

**Monika KOZŁOWSKA, Wiesław MUŁENKO
Marcin ANUSIEWICZ, Magda MAMCZARZ**

An Annotated Catalogue of the Fungal Biota of the Roztocze Upland

Richness, Diversity and Distribution



MARIA CURIE-SKŁODOWSKA UNIVERSITY PRESS
POLISH BOTANICAL SOCIETY

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Contents

Preface	7
Introduction	9
The Roztocze upland: study area	13
Local conditions of fungal occurrence	15
Abiotic factors	15
Biotic factors	16
Outline of the research history	19
Results	23
Richness and diversity of fungi	23
Substrates inhabited by fungi	27
Habitats occupied by fungi	29
Conclusions	31
Introduction to the list of species	33
Classification of fungi and fungus-like organisms	37
List of species	43
Fungi	43
Ascomycota	43
Basidiomycota	174
Blastocladiomycota	393
Chytridiomycota	394
Glomeromycota	394
Chromista	397
Oomycota	397
Protozoa	410
Amoebozoa	410
References	423
Index of hosts and substrates	439

Preface

The present catalogue is the third volume in the series devoted to fungi in Roztocze upland. It concerns only the Polish part of this region, while the first two books presented lists of fungal taxa from the entire Roztocze region, namely the Polish and Ukrainian part (Kozłowska *et al.* 2015ab). The first volume covered 863 species of macromycetes of two classes (Agaricomycetes and Tremellomycetes) representing the phylum Basidiomycota (Kozłowska *et al.* 2015a). The second volume presented the large Ascomycetes and organisms that are conventionally included in the micromycetes (757 species) and belong to diverse taxonomic units, both within the true fungi, and the fungus-like organisms (chromistan and protozoan fungal analogues) (Kozłowska *et al.* 2015b). Both lists have a similar arrangement and supplement each other in terms of content. The first volume presents the comprehensive characteristics of Roztocze, including data on the region: its location, most important features of geological structure, hydrography, climate, as well as the range of its protection and characteristics of plant cover. In both of the above-mentioned volumes, the most important information about fungi, such as lists of species, synonyms, hosts and substrates, as well as the cited literature were given. A total of 1620 species of fungi have been confirmed from both parts of Roztocze (Polish and Ukrainian). These two publications are the result of the cooperation of mycologists from three scientific units – Maria Curie-Skłodowska University in Lublin (Poland), Institute of Botany, National Academy of Sciences of Ukraine (Kiev), and National Forestry and Wood-Technology University of Ukraine (Lviv).

In the present volume, referring exclusively to the Polish part of Roztocze, the information about fungi has been significantly expanded and refined compared to the two previous lists. The book provides data on all groups of fungi, both the macromycetes and micromycetes. All of the previously known locations of fungi species within Roztocze National Park, in currently existing nature reserves and beyond them are presented. Every species is annotated with information about its substrate (host) and type of habitat in which it was found, including the names of plant communities. The original source data are separated from publications that only cited the original reports. Also, all recorded errors or ambiguities have been clarified and are included in the ‘notes’ paragraphs.

However, as it is an independent monographic study, in the introductory chapters that characterize the region, the information published in the two above-mentioned volumes has been used in part (Kozłowska *et al.* 2015ab). The chapters concerning abiotic factors that determine the occurrence of fungi have been slightly shortened, while the chapters on biotic factors have been detailed and extended, particularly with respect to vascular plants and their communities. The history of research into fungi in the Polish part of Roztocze has been expanded, and a new chapter concerning the Roztocze National Park has been added.

The present volume comprising a comprehensive list of fungi taxa, along with information about their hosts and distribution, is not only useful for mycologists, but also for foresters, phytopathologists, naturalists and nature conservation services as well as amateur mycologists.

Introduction

Despite its relatively small area, the Roztocze upland is an interesting and important tectonic uplift in Central Europe, located on the boundary of two large European structural units – the Precambrian Eastern European Platform and the Palaeozoic formations of Western Europe. It is a conspicuous and at the same time, the longest tectonic fault in Central Europe, called the Teisseyre-Tornquist Zone. It has the form of a distinctive edge zone, which played an important role in the formation of the European continent. Roztocze is the most elevated part of this fault with many specific features of geological structure, terrain sculpture and hydrology (Żelichowski 1972; Pożaryski 1974; Brzezińska-Wójcik & Harasimiuk 2013). The main elements of the geological structure are carbonate and silica-carbonate rocks susceptible to weathering, erosive and soil-forming processes. Roztocze is also an area, which is significantly affected by the two main climate zones of Europe – the damp and warm Atlantic zone from the west, and the dry and cooler continental zone from the east (Kozłowska *et al.* 2015ab).

Roztocze is a transboundary area of Poland and Ukraine (Fig. 1). It is a clearly uplifted range of hills which separates the Wyżyna Lubelska upland (Poland) and the Wyżyna Podolska (Podilska Vysochyna) upland (Ukraine) abutting Roztocze from north and south, respectively.

The above-mentioned geological factors significantly impact the geobotanical diversity of the region, and hence the broad diversity and species richness of living organisms. The substantial natural values of Roztocze were the reason for the establishment of two national parks: the Roztocze National Park (1974, in Poland) and the Yavoriv National Park (1998, in Ukraine) (Fig. 2). In addition, 5 landscape parks, 3 landscape protected areas and 13 nature reserves were designated in this area, whereas within the ‘Natura 2000’ network a series of habitats were established, being of priority significance for the European Union (Grabowski *et al.* 2015c; Stachyra 2018 – <http://roztoczanskipn.pl/pl/w-skrocie/natura-2000>). Recently, efforts have been initiated to extend the Ukrainian biosphere reserve Roztochia into a transboundary one that would also cover Polish part of the Roztocze region (Chmielewski 2013; Grabowski *et al.* 2013; Kałamucka & Grabowski 2013; Lorens & Stachyra 2013).

For many years the area of Roztocze has been the subject of specialized environmental studies, including botanical, zoological, ecological, geological, hydrological, as well as mycological ones. The research results were published in many original research papers, analytic and synthetic monographs and papers popularizing science, as well as being presented during scientific conferences. Some of the studies deserve special attention. At the end of the twentieth century, on the occasion of the 20th anniversary of the establishment of the Roztocze National Park, the first synthetic study of this region was published in Poland (Wilgat 1994), while the 40th anniversary of the establishment of the park was the reason for the preparation of another, supplemented, updated and significantly extended monograph (Reszel & Grądział 2013). It summarized the current state of knowledge in the field of natural as well as social and cultural sciences. Two years later, as part of the Polish-Ukrainian cooperation, a project dedicated to

the recognition of nature in the entire Roztocze region (both Polish and Ukrainian) was carried out. It also resulted in the publication of a comprehensive monograph (Grabowski *et al.* 2015a).



Fig. 1. The Roztocze region – location and topography [adapted from Buraczyński *et al.* (2013), Fig. 1.1.]

From a mycological point of view, the vegetation of the Roztocze region is particularly valuable. The significant coverage of the area by forest communities, the great richness of plants (approx. 1300 species), the presence of numerous protected and endangered species, and the presence of plants representing various geographical elements make this area particularly noteworthy. These features have a direct impact on the occurrence of species-rich and diverse fungal biota. The authors of the present study contributed to all of the above-mentioned monographic studies (Chmiel *et al.* 1994; Mułenko *et al.* 2013; Mułenko *et al.* 2015), as well as preparing

two books comprising critical lists of fungi from the Polish and Ukrainian parts of Roztocze (Kozłowska *et al.* 2015ab).

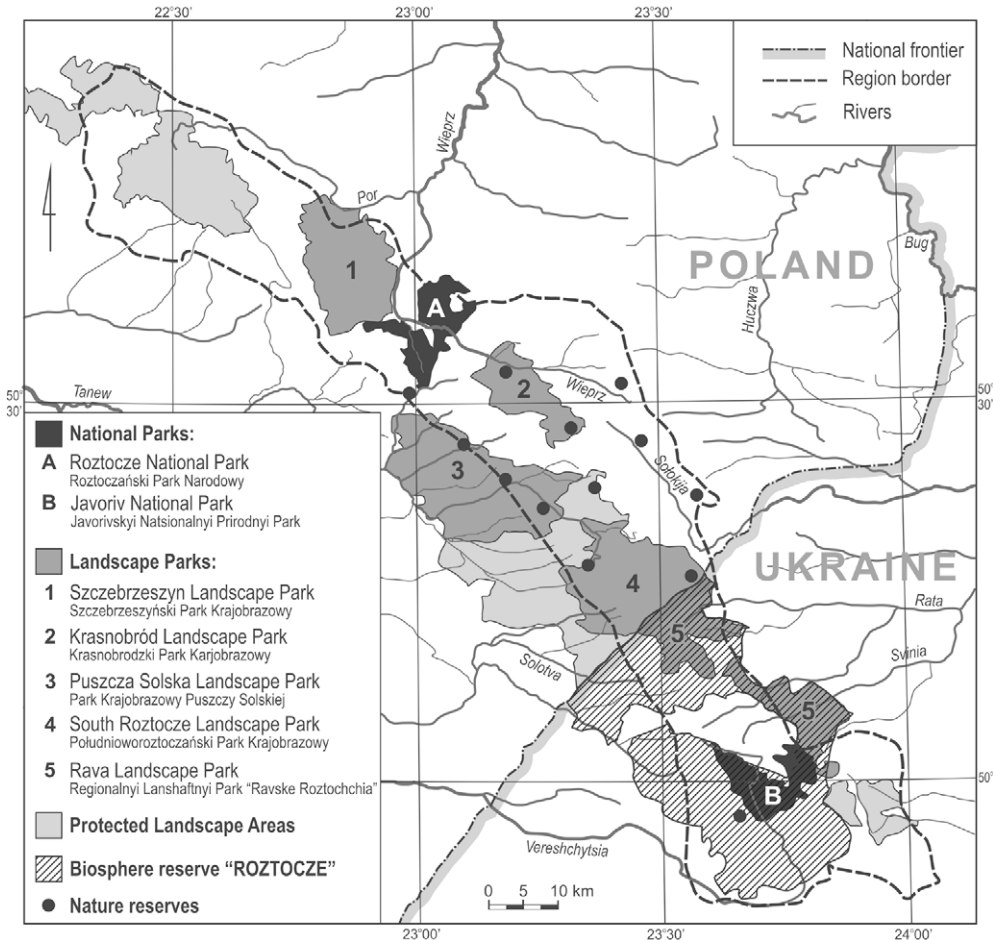


Fig. 2. Protection system of the Roztocze region [adapted from Grabowski *et al.* (2013), Fig. 1.3.]

A survey of the literature collected during the preparation of the above-mentioned monographs, and a partial revision of herbarium vouchers made possible the preparation of a comprehensive, critical study of the fungi of this region. The study includes data published over a 140-year period, i.e. from the beginning of the research (Berdau 1876) until 2016. The data included in research papers, taxonomic monographs, as well as in popular science works and in conference materials were taken into account. The unpublished herbarial data were also used in large part. In addition, a certain number of inaccuracies and erroneous information were corrected. They resulted from i) incorrect identification of fungi and plants, ii) the

erroneous ascription of several locations of fungal occurrence to the Roztocze area, as well as iii) the improper citation of source data and literature.

The list included fungal species representing all of the taxonomic and ecological groups studied so far in the region. Among them are plant, animal and fungal parasites, as well as soil-inhabiting fungi that include mycorrhiza-forming species, as well as numerous saprobes. They were classified within three kingdoms: the true fungi (kingdom Fungi) and two groups of fungus-like organisms – the chromistan fungal analogues (kingdom Chromista) and protozoan fungal analogues (kingdom Protozoa). True fungi belong to five phyla: Ascomycota (subphyla: Pezizomycotina and Taphrinomycotina), Basidiomycota (subphyla: Agaricomycotina, Pucciniomycotina, Ustilaginomycotina), Blastocladiomycota, Chytridiomycota and Glomeromycota. The fungus-like organisms represent phylum Oomycota (Chromista) and subphylum Mycetozoa of the phylum Amoebozoa (Protozoa) (classification follows Kirk *et al.* 2008).

The number of fungi species listed in the catalogue is 1515, which exceeds the number of plant species known from this region (approx. 1300). This demonstrates a fairly good degree of recognition of fungal richness although, in fact, the number of fungi should certainly be much higher. The current list may be considered to be the basis of the knowledge of these organisms in the region, and at the same time as a starting point for planning further scientific research.

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The Roztocze upland: study area

Location, boundaries and surface. Roztocze occupies an exceptional position in the geographical units of south-eastern Poland and western Ukraine. As mentioned earlier, this is a range of elevations, which are bordered by the Wyzyna Lubelska upland (PL) to the north, the flat Kotlina Sandomierska basin (PL) to the south-west and the Volhynian-Podolian upland (Volynsko-Podilska Vysochyna, UA) to the south and south-east. The borderline between the upland Roztocze and the flat Kotlina Sandomierska basin is particularly conspicuous while the other bordelines are less pronounced.

The territory of Roztocze begins at the village of Polichna (located near the town of Kraśnik, in Poland), and then arches south-east to the city of Lviv in Ukraine. The length of the entire range is 180 km, while its width ranges from 15 to 28 km. Within the borders of Poland, Roztocze has a length of about 110 km. In the same direction (from west to east), the height of the terrain increases from 290 m a.s.l. in the vicinity of Kraśnik to around 400 m in the vicinity of Lviv. The borders of Roztocze are defined by the following coordinates: N49°50'32" – 50°55'31" and E22°16'50" – 24°06'18". The total area of Roztocze is approx. 3341 km², with a much larger part of this region located within the territory of Poland (approx. 2391 km², 72%). The Ukrainian part covers an area of 950 km² (Buraczyński & Zinko 2015; Kozłowska *et al.* 2015ab).

The internal division. The diverse geology and landforms divide Roztocze into smaller units (Fig. 1). However, the division is not unambiguous, and over the last 50 years several proposals have been presented. The first division, proposed by Chałubińska & Wilgat (1954), comprised three units: Western, Central and Southern Roztocze (the last one is the region bordering with Ukraine). That regionalization has not been widely accepted. However, 50 years later, in the physico-geographical division of Poland introduced by Kondracki (2002), an almost identical division into Western, Central and Eastern (=Southern) Roztocze was also presented. Western Roztocze – begins east of the town of Kraśnik and ends on the Wieprz river valley between the towns of Szczepieszyn and Zwierzyniec. It covers an area of 560 km² with an altitude ranging from 300 to 343 m a.s.l. The characteristic feature of this mesoregion is the loess cover, intersected by a dense network of ravines. Central Roztocze – is a continuation of the previous region and ends with a decreased area between river valleys near the towns of Bełzec and Narol. It covers an area of about 1250 km² elevated up to 387 m a.s.l. In contrast to Western Roztocze, there is no loess cover, and Miocene sandstones and lithothamnium limestone constitute the top layer. Eastern (Southern) Roztocze – begins in Poland and terminates near Lviv city, where the highest elevations occur, reaching a height of 413-414 m a.s.l. Limestone, which often occurs in the form of rock outcrops, constitutes a large part of the cover in this region (Kondracki 2002).

In the present study, the division of Roztocze proposed recently by Buraczyński and Zinko (2015) was followed. These authors adopted the morphological-tectonic criterion as the principal one, and introduced five small regions, named after towns or cities which included: Goraj Roztocze, Szczepieszyn Roztocze, Tomaszów Roztocze, Rawa Roztocze and Lviv Roztocze. The

first three regions are entirely within the Polish part of the region. Rawa Roztocze is a trans-boundary area, and Lviv Roztocze is a part of Ukraine (Fig. 1). Goraj Roztocze and Szczepieszyn Roztocze corresponds to Western Roztocze, while Tomaszów Roztocze corresponds to Central Roztocze, with Rawa Roztocze and Lviv Roztocze corresponding to Eastern (Southern) Roztocze (Kozłowska *et al.* 2015ab).

Roztocze National Park (Roztoczański Park Narodowy). The national park in the Roztocze area was created in Poland in 1974 to conserve the most valuable natural areas of Central Roztocze. The overall area of the Park is 8483 ha, with as much as 95% of the area (8102 ha) covered by forests. The Upper Cretaceous rocks predominate, while in the edge zone tertiary rock formations occur. In the river valleys quaternary sands are mainly present. The highest altitude in the park reaches 350 m a.s.l. (Kałamucka & Grabowski 2013; Grabowski *et al.* 2015b).

Particularly valuable regions of the Roztocze National Park have been subjected to strict protection. The need to protect some areas has been underlined for a long time. The first nature reserve, Bukowa Góra, was already established in 1934 to protect valuable fir and fir-beech forests. The next reserves were created in the 1960s. Before the establishment of the national park there were 15 nature reserves (forest, landscape-forest and floristic) within Central Roztocze. Nine of them were included in the park: Bukowa Góra, Obrocz, Nart-Czerkies, Maziarki, Jarugi, Bór Sosnowy na Stokach, Stoki nad Wieprzem, Zwierzyniec, Krzywionka and Prof. Zygmunt Czubiński's Reserve, while in 1979 the tenth reserve (Kamienna Góra) was also incorporated.

Currently, there are five strictly protected areas in the area of the Roztocze National Park: Bukowa Góra, Nart and Czerkies; where natural patches of Carpathian beech forest are protected, Jarugi; where monumental linden trees and firs as well as Carpathian beech forest are protected, Międzyrzeki; where swamp conifer forest, continental raised peat bog and mixed oak-pine forest are protected. The areas of strict protection occupy 806 ha which is equivalent to 9.5% of the total national park area.

In the vicinity of the National Park there are four nature reserves. Three of them are landscape and forest reserves: Nad Tanwią (includes portions of the valleys of two rivers – Jeleń and Tanew), Szum (forest reserve with numerous protected species), Czartowe Pole (includes well-preserved riparian communities, with many protected plant species). The fourth is the geological reserve Piekiełko, where numerous erratic boulders transported by the glacier are protected (Kałamucka & Grabowski 2013; Grabowski *et al.* 2015b).

Local conditions of fungal occurrence

Abiotic factors

The Roztocze region, highly diverse in geological, edaphic, hydrological and geobotanical terms, provides a rich habitat and substrate base for the development of various groups of organisms, including fungi.

Climate. The climate of Roztocze is of a transitional character, between the Atlantic and the continental climate. In comparison with neighbouring regions, Roztocze has a slightly colder climate, due to the greater impact of cold air masses arriving from the east. The vegetative season lasts an average of 207 days, the average annual temperature varies from 7.4°C to 7.6°C, and the average annual rainfall is about 660 mm (Kaszewski *et al.* 2002).

Geology. As mentioned above, Roztocze is located on the border of the Pre-Cambrian Eastern European Platform and the Palaeozoic orogenic structures of Western Europe (Teisseyre-Tornquist Zone). This area is characterized by the specific features of its geological structure, relief and hydrology (Żelichowski 1972; Pożaryski 1974).

The basic geological unit is the Mesozoic Jurassic rock covered by the Upper Cretaceous rock complex. The area is characterized by carbonate and carbonate-silica rocks (limestones, marls, bedrocks, sandy spongiolite) of different resistance to erosive processes. With the exception of the eastern part of the region, these rocks are covered by formations of glacial origin, deriving mainly from the last glacial period (aeolian loess and sands). Loess forms a compact cover in the western part of Roztocze, aeolian sands predominate in the central part, while limestone dominates in the eastern part, in numerous sites reaching the soil surface or occurring in the form of outcrops and rock inliers. Loess also occurs in the form of small patches in the south-eastern outskirts of the region near Lviv, while sandy deposits occur mainly in valleys and at the bottom of the slopes (Buraczyński 1995, 2002ab; Kondracki 2002; Brzezińska-Wójcik & Harasimiuk 2013).

Hydrology. The Roztocze range is a watershed which separates the water systems of two seas (Buraczyński & Zinko 2015). The Baltic Sea is fed with the water flow from the drainage basins of three large rivers located in Poland – the Wieprz, Bug and San. The water flow of the vast Dniester water catchment, located in the eastern Ukrainian part of Roztocze, discharges into the Black Sea. The water network of Roztocze is characterized by uneven density. A large number of watercourses occur only in the central part of Roztocze where seven rivers flow: Wieprz, Tanew and Sołokija and their smaller tributaries – Jeleń, Sopot, Szum and Tylicz. The rest of the region has a sparse river network: two rivers (Gorajec and Por) are located in the western and two other (Rata and Wereszczyca) in the eastern part of Roztocze. However, springs are abundant (approx. 450) in the edge zone; they are fed mainly from Tertiary and Cretaceous aquifers (Michalczyk & Kowalczyk 2002).

Soils. The features of the geological and hydrological structure determine the varied soil cover. Autogenous soils dominate (fawn, brown, podzolic) created on loess, sands and sandy spongolites. These soils are supplemented by lithogenic soils (rendzinas) that develop on rocks and hydrogenic soils (mud-peat and gley) which occur in river valleys and depressions between dunes (Turski 2002).

Biotic factors

Living organisms and later their dead remains are the main factor shaping the richness and diversity of fungi species. They are the real or potential hosts of parasitic and mycorrhizal fungi or a substrate for saprotrophic species. The biota of the living organisms of Roztocze is rich. By 2013, the occurrence of approx. 5832 species of plants, fungi and animals was documented (Reszel & Grądziel 2013). Hitherto mycological studies have focused on the exploration of the plant-inhabiting species, and much less frequently on fungi associated with other groups of organisms. Therefore, in the latter part of the text, the presented mycological data refer primarily to the flora of Roztocze.

Plant cover. The vegetation of Roztocze has been well studied and mapped out in detail (e.g. Izdebski *et al.* 1992; Izdebski 2002). Approx. 1300 species is the estimated number of plant species found in the entire Roztocze region (Lorens & Soroka 2015). The precise data refers to flora of the Roztocze National Park, where 1140 species from various taxonomic groups were recorded (Lorens *et al.* 2013).

The number of vascular plants (including ferns) is 900 species, including 58 species under strict protection, 13 species under partial protection, 60 species referred to as rare, and 20 species considered to be endangered in Poland. Plant species belong to 7 groups representing various geographical elements. The majority (approx. 150 species) represent the Central European and Euro-Siberian element. Although Roztocze is a lowland area, there are also commonly occurring plant species characteristic of the Carpathian montane forests, representing the mountain element (30 species). Among them, there are four mountain tree species: fir (*Abies alba*), beech (*Fagus sylvatica*), sycamore (*Acer pseudoplatanus*) and mountain elm (*Ulmus glabra*). Also, the occurrence of 20 species representing the boreal element and several species representing the Pontic, South Siberian and Mediterranean elements have been demonstrated. Moreover, 150 species of foreign origin, naturalized in this area have been recorded. Some of them are classified as invasive (e.g. *Amelanchier spicata*, *Padus serotina*, *Robinia pseudoacacia*, *Impatiens parviflora*, *Solidago gigantea*, *S. canadensis*) (Lorens *et al.* 2013).

The group of bryophytes is also numerous. 239 species of mosses, liverworts and hornworts have been identified within the Roztocze National Park (Lorens *et al.* 2013), while within the entire Roztocze region there are 355 species (Lorens & Soroka 2015; Zubel *et al.* 2015ab). The list of bryophytes also includes numerous protected or endangered species (73) as well as ones classified as mountain species (59).

The characteristic feature of Roztocze is its extensive forest cover. In some regions, e.g. in Tomaszów (Central) Roztocze it reaches 50% of the area, and many sections of forests within

this area are of natural character (Czarnecka & Janiec 2002). They are characterized by the varied age structure of the stand, the presence of old trees, and lying dead wood fragments in various stages of decay, as well as numerous gaps in forest stands.

In the Roztocze forests the Scots pine (*Pinus sylvestris*) plays the crucial role, along with spruce (*Picea abies*) and fir (*Abies alba*), in creating pine and mixed pine forests. In deciduous forests black alder (*Alnus glutinosa*), silver birch (*Betula pendula*), pedunculate oak (*Quercus robur*) and beech (*Fagus sylvatica*) predominate, while hornbeam (*Carpinus betulus*), ash (*Fraxinus excelsior*), poplars (*Populus* spp.) and linden (*Tilia* spp.) play a minor role. In addition, in the Roztocze area, several important forest-forming tree species reach their terminal range. The fir, beech, yew (*Taxus baccata*) and European larch (*Larix decidua*) have their eastern border of growth here. Also, the border of the gregarious growth of sycamore, broadleaf linden (*Tilia platyphyllos*) and common elm (*Ulmus campestris*) occurs in this area (Czarnecka & Janiec 2002).

In the forests of Roztocze, 18 forest communities have been distinguished, among which four groups deserve special attention: the Carpathian beech forest characteristic of this area [*Dentario glandulosae-Fagetum* (= *Fagetum carpaticum*)], endemic submontane mesotrophic fir forest (*Abietetum polonicum*), floristically rich subcontinental lime-oak-hornbeam forests (*Tilio Carpinetum*) and suboceanic Middle-European pine forest (*Lecobryo-Pinetum*), frequent forming in sandy areas (Izdebski 2002). Also, mixed forests are quite common, including continental mesotrophic oak-pine mixed forest (*Pino-Quercetum*) and moist lowland subboreal oak-spruce forests (*Quercu-Piceetum*) (both from *Vaccinio-Piceetea* class), riparian forests (*Quercu-Fagetea*), osiers and alder stands (*Alnetea glutinosae*), as well as continental raised bogs (*Oxycocco-Sphagnetum*).

In the area of Roztocze, the pattern of zonation of the occurrence of forest communities is striking. In the lowest locations, in river and stream valleys, riparian and alder forests occur. A bit higher, at the foot of the slopes, a subboreal moist mixed forest spreads in the form of narrow belts. On the steep northern slopes fir forests predominate, and in the upper parts they are replaced by Carpathian beech forest. In the lower parts of the southern flat slopes, however, there usually occurs a continental pine-oak mixed forest (instead of the fir forest), and in the upper parts – the subcontinental lime-oak-hornbeam forest. A suboceanic pine forest dominates the sandy plains and dunes, while in the depressions between the dunes, around raised bogs and poor fens, swamp conifer forests are present (Izdebski 2002). Some particularly interesting phytocoenoses associated with river gorges and springs were the subject of independent and extensive ecological and floristic studies (Czarnecka & Janiec 2002).

Among the non-forest communities, peat bog vegetation deserves attention. These are fens abutting with reed bed phytocoenoses (*Phragmitetea* class), as well as transitional peat bogs which gradually overgrow lakes (*Scheuchzerio-Caricetea fuscae*). Meadows and pastures (*Molinio-Arrhenatheretea*), communities of aquatic plants (*Lemnetea*, *Charetea*, *Potamogetonetea* and *Utricularietea*), as well as ruderal and synanthropic vegetation (*Secalinetea* and *Chenopodietea*) occur in the area. Also, thermophilic rock grasslands with calciphilic and xerothermic vegetation (*Festuco-Brometea*) are quite common (Lorens *et al.* 2015).

Fungi. Fungi constitute a large group in the Roztocze area. In the monographic study of the Roztocze National Park approx. 826 species were reported (Mułenko *et al.* 2013), including 761 species of true fungi, 50 species of slime moulds and 15 fungus-like species of Oomycota.

In the entire Roztocze area the group of fungi recorded is much more numerous and contains 1515 species (listed in this catalogue). Among them, 1408 species are true fungi, 58 species are chromistan fungal analogues, while 49 species are slime moulds. However, the current list does not include lichenized fungi (lichens, 230 species) (Wójciak & Radliński 2013). In particular, data on fungi occurring on lichens (lichenicolous fungi) are completely lacking.

Animals. In the Roztocze National Park animals constitute the most numerous group of organisms. In total, the occurrence of 3636 species has been confirmed, including 336 species of vertebrates and 3300 species of invertebrates. Many of them are mountain, boreal or boreal-mountain species, Southern European thermophilic species, as well as species recognized as relics of primeval forests. Also, 10 invasive species were recorded in the region (Stachyra *et al.* 2013). The native horse breed (the so-called Konik polski) deserves special attention, as it is an authentic descendant of the Tarpan (Kaproń *et al.* 2013). The species is bred in the area of the Roztocze National Park.

Outline of the research history

The study of fungi began at the end of the 19th century, and the history of this research is over 140 years old now. The first information about fungi from this area was provided by Feliks Berdau (1876). Systematic research in this region started twenty years later with the activity of Błoński (1896) and Gordziałowski (1899) who collected fungi from various taxonomic groups. Błoński (l.c.) listed 86 species, including several parasitic microfungi. Then, Chełchowski (1898) mentioned the same species in his work but supplemented the list with data on the substrate and the habitat. Gordziałowski (1899) listed 18 species of wood-inhabiting fungi, mainly representatives of Hymenochaetales and Polyporales.

Over the next nearly 30 years, mycological studies were not conducted in this area. Only a few publications appeared in the 1930s. Three of them involved fungi of the order Laboulbeniales (5 species) which are insect parasites (Siemaszko & Siemaszko 1927, 1931, 1933). Five species parasitizing ornamental and cultivated plants were listed by Garbowski (1935).

New data were published only after the Second World War. In the 1960s, one species (*Heterobasidion annosum*) was mentioned by Sierpinski (1963), another one (*Ganoderma carnosum*) by Wojewoda (1964) and the next two species (*Perenniporia medulla-panis* and *Schizopora paradoxa*) by Domański (1965, 1969).

The year 1965 is noteworthy as systematic research was launched by the mycological team supervised by Bogusław Sałata (Maria Curie-Skłodowska University in Lublin). The study covered various taxonomic groups of fungi, mainly Ascomycota and Basidiomycota, but also fungus-like organisms (chromistan and protozoan fungal analogues). The division into the studies of macrofungi (macromycetes) and microfungi (micromycetes) is clearly visible (Kozłowska *et al.* 2015ab). The results of the research were published successively over many years.

First, the results of the research on **macromycetes** (mainly Basidiomycota representatives) were published. Initially, this took the form of summarized information about species rarely found in Poland (Sałata 1967, 1969a, 1971). Thereafter, the first comprehensive ecological study concerning the fungi in beech and fir forests of Central Roztocze (Sałata 1972) was presented. At that time, it was one of the first studies presenting the results of research conducted on permanent observation plots. In addition to a comprehensive list of the collected fungi (378 species), detailed information about the involvement of fungi in forest communities was given, along with an abundance of fruitbodies, the dynamics of their occurrence during the growing season, and the influence of some environmental factors on the distribution and intensity of fruitbody formation. In the following decades, further works of the Sałata's team were published (Sałata & Ostas 1975; Flisińska 1985, 1995; Flisińska & Sałata 1991, 1997, 1998; Sałata 1990, 1991). To add to the list of fungi, Roztocze also contributed a number of interesting species collected during the mycological symposium organized in Lublin in 1986 (Sałata 1988).

Information on the fungi of Roztocze was also presented by many other authors, mainly in taxonomic and physiographic papers. These usually referred to a single or a few species of fungi

(Skirgiełło 1967, 1970, 1972, 1976, 1984, 2000; Wojewoda 1979; Wojewoda & Komorowska 1997; Ławrynowicz 1989). Two publications by Domański (1997, 1999a) are noteworthy, as he listed 88, and 135 species of fungi, respectively. The lists included many species which were new to this region (Kozłowska *et al.* 2015a).

Information about many species of macromycetes occurring in Roztocze may also be found in Polish taxonomic monographs published in the series *Flora of Poland. Mycota* (Domański 1965, 1991; Domański *et al.* 1967; Wojewoda 1977; Nespiak 1981, 1990; Rudnicka-Jezińska 1991; Gumińska 1997; Skirgiełło 1998), as well as in the pan-European taxonomic monograph of *Marasmius*, *Collybia* and related genera (Antonín & Noordeloos 1993, 1997). Detailed information about the localities of ten fungi species was also included in *The atlas of the distribution of fungi in Poland* (Wojewoda 2000ab; Piątek 2002; Wojewoda *et al.* 2002; Ronikier 2005ab).

In the first 15 years of the 21st century, no detailed studies of macromycetes were undertaken in Roztocze, although many reports concerning single species were published (Czarnecka & Janiec 2002; Kujawa *et al.* 2004; Kukielka & Rozwałka 2004; Rozwałka 2004; Rozwałka & Stachowicz 2004; Komorowska 2006; Kujawa & Gierczyk 2010, 2011, 2013; Szczepkowski *et al.* 2013b; Białobrzeska 2013; Białobrzeska & Szczepkowski 2014). Important information about the locations of fungal occurrences in the Roztocze National Park were also cited in many taxonomic and chorological papers (Friedrich 1977; Gumińska 1981; Szczepka 1983; Piątek 1998; Wojewoda *et al.* 1999; Szczepka & Sokół 2000; Ronikier 2007; Szczepkowski *et al.* 2008, 2013a; Halama 2009; Szczepkowski & Byk 2010; Szczepkowski & Chachuła 2010; Kujawa *et al.* 2012ab; Kudławiec 2014).

In the 1960s, extensive studies of ascomycetous fungi (Ascomycota) were also undertaken. In particular, they concerned the so-called cup fungi (discomycetous fungi), which in earlier fungal systems were classified in a class named Discomycetes. Because of their size, the species of this group are classified as macromycetes. The results of the study were the basis of the doctoral dissertation that Maria Chmiel (Maria Curie-Skłodowska University) defended in 1978. Apart from the list of 165 species of cup fungi it presented analyses of the role of these fungi in the plant communities of Roztocze, mainly in forest ones. The collected materials were deposited in a herbarium in Maria Curie-Skłodowska University in Lublin (LBL). The results of Chmiel's and Sałata's studies were published successively, beginning with reports on species new or rare in Poland, as well as those which are endangered, collected on specific substrates or in specific habitats, e.g. on the dung of herbivores and burnt ground (Sałata 1967, 1969a, 1972, 1990; Bednarczyk 1974; Sałata & Bednarczyk 1977; Chmiel 1977, 1981, 1982, 1990; Chmiel & Sałata 1986). Some data were also used in synthetic studies concerning the distribution of fungi in Poland (Skirgiełło 1976, 1984). Moreover, about 20 species were found during the aforementioned mycological symposium (Sałata 1988) and a few species were recorded by Domański (1997, 1999a) and Czarnecka (2006).

Also, in the late 1960s, the research on **micromycetes** in the Roztocze area began. It referred mainly to the parasites of vascular plants. Although the published papers usually contributed simple lists of fungi, they also contained information about many species new to Poland, rare or collected on new host plants (Sałata & Romaszewska-Sałata 1968, 1969, 1970; Sałata 1969b, 1974b, 1991; Romaszewska-Sałata 1973, 1974, 1975, 1977, 1981, 1982; Romaszewska-Sałata &

Sałata 1978; Romaszewska-Sałata *et al.* 1986, 1997). In total, over 200 species of fungi *sensu lato* from the Roztocze area were reported, mainly from Erysiphales, Pucciniales, Ustilaginales and Peronosporales orders. Information about the micromycetes from the Roztocze area has also been published as vouchers in two volumes of *Mycotheca Polonica* (Kochman 1959; Kochman & Sałata 1980), as well as in two papers concerning the distribution of powdery mildews (Erysiphales) in Poland (Sałata & Majewski 1976, 1978). Vouchers collected in Roztocze were also included in biometric studies of the *Peronospora* species (*P. arborescens*, in particular) infecting *Papaver* species (Wrońska 1980).

Many species of the microfungi collected in the Roztocze area were included in the some volumes of the aforementioned monographic series *Flora of Poland. Mycota*, which were published in the 1970s and 1980s: Peronosporales (Kochman & Majewski 1970), Ustilaginales (Kochman & Majewski 1973), Uredinales (Majewski 1977, 1979), Erysiphales (Sałata 1985) and Hyphomycetales (Borowska 1986). In the last three decades, a large volume of information about the Roztocze fungi was presented in seven taxonomic monographs concerning Laboulbeniales (Majewski 1994, 2008), *Ascochyta* (Sałata 2002), *Ramularia* (Wołczańska 2005), Glomeromycota (Błaszowski 2012), *Septoria* (Wołczańska 2013), cercosporoid fungi (Świdarska-Burek 2015) and *Asteromella* (Ruszkiewicz-Michalska 2016). Moreover, data concerning several species found in this region were provided by Chlebicki (1988), Mułenko (1993ab), Sałata *et al.* (1994), Chlebicki & Skirgiełło (1995), Ruszkiewicz-Michalska & Mułenko (2003), Świdarska *et al.* (2005), Piątek *et al.* (2005), Wołczańska & Rozwałka (2005), Chlebicki & Chmiel (2006) and Wołczańska (2008).

Slime moulds (protozoan fungal analogues) have also been studied in the Roztocze area, although much less attention has been paid to them. The first data on two species was published by Błoński (1896). In the 1970s, the results of the research on slime moulds in the Lublin region were published by Wrońska (1974, 1979) who reported 45 species from Roztocze. The last data come from a paper by Drozdowicz (1988) who listed 17 species collected in the Nart reserve.

Much of the data concerning fungi s.l. from all of the aforementioned groups have also been included in the synthetic and analytical studies that have appeared in recent years, including two devoted to the biota of the Roztocze National Park (Chmiel *et al.* 1994; Mułenko *et al.* 2013), four books concerning fungi in the Roztocze area (Chmiel 1990; Kozłowska *et al.* 2015ab; Mułenko *et al.* 2015), and two monographs covering the mycobiota of the entire Lublin macroregion (Flisińska 2004; Sałata 2008). Also, the national lists of macromycetous basidio- and ascomycetes (Wojewoda 2003 and Chmiel 2006, respectively), as well as the checklist of micromycetes (Mułenko *et al.* 2008) cite the data from Roztocze.

The current study also includes the unpublished herbarium vouchers (herbarium LBL), as well as the data based on observations made in recent years by employees of the Roztocze National Park and the authors.

Results

Richness and diversity of fungi

Based on data from the literature, herbarial records and personal observations, 1515 species of fungi are confirmed to occur in the Roztocze area. They have been classified into 7 phyla, 20 classes and 59 orders. The most numerous are true fungi (kingdom Fungi), with 1408 species (93% of all taxa). The group of fungus-like organisms contains 107 species (7% of all taxa), of which 58 species (4%) are Oomycota (kingdom Chromista) while 49 species (3%) are slime moulds (kingdom Protozoa).

Kingdom Fungi. The fungi were classified into five phyla (Table 1). Basidiomycota (890 species, 63%) is dominant over Ascomycota (501 species, 36%). Other taxa are far less numerous (1% of all species): Glomeromycota (14 species), Chytridiomycota (2), Blastocladiomycota (1).

Phylum Ascomycota. It is a group of fungi which are substantially diversified, both in terms of morphology, taxonomy and function: obligate plant parasites, insect parasites, saprotrophs, mycorrhizal symbionts and hypogeous fungi. An informal group of anamorphic fungi which has been recognized in previous classifications is currently incorporated into appropriate ascomycetous taxa.

The greatest number of ascomycetous fungi are represented by Pezizomycotina (491 species, 98% of all ascomycetes). Among them, the most numerous are: Helotiales (122 species), and Pezizales (108). The most frequently sampled species were from the genus *Peziza*. The other species often found belong to *Aleuria aurantia*, *Sarcoscypha coccinea*, *Geopyxis carbonaria*, *Gyromitra esculenta*, *Morchella esculenta* and *Helvella lacunosa*. Another quite numerous taxon is Mycosphaerellales (68 species) that includes several genera forming mainly anamorphs, e.g. *Cercospora*, *Passalora*, *Phacellium*, *Ramularia*, *Septoria* and *Zasmidium*. Powdery mildews (Erysiphales, 66 species), that are biotrophic parasites of vascular plants (including arable crops), were also often collected. The frequently observed species include: *Erysiphe alphitoides* (on 2 species of *Quercus*), *Blumeria graminis* (on 8 Poaceae species), *Erysiphe heraclei* (on 7 Apiaceae species), *Erysiphe trifoliorum* (on 13 Fabaceae species), *Neoërysiphe galeopsidis* (on 12 Lamiaceae species) and *Podosphaera aphanis* (on 9 Rosaceae species). Two Erysiphales species are referred to as invasive fungi that spread throughout Europe at the end of the 20th century: *Erysiphe vanbruntiana* (on *Sambucus racemosa*) and *E. palczewskii* (on *Caragana arborescens*) (Mułenko *et al.* 2010).

The remaining groups of ascomycetes are less numerous (from 1 to 19 species; Tab. 1), although some of them occur commonly, e.g. *Claviceps purpurea* (on 6 species of Poaceae) and *Rhytisma acerinum* (on *Acer platanoides* and *A. pseudoplatanus*). 13 species – of biotrophic parasites from Laboulbeniales were collected from 20 species of beetles.

Table 1. Number of species in particular taxa.

Phylum	Subphylum	Order	Number of species
Fungi			
Ascomycota (501)	Pezizomycotina (491)	Botryosphaerales	8
		Capnodiales	2
		Chaetosphaerales	2
		Coniochaetales	2
		Diaporthales	3
		Erysiphales	66
		Eurotiales	3
		Glomerellales	1
		Helotiales	122
		Hypocreales	10
		Laboulbeniales	13
		Leotiales	1
		Microascales	2
		Mycosphaerellales	68
		Myriangiales	1
		Orbiliales	4
		Pezizales	108
		Phaeotrichales	1
		Phyllachorales	3
		Pleosporales	19
		Rhizoglyphales	13
		Sordariales	8
		Thelebolales	9
		Venturiales	4
		Xylariales	11
		Incertae sedis	7
	Taphrinomycotina (10)	Taphrinales	10

Basidiomycota (890)	Agaricomycotina (736)	Agaricales	446
		Auriculariales	7
		Boletales	46
		Cantharellales	14
		Dacrymycetales	7
		Geastrales	10
		Gloeophyllales	2
		Gomphales	12
		Hymenochaetales	18
		Phallales	3
		Polyporales	56
		Russulales	96
		Sebacinales	1
		Thelephorales	12
		Tremellales	5
		Incertae sedis	1
			Pucciniomycotina (129)
		Helicobasidiales	1
		Microbotryales	5
		Pucciniales	122
	Ustilaginomycotina (25)	Entylomatales	7
		Exobasidiales	2
		Ustilaginales	10
		Urocystidales	6
Blastocladiomycota (1)		Blastocladiiales	1
Chytridiomycota (2)		Chytridiales	2
Glomeromycota (14)		Diversisporales	7
		Glomerales	7
Chromista			
Oomycota (58)		Albuginales	2
		Peronosporales	56
Protozoa			
Amoebozoa (49)	Mycetozoa (49)	Liceida (Liceales)	10
		Physarida (Physarales)	13
		Stemonitida (Stemonitales)	9
		Trichiida (Trichiales)	17
Total number		59	1515

Subphylum Taphrinomycotina is a phylogenetically old group of species that do not form fruitbodies and cause characteristic deformations of infected plant organs (leaves, shoots, fruits, flowers). They all belong to two genera – *Taphrina* and *Protomyces* – within Taphrinales. They were represented by 10 species in Roztocze. *Taphrina* species (9 species) parasitize the leaves of various tree species (birch, pear, alder, poplar) causing the formation of galls. Some species cause fruit deformation (e.g. *Taphrina pruni* on *Prunus domestica*), whereas others deform the shoots forming so-called witches' brooms, e.g. *Taphrina wiesneri* (on *Padus avium*) and *T. betulina* (on *Betula pubescens*). Representatives of *Protomyces* overgrow the vascular bundles of herbaceous plants, causing pustular deformations along the leaf and stem veins. In Roztocze, *Protomyces* is represented by a single species – *Protomyces macrosporus* parasitizing *Aegopodium podagraria*.

Phylum Basidiomycota. Basidiomycota also form a strongly diverse group. Most species belong to the Agaricomycotina (736 species). The greatest numbers of species were recorded within Agaricales (446), Russulales (96), Polyporales (56) and Boletales (46). The other orders are represented by a lesser number of species (up to 18), and often by only a single species. Among basidiomycetes there are many mutual symbionts that form ectomycorrhiza, but also opportunistic parasites and saprotrophs (e.g. *Fomes*, *Fomitopsis*, *Laetiporus*), that inhabit living trees and later feed on their remains. Some species are known to be pathogens of trees (*Armillaria*, *Heterobasidion*). Among mycorrhiza-forming species *Rubroboletus satanas* (= *Boletus satanas*) is particularly worth mentioning as the species is endangered (Wojewoda & Ławrynowicz 2006), strictly protected and very rare both in Poland (Kujawa *et al.* 2018) and in Roztocze: it was reported at the end of the 19th century in two locations, and currently is only reported in the Ukrainian part of the region (Kozłowska *et al.* 2015a).

Basidiomycota also includes three groups of micromycetes that are obligatory plant parasites. The first group includes rust fungi (Pucciniales, Pucciniomycotina, 129 species) with common parasites of grasses (Poaceae), i.e. *Puccinia graminis* and *P. coronata* (on 9 and 17 host species, respectively). Also, the presence of *Coleosporium tussilaginis* s.l. (on 22 host species from diverse taxa), *Puccinia arenariae* (on 6 Caryophyllaceae species), and *Puccinia menthae* (on 8 Lamiaceae species) has frequently been recorded. The second group of obligatory plant parasites are smut fungi (Ustilaginomycotina, 25 species), observed mainly in limited and diffuse locations. Only three species were more commonly found: *Entyloma ficariae* (on *Ficaria verna*), *E. microsporum* (on *Ranunculus repens*) and *Urocystis ranunculi* (on *Ranunculus repens*). The third taxon of plant parasites, Exobasidiales, is represented in Roztocze by two species: *Exobasidium arescens* (on *Vaccinium myrtillus*) and *E. vaccinii* (on *Vaccinium vitis-idaea*), which occur far more frequently than indicated by the number of currently listed locations (authors' personal observations).

Phylum Blastocladiomycota. Represented by one species of the *Physoderma* genus (*P. menyanthis* on *Menyanthes trifoliata*). This fungus is very rare throughout the world and the host is a healing plant characteristic for bog and fen communities.

Phylum Chytridiomycota. It includes two species of *Synchytrium* (*S. anemones* on *Anemone nemorosa* and *S. chrysosplenii* on *Chrysosplenium alternifolium*). They are rare, both in Roztocze and worldwide (Farr & Rossman 2018).

Phylum Glomeromycota. Only 14 species have been reported from Roztocze so far. It is an important group of fungi that form endomycorrhizae with both herbaceous and woody plants. Their apparently low number in Roztocze is a result of the lack of systematic research.

Kingdom Chromista. All of the species belonging to chromistan fungal analogues (58 species) represent two orders of Oomycota: Peronosporales (56 species) and Albuginales (2). They are obligatory parasites of vascular plants, including arable crops: *Phytophthora infestans* (on *Solanum tuberosum*), *Bremia lactucae* (on *Lactuca sativa* and 12 other Asteraceae species), *Albugo candida* (on *Armoracia rusticana* and 4 other Brassicaceae species). On wild growing plants *Plasmopara nivea* frequently occurs: it has been reported on 4 Apiaceae species.

Kingdom Protozoa. All of the protozoan fungal analogues collected in Roztocze are slime moulds (49 species). As no systematic research on this group has been carried out, the state of their recognition in the area is insufficient. The prevalence of many species is usually much higher than indicated by the few locations listed in the literature. The most frequently recorded species are as follows: *Lycogala epidendrum*, *Fuligo septica*, *Stemonitis fusca* and *Physarum cinereum*.

Substrates inhabited by fungi

Fungi require two basic elements of the environment to develop – the presence of organic compounds and adequate humidity within a specific habitat. A high degree of species richness of plants, soil rich in humus, wood in various stages of decay, varied plant litter, but also an abundance of other plant-derived products make Roztocze a favourable area for the development of fungi. The majority of fungi recorded were found on various plant elements, but they were associated with other substrates as well, e.g. with animal faeces, insects, and with other fungi.

Plants. Living plant organs are occupied by parasitic and symbiotic species, whereas saprotrophic species develop on dead remains. In total, fungal species were associated with 452 plant species, including 449 species of flowering plants and 3 species of ferns.

All fungal species belonging to Pucciniomycotina and Ustilaginomycotina (Basidiomycota), Taphrinomycotina and Erysiphales (Ascomycota), as well as Peronosporales and Albuginales (Oomycota) often occurred on the living organs of plants (see above). Many species of parasites belong to other taxa (including anamorphic fungi), such as Rhytismatales, Venturiales, Hypocreales, and Phyllachorales, which infect both herbaceous and woody plants.

Also, among macromycetes, many species inhabit plants as parasites and after host death they continue to live saprotrophically. Quite high numbers of fungi were collected on tree species characteristic for this area, and which form the basis of beech and fir forests. Most species were found in association with *Fagus sylvatica* (186 species) and *Abies alba* (153). Smaller numbers of fungi were collected on tree species forming other types of forests (pine, deciduous or mixed forests): *Pinus sylvestris* (72 species), *Carpinus betulus* (39), *Quercus* spp. (30), *Alnus* spp. (29), *Populus* spp. (29), *Acer* spp. (20), *Picea abies* (19), *Betula* spp. (17), *Corylus avellana* (4), *Malus* sp. (4) and *Ulmus* sp. (2).

Living plants are also a substrate for the development of mycorrhizal fungi. Mycorrhizae have not been studied in the Roztocze area, thus it is impossible to provide more exact figures

on the species included in this trophic group. Ectomycorrhizae consist mainly of soil-inhabiting, macrofungal basidiomycetes, and to a much lesser extent – ascomycetes (see paragraph below) while endomycorrhizae are formed by glomeromycotan fungi.

Soil (including humus and rhizosphere). The group of fungi found in the soil accounts for 501 species. These include mainly macrofungal Basidiomycota (420 species) and Ascomycota (67 species). They form fruitbodies on the surface of the soil and a considerable part of them form mycorrhizal relationships with trees. Macrofungi were the subject of detailed ecological studies, while soil micromycetes were only examined occasionally. Only 14 species of Glomeromycota were isolated from the rhizosphere.

Wood. Fungal species associated with wood were also the subject of more detailed studies. They were collected on living trees and on dead wood – trunks, stumps, logs, branches and bark. It is the second largest group of fungi (376 species) recorded in Roztocze. The number of species collected on the particular tree species are given above, but a considerable number of fungi was also collected on unidentified fragments of wood. A total of 207 species were found on standing, dead tree trunks and lying logs, 107 on stumps, 88 on twigs, 65 on branches, and 24 on bark. Many of them occur on different types of substrate and on different plant species.

Litter. Litter is the highly diversified surface layer of soil. It consists of the dead elements of plants falling to the floor of the forest, being in various stages of decomposition, e.g. leaves of deciduous and coniferous trees, the remnants of herbaceous plants, fruits (e.g. of beech and of hornbeam), cones of coniferous trees. The group of fungi found on litter and between its elements is quite high (173 species). There were 54 species associated with the needles of coniferous trees, 47 with the leaves of deciduous trees, 39 with the dead fragments of herbaceous plants and 13 with cones (*Pinus* 9, *Picea* 4, *Abies* 1), with cupules of *Fagus* (9), with female catkins of *Alnus* (3), with fruits of *Carpinus* (2), and *Quercus* (1). The majority of litter-decomposing species are cosmopolitan, and have a wide ecological spectrum and geographical range.

Animal faeces, burnt areas. Coprophilous fungi were only collected on the excrement of herbivorous animals. A total of 53 species were found, mainly ascomycetes (45 species). The rest belong to basidiomycetes (7 species) and slime moulds (1). 17 species were recorded on burnt areas (burnt soil or the remains of burnt plants): 14 asco- and 3 basidiomycetous species.

Fungi. This group includes fungi trophically associated with other fungi, as parasites or saprotrophs. In total, 12 species on 22 host species and on unspecified representatives of Diaporthales and Russulaceae were reported. This includes six basidiomycetous species found: *Pseudoboletus parasiticus* (on *Scleroderma citrinum*), *Asterophora lycoperdoides* (on *Lactarius* spp. and *Russula* spp.), *Clitopilus hobsonii* (on *Daedaleopsis confragosa*), *Collybia tuberosa* (on Russulaceae), *Tremella mycophaga* and *Tremella simplex* (on *Aleurodiscus amorphous*). Six species from Ascomycota (including their anamorphs) were observed on 17 host species. *Tolyptocladium* species (*T. capitatum* and *T. ophioglossoides*) and *Petrakia irregularis* occurred on ascocarps of *Elaphomyces* spp. and on an unidentified species from Diaporthales. Four species are hyperparasites that live on other parasitic fungi: *Ampelomyces quisqualis* occurred on 4 species of powdery mildews (Erysiphales), while *Cladosporium aecidiicola* and *Sphaerellopsis filum* parasitized 9 rust species (Pucciniales).

Animals (insects). All reported fungal parasites of insects are ascomycetes. In total, 16 species were hosted by 22 species of insects (mainly Coleoptera, rarely Diptera and Hymenoptera). The vast majority of fungi (13 species) belong to obligatory parasitic Laboulbeniales fungi. The other three species belong to facultatively saprotrophic fungi of genera *Cordyceps* and *Ophiocordyceps*.

Habitats occupied by fungi

A knowledge of the habitat of fungi, is the primary factor that determines the degree of knowledge concerning the fungi themselves, and thus the accuracy of the research. As already mentioned, Roztocze is a region well-recognized in terms of floristics and phytosociology. Similarly to the other protected areas of Poland, as in Roztocze, some mycological studies were carried out with the aim of covering well-developed and comprehensively characterized plant communities. The aim of the research was to explore the species richness, diversity, dynamics of occurrence and the role of fungi within certain types of plant communities. For this reason, the majority of information originates from Roztocze National Park, the area most thoroughly studied in terms of geobotany. However, much of the data included in the present study also comes from areas that were not floristically studied, and where fungi were collected only occasionally.

Attention should be paid to the results of many detailed mycological studies carried out in the forest habitats most characteristic of this area. A considerable number of fungal species were collected in two communities: in the rich Carpathian beech forest (*Dentario glandulosae-Fagetum*, 444 species) and in the submontane mesotrophic fir forest (*Abietetum polonicum*, 356).

In deciduous forests, a significant number of fungal species were also found in lime-oak-hornbeam forests (*Tilio Carpinetum*, 107 species), while a much lower number were found in Middle-European alder fen forest (*Carici elongatae-Alnetum*, 19). Among coniferous forests, a large number of species were found in continental mesotrophic oak-pine mixed forest (*Pino-Quercetum*) and in continental East-European pine forest (*Peucedano-Pinetum* = *Vaccinio myrtilli-Pinetum*): 140 and 115 species were collected there, respectively. In other forest communities, far fewer species have been collected, e.g. in continental swamp pine forest (*Vaccinio uliginosi-Pinetum*, 18), moist lowland subboreal oak-spruce forests (*Quercu-Piceetum*, 5), continental mesotrophic oak-pine mixed forest (*Quercu-Pinetum*, 3), Central European lichen pine forests (*Cladonio-Pinetum*, 1).

Fungi were also collected in forests not specified in terms of syntaxonomy. In those cases, only the type of the forest, e.g. deciduous, coniferous, mixed, beech forest were listed. Some of them probably correspond to the above-mentioned plant communities, but they may also be forest monocultures with an admixture of other tree species. The greatest numbers of fungi species were found in pine forests (291 species), fir forests (183), beech forests (89), alder forests (39) and oak forests (36).

The mixed nature of forests is suggested by the terms used in the some papers reporting fungal occurrence. 219 species of fungi have been observed in forests defined generally as mixed ones, 84 in deciduous forests, 40 in beech-fir forests, and 35 in coniferous forests. In addition, 53 species were collected in clearings and forest glades.

Apart from forest communities, many species have also been recorded in other habitats, e.g. on roads and roadsides (250 species), in different types of thicket communities (136), in various types of meadows (108), in ravines (68), including loess ravines (39), as well as in xerothermic grasslands (31). Fungi were also recorded in ruderal communities, places transformed by human activity, as well as in gardens (53 species), orchards (38), farmlands (33) and cultivation areas (23).

Conclusions

Despite the rather long lasting interest in fungi of the Roztocze region, the number of literature sources is not very rich and the vast majority of published papers are incomplete contributions. They present mainly lists of species, while there is a lack of results of systematic, long-term research. The only exceptions are comprehensive studies of mycological diversity and fungal ecology carried out by Sałata (1972).

Some fungal groups have been studied satisfactorily, such as obligate plant parasites (rusts, powdery mildews), ground- and wood-inhabiting macrofungal basidiomycetes and saprotrophic ascomycetes. However, many other taxonomic, trophic and ecological groups of fungi were not subjected to detailed studies and some groups are represented only by a single or very few species. There is as yet, only an insufficient knowledge of fungi associated with spore plants, as well as species specific to the region, representing mountain, boreal or Pontic elements. The fungi of peat bogs, wetlands and those associated with aquatic plants have also been poorly studied to date. Independent studies are required to explore the diversity and distribution of mycorrhiza-forming and lichenicolous fungi.

Also, the uneven state of the mycological exploration of individual regions of Roztocze should be emphasized. The attention of the researchers focused mainly on protected areas: on the Roztocze National Park and on nature reserves. Data from the rest of the area are more limited and less comprehensive.

However, it should be noted that although mycological research in Roztocze was not carried out intensively, it provided extensive data and deepened the knowledge of fungi. Still, taking into account the considerable diversity of habitats and the geobotanical value of Roztocze, as well as the high species richness of organisms, a much greater number of fungal species is to be expected. Natural and well-preserved fragments of plant communities can substantially support not only valuable mycological studies, but also interdisciplinary ecological research on the occurrence and role of fungi in natural terrestrial ecosystems.

Introduction to the list of species

The format of the presentation. This catalogue of species begins with a list of representatives of the true fungi and then fungus-like organisms belonging to the kingdoms of Chromista and Protozoa. Within this rank, the list of species is alphabetized by phylum and by species name. The names of fungal species collected in the area are typed in bold. The names of doubtful species are preceded by a question mark '?', and annotated with explanatory notes at the end of the paragraph. Also, host species and substrates are listed alphabetically in every entry.

The main list of species is preceded by an alphabetical list of ranks: genera, orders, classes, subphyla and phyla.

Sources of information. The list of Roztocze fungi has been prepared mainly on the basis of scientific papers published so far, covering a period of over 140 years, that is, from the late 19th century to 2016. Papers published in scientific series and journals have been studied, as well as those issued in small editions and available only in private collections. Also, the unpublished herbarial collections, primarily from the herbarium of the Department of Botany and Mycology at the Maria Curie-Skłodowska University in Lublin (acronym LBL; Thiers 2015) and collections held by the Roztocze National Park were included. The other existing collections, particularly the old ones, have been re-examined by various authors of taxonomic monographs. The last type of data source are the authors' own observations, though they were used to a lesser extent.

Location of sampling sites. As has already been mentioned, at the time of the establishment of the Roztocze National Park (see paragraph above), some of the nature reserves ceased to exist. However, their names were used for many years and they are also given in the present catalogue in order to specify the location of species occurrence in 1960. These nature reserves include Obrocz Reserve, Prof. Zygmunt Czubiński's Reserve and Zwierzyniec Reserve. In many cases, the term 'uroczysko' (wilderness) was adapted to indicate these (but also other) locations, e.g. Maziarki wilderness, Jarugi wilderness, Stoki wilderness (probably Stoki nad Wieprzem), Kamienna Góra wilderness. In the case of two names (reserve and wilderness) used in the papers, the term 'wilderness' was chosen.

Recently, the names and borders of some reserves have been changed. An example is the Czerkies Reserve which was initially mentioned as Czerkies (complex I and complex II), then as the Nart-Czerkies Reserve, while the area is currently divided into two reserves: Nart Reserve and Czerkies Reserve (Izdebski 1964; Tittenbrun *et al.* 2013). This causes an inconsistency in the list of locations reported by different researchers. Sałata (1972), for example, listed two mentioned complexes, while Flisińska (2004) quoted only one reserve (Czerkies). In the present catalogue 'complex I' is quoted as Nart Reserve, while 'complex II' is Czerkies Reserve. In some cases the name Nart-Czerkies reserve is used in the catalogue as it was reported this way by some authors, e.g. Skirgiełło (1970, 1976), Wojewoda (1979, 2003), and Komorowska (2006) as well as by collectors of herbarium vouchers. It is impossible to determine in which of the currently existing reserves the species were collected.

In the vast majority of publications the authors gave detailed information concerning the location of the collection; however, in some publications the locations were indicated in a very general way.

Taxonomic arrangement and nomenclature of fungi. The general taxonomic system of the 10th edition of the Dictionary of Fungi (Kirk *et al.* 2008) is adopted in the catalogue. The true fungi are classified within four phyla: Ascomycota, Basidiomycota, Chytridiomycota and Glomeromycota, chromistan fungal analogues belong to phylum Oomycota, and protozoan fungal analogues belong to phylum Amoebozoa (Tab. 1).

An artificial group called ‘anamorphic fungi’ (also called mitosporic fungi, deuteromycetes) that were separated in older taxonomic systems, has been almost entirely incorporated into Ascomycota. Only one species represented Basidiomycota. The current approach to the taxonomic position of anamorphs results from the use of the principle *one fungus = one name* (Taylor 2011). This principle was introduced in *International Code of Nomenclature for algae, fungi, and plants* (McNeill *et al.* 2012) to solve the problem of the dual nomenclature of pleomorphic fungi. The names of anamorph and teleomorph are treated equally for the purposes of establishing a priority that is primarily given to the older name. Some generic names, originally defining the anamorphic stage of the genus, now refer to the holomorph (= all morphs of the given species). Genera *Botrytis*, *Ramularia* and *Septoria* are good examples. These names originally included a very narrow range of information, describing only the vegetative stage and currently they refer to the entire life cycle of a given species. Consequently, the previous names of teleomorphs are treated as synonyms. In the present catalogue, species having different morphs (particularly ‘anamorphic fungi’) are given an annotation referring to which stage they were collected or isolated (anamorphic, teleomorphic, or both). The saving and presenting of this information in the species list seems to be relevant from an ecological point of view.

Names of fungi. The names of fungal species have been adopted mainly on the basis of the monographic studies of specific taxa listed below – phyla, orders, genera or morphological groups (e.g. cercosporoid fungi), as well as Polish checklists (Drozdowicz *et al.* 2003; Wojewoda 2003; Chmiel 2006; Mułenko *et al.* 2008).

Ascomycota: Erysiphales (Braun 1987, 1995a; Braun & Takamatsu 2000; Braun & Cook 2012); Helotiales, Pezizales, Phyllachorales and Rhytismatales (Chmiel 2006; Lizoń 1992); Laboulbeniales (Majewski 1994, 2008); Taphrinales, including former Protomycetales (Sałata 1974a, 1979; Bacigálová 2010).

Basidiomycota: Entylomatales, Microbotryales, Tilletiales, Ustilaginales, Urocystidales (Kochman & Majewski 1973; Vanky 1985, 1994, 2012); Exobasidiales (Nannfeldt 1981); Pucciniales (Majewski 1977, 1979; Urban & Marková 2009); other groups (Wojewoda 2003).

Glomeromycota: Błaszowski (2012).

Anamorphic fungi: hyphomycetes (Braun 1995b, 1998; Crous & Braun 2003; Wołczańska 2005; Crous *et al.* 2007; Simmons 2007; Bensch *et al.* 2012; Świdarska-Burek 2015); coelomycetes (Sutton 1980; Melnik 2000; Sałata 2002; Boerema *et al.* 2004; Wołczańska 2013; Ruskiewicz-Michalska 2016).

Oomycota: Albuginales, Peronosporales (Kochman & Majewski 1970; Constantinescu 1991; Voglmayr *et al.* 2006; Voglmayr & Constantinescu 2008).

Amebozoa (Myxomycetes): Krzemieniewska (1960); Neubert *et al.* (1993, 1995, 2000); Drozdowicz *et al.* (2003).

In order to verify uncertain or doubtful data, two global databases: Index Fungorum (www.indexfungorum.org) and MycoBank (www.mycobank.org) were also consulted.

Only the names cited in studies regarding the Roztocze region are listed as synonyms. In many cases, fungal names from early reports were given in the original form, however, they are no longer in use and cannot be regarded as synonyms. In addition, many names of species have been changed after reidentification. In such cases, names are preceded by the word 'as'.

Host names. Plants: names of vascular plants are listed after Polish checklist of vascular plants (Mirek *et al.* 2002), however the two databases: The International Plant Names Index (www.ipni.org) and The Plant List (www.theplantlist.org) were consulted in critical cases. In this catalogue, we have included all plant names reported in publications. Some of them are synonyms although sometimes they have not been mentioned as such for a long time. Some names are very old, forgotten, or unknown at present.

Frequently, only Polish generic names of trees and shrubs have been provided in the source literature. Some of them refer solely to the specific species growing in Roztocze, e.g. hornbeam = *Carpinus betulus*, beech = *Fagus sylvatica*, hazel = *Corylus avellana*, fir = *Abies alba*, spruce = *Picea abies*, pine = *Pinus sylvestris*). However, others are ambiguous and may refer to several species e.g. birch, poplar, oak. That is particularly true for plants cultivated in parks and gardens or intentionally planted along streets and roads. This type of data requires verification.

Fungi: the names of hosts of hyperparasites are listed above, in the paragraph devoted to fungal nomenclature. The names of macromycetes follow checklist of Wojewoda (2003) and Index Fungorum.

Insects: the names of hosts of Laboulbeniales were adopted from the papers by Majewski (1994, 2008).

Plant communities: names of plant communities are listed after the monograph by Matuszkiewicz (2008).

Hygrophilous deciduous forests: *Carici elongatae-Alnetum* – Middle-European alder fen forest; *Stellario-Alnetum* – Middle-European alder fen forest with *Stellaria*.

Eutrophic deciduous forests: *Dentario glandulosae-Fagetum* (= *Fagetum carpaticum*) – Carpathian beech forest; *Potentillo albae-Quercetum* – thermophilous oak forest; *Tilio Carpinetum* – sub-continental lime-oak-hornbeam forests.

Coniferous forests: *Abietetum polonicum* – submontane mesotrophic fir forest; *Abietetum polonicum circaetosum* – submontane mesotrophic fir forest with *Circaea*; *Cladonio-Pinetum* – Central European lichen pine forests; *Leucobryo-Pinetum* – suboceanic Middle-European pine forest; *Peucedano-Pinetum* (= *Vaccinio myrtilli-Pinetum*) – continental East-European pine forest; *Pino-Quercetum* (= *Querco-Pinetum*, *Querco roboris-Pinetum*) – continental mesotrophic oak-pine mixed forest; *Querco-Piceetum* – lowland subboreal oak-spruce forests; *Vaccinio uliginosi-Pinetum* – continental swamp pine forest.

Non-forest habitat communities:

- thickets with *Corylus*: *Peucedano cervariae-Coryletum*

- peat bog communities: *Eriophoro-Sphagnetum*; *Ledo-Sphagnetum magellanicum*
- herbaceous community: *Tenerio-Brachypodietum*
- xerothermic grassland communities: *Inuletum ensifoliae*; *Thalictro-Salvietum pratensis*; *Brachypodietum pinnatum*.

Classification of fungi and fungus-like organisms

Kingdom: **Fungi**

Phylum: Ascomycota

Subphylum: Pezizomycotina

Class: Dothideomycetes

Order: **Botryosphaeriales**

Genera: *Phaeobotryosphaeria*, *Phyllosticta*

Order: **Capnodiales**

Genera: *Cladosporium*

Order: **Mycosphaerellales**

Genera: *Cercospora*, *Cymadothea*, *Mycosphaerella*, *Passalora*, *Phacellium*,
Phloeospora, *Ramularia*, *Septoria*, *Zasmidium*

Order: **Myriangiales**

Genera: *Elsinoë*

Order: **Phaeotrichales**

Genera: *Trichodelitschia*

Order: **Pleosporales**

Genera: *Alternaria*, *Ampelomyces*, *Ascochyta*, *Boeremia*, *Coniothyrium*,
Parastagonospora, *Preussia*, *Sphaerellopsis*, *Splanchnonema*, *Sporormiella*,
Stagonospora

Order: **Venturiales**

Genera: *Coleroa*, *Venturia*

Class: Eurotiomycetes

Order: **Eurotiales**

Genera: *Elaphomyces*

Class: Laboulbeniomycetes

Order: **Laboulbeniales**

Genera: *Arthrorhynchus*, *Chitonomyces*, *Ecteinomyces*, *Eusynaptomyces*,
Helodiomyces, *Hydraeomyces*, *Laboulbenia*, *Rhachomyces*, *Symplectromyces*

Class: Leotiomycetes

Order: **Erysiphales**

Genera: *Blumeria*, *Erysiphe*, *Golovinomyces*, *Neoërysiphe*, *Phyllactinia*,
Podosphaera, *Sawadaea*

Order: **Helotiales**

Genera: *Allophylaria*, *Ascocoryne*, *Belonidium*, *Bisporella*, *Blumeriella*,
Brunnipila, *Calloria*, *Capitotricha*, *Cenangium*, *Chlorociboria*, *Ciboria*,
Cistella, *Crocicreas*, *Dasyscyphella*, *Diplocarpon*, *Drepanopeziza*,

Dumontinia, Durella, Encoelia, Gorgoniceps, Hamatocanthoscypha, Heterosphaeria, Heyderia, Hyalopeziza, Hyaloscypha, Hymenoscyphus, Lachnellula, Lachnum, Lanzia, Lasiobolium, Leotia, Leptotrochila, Micropodia, Mitrula, Mollisia, Monilinia, Neobulgaria, Ombrophila, Pezicula, Pezizella, Phacidium, Phaeohelotium, Phialina, Pseudohelotium, Pseudopeziza, Psilachnum, Pyrenopeziza, Rutstroemia, Tapesia, Urceolella, Velutarina

Order: **Leotiales**

Genera: *Bulgaria*

Order: **Rhytismatales**

Genera: *Colpoma, Cudonia, Hypoderma, Lirula, Lophodermium, Propolis, Rhytisma, Spathularia, Tryblidiopsis*

Order: **Thelebolales**

Genera: *Ascozonus, Coprotus, Thelebolus, Trichobolus*

Class: Orbiliomycetes

Order: **Orbiliales**

Genera: *Orbilina*

Class: Pezizomycetes

Order: **Pezizales**

Genera: *Aleuria, Anthracobia, Ascobolus, Byssonectria, Caloscypha, Cheilymenia, Desmazierella, Discina, Geopora, Geopyxis, Gyromitra, Helvella, Humaria, Iodophanus, Lamprospora, Lasiobolus, Leucoscypha, Melastiza, Miladina, Morchella, Octospora, Otidea, Peziza, Plicaria, Pseudoplectania, Pulvinula, Pyronema, Ramsbottomia, Rhizina, Saccobolus, Sarcoscypha, Scutellinia, Tarzetta, Thecotheus, Tricharina, Trichophaea, Trichophaeopsis, Tuber, Verpa*

Class: Sordariomycetes

Order: **Chaetosphaeriales**

Genera: *Chaetosphaeria, Phaeostalagmus*

Order: **Coniochaetales**

Genera: *Coniochaeta*

Order: **Diaporthales**

Genera: *Apiognomonina, Cytospora, Diaporthe*

Order: **Glomerellales**

Genera: *Plectosphaerella*

Order: **Hypocreales**

Genera: *Calonectria, Claviceps, Cordyceps, Nectria, Neonectria, Ophiocordyceps, Tolyptocladium*

Order: **Microascales**

Genera: *Ceratocystis, Chalara*

Order: **Phyllachorales**

Genera: *Phyllachora, Stigmatula*

Order: Sordariales

Genera: *Podospora*, *Schizothecium*, *Sordaria*

Order: Xylariales

Genera: *Diatrype*, *Eutypa*, *Eutypella*, *Hypoxylon*, *Kretzschmaria*, *Xylaria*

Incertae sedis: *Asteromella* (Dothideomycetes), *Cryptomycina* (Sordariomycetes),
Endoconospora, *Fumago*, *Gyoerffyella*, *Petrakia* (Pezizomycotina)

Subphylum: Taphrinomycotina

Class: Taphrinomycetes

Order: Taphrinales

Genera: *Protomyces*, *Taphrina*

Phylum: Basidiomycota

Subphylum: Agaricomycotina

Class: Agaricomycetes

Order: Agaricales

Genera: *Agaricus*, *Agrocybe*, *Amanita*, *Ampulloclitocybe*, *Armillaria*,
Aspidella, *Asterophora*, *Atheniella*, *Baeospora*, *Bogbodia*, *Bolbitius*, *Calocybe*,
Calvatia, *Calyptella*, *Chamaemyces*, *Chlorophyllum*, *Chondrostereum*,
Clavaria, *Clitocella*, *Clitocybe*, *Clitocybula*, *Clitopilus*, *Collybia*, *Connopus*,
Conocybe, *Coprinellus*, *Coprinopsis*, *Coprinus*, *Cortinarius*, *Crepidotus*,
Crinipellis, *Crucibulum*, *Cuphophyllum*, *Cyathus*, *Cyphella*, *Cystoderma*,
Cystodermella, *Cystolepiota*, *Delicatula*, *Entocybe*, *Entoloma*, *Fistulina*,
Flammulaster, *Flammulina*, *Galerina*, *Gerronema*, *Gliophorus*, *Gymnopilus*,
Gymnopus, *Hebeloma*, *Hemimycena*, *Hohenbuehelia*, *Hydropus*, *Hygrocybe*,
Hygrophorus, *Hymenopellis*, *Hypholoma*, *Inocybe*, *Kuehneromyces*, *Laccaria*,
Lacrymaria, *Lepiota*, *Lepista*, *Leratiomyces*, *Leucocortinarius*, *Leucopaxillus*,
Lichenomphalia, *Limacella*, *Lycoperdon*, *Lyophyllum*, *Macrocystidia*,
Macrolepiota, *Macrotyphula*, *Marasmiellus*, *Marasmius*, *Megacollybia*,
Melanoleuca, *Mycena*, *Mycenastrum*, *Mycetinis*, *Myxomphalia*, *Naucoria*,
Nidularia, *Omphalina*, *Oudemansiella*, *Panaeolus*, *Panellus*, *Parasola*,
Pholiota, *Phyllostopsis*, *Pleurotellus*, *Pleurotus*, *Pluteus*, *Porpoloma*,
Protostropharia, *Psathyrella*, *Pseudoclitocybe*, *Pseudoomphalina*, *Psilocybe*,
Radulomyces, *Rhodocollybia*, *Ripartites*, *Schizophyllum*, *Simocybe*,
Sphagnurus, *Strobilurus*, *Stropharia*, *Tapinella*, *Tricholoma*, *Tricholomopsis*,
Tubaria, *Tulostoma*, *Typhula*, *Volvariella*, *Xeromphalina*

Order: Auriculariales

Genera: *Auricularia*, *Exidia*, *Pseudohydnum*

Order: Boletales

Genera: *Astraeus*, *Boletus*, *Chalciporus*, *Chroogomphus*, *Cyanoboletus*,
Gomphidius, *Gyroporus*, *Hygrophoropsis*, *Imleria*, *Leccinum*, *Neoboletus*,
Paxillus, *Phylloporus*, *Pseudoboletus*, *Pseudomerulius*, *Rhizopogon*,
Rubroboletus, *Scleroderma*, *Strobilomyces*, *Suillellus*, *Suillus*, *Tylopilus*,
Xerocomellus

Order: Cantharellales

Genera: *Cantharellula*, *Cantharellus*, *Clavulina*, *Craterellus*, *Hydnum*,
Pseudocraterellus, *Rickenella*

Order: Dacrymycetales

Genera: *Calocera*, *Dacrymyces*, *Ditiola*

Order: Geastrales

Genera: *Geastrum*

Order: Gloeophyllales

Genera: *Gloeophyllum*

Order: Gomphales

Genera: *Clavariadelphus*, *Gomphus*, *Ramaria*

Order: Hymenochaetales

Genera: *Basidioradulum*, *Coltricia*, *Hymenochaete*, *Hyphodontia*, *Inonotus*,
Phellinus, *Porodaedalea*, *Pseudochaete*, *Schizopora*, *Trichaptum*

Order: Phallales

Genera: *Clathrus*, *Mutinus*, *Phallus*

Order: Polyporales

Genera: *Antrodia*, *Antrodiella*, *Bjerkandera*, *Climacocystis*, *Cystostereum*,
Daedalea, *Daedaleopsis*, *Fomes*, *Fomitopsis*, *Ganoderma*, *Grifola*,
Hapalopilus, *Irpex*, *Ischnoderma*, *Junghuhnia*, *Laetiporus*, *Lentinus*,
Leptoporus, *Meripilus*, *Merulius*, *Neolentinus*, *Oligoporus*, *Perenniporia*,
Phaeolus, *Phlebia*, *Plebiopsis*, *Polyporus*, *Postia*, *Pycnoporellus*, *Skeletocutis*,
Sparassis, *Steccherinum*, *Trametes*, *Trametopsis*

Order: Russulales

Genera: *Albatrellus*, *Aleurodiscus*, *Artomyces*, *Auriscalpium*, *Bondarzewia*,
Dichostereum, *Heridium*, *Heterobasidion*, *Lactarius*, *Lentinellus*, *Peniophora*,
Russula, *Stereum*

Order: Sebaciales

Genera: *Sebacina*

Order: Thelephorales

Genera: *Bankera*, *Hydnellum*, *Phellodon*, *Sarcodon*, *Thelephora*

Uncertain position: *Oxyporus* (Agaricomycetes)

Class: Tremellomycetes

Order: Tremellales

Genera: *Tremella*

Subphylum: Pucciniomycotina

Class: Atractiellomycetes

Order: Atractiellales

Genera: *Phleogena*

Class: Microbotryomycetes

Order: Microbotryales

Genera: *Microbotryum*, *Sphacelotheca*

Class: Pucciniomycetes

Order: **Helicobasidiales**

Genera: *Helicobasidium*

Order: **Pucciniales**

Genera: *Coleosporium*, *Cronartium*, *Cumminsia*, *Frommeella*,
Gymnosporangium, *Hyalopsora*, *Kuehneola*, *Melampsora*, *Melampsorella*,
Melampsidium, *Naohidemycetes*, *Ochropsora*, *Phragmidium*, *Puccinia*,
Pucciniastrum, *Tranzschelia*, *Triphragmium*, *Uromyces*

Subphylum: Ustilaginomycotina

Class: Exobasidiomycetes

Order: **Entylomatales**

Genera: *Entyloma*

Order: **Exobasidiales**

Genera: *Exobasidium*

Class: Ustilaginomycetes

Order: **Ustilaginales**

Genera: *Anthracoidea*, *Macalpinomyces*, *Schizonella*, *Ustilago*

Order: **Urocystidiales**

Genera: *Thecaphora*, *Urocystis*

Phylum: Blastocladiomycota

Class: Blastocladiomycetes

Order: **Blastocladales**

Genera: *Physoderma*

Phylum: Chytridiomycota

Class: Chytridiomycetes

Order: **Chytridiales**

Genera: *Synchytrium*

Phylum: Glomeromycota

Class: Glomeromycetes

Order: **Diversisporales**

Genera: *Acaulospora*, *Pacispora*, *Scutellospora*

Order: **Glomerales**

Genera: *Claroideoglossum*, *Funneliformis*, *Glomus*, *Rhizophagus*

Kingdom: **Chromista**

Phylum: Oomycota

Class: Oomycetes

Order: **Albuginales**

Genera: *Albugo*, *Wilsoniana*

Order: **Peronosporales**

Genera: *Bremia*, *Hyaloperonospora*, *Paraperonospora*, *Peronospora*,
Phytophthora, *Plasmopara*, *Pseudoperonospora*

Kingdom: **Protozoa**

Phylum: Amoebozoa

Subphylum: Mycetozoa

Class: Myxogastria [Myxomycetes (orth. bot.)]

Order: **Liceida** [Liceales (orth. bot.)]

Genera: *Cribraria*, *Lycogala*, *Reticularia*, *Tubifera*

Order: **Physarida** [Physarales (orth. bot.)]

Genera: *Badhamia*, *Didymium*, *Leocarpus*, *Physarum*

Order: **Stemonitida** [Stemonitales (orth. bot.)]

Genera: *Collaria*, *Fuligo*, *Lamproderma*, *Stemonitis*

Order: **Trichiida** [Trichiales (orth. bot.)]

Genera: *Arcyria*, *Hemitrichia*, *Metatrichia*, *Perichaena*, *Trichia*

List of species

Abbreviations and symbols: **LBL** – herbarium of Department of Botany and Mycology, Maria Curie-Skłodowska University (Lublin, Poland) (acronym according to Index Herbariorum; Thiers 2015); **incl.** – including; **NP** – National Park; **pers. obs.** – personal observation; **res.** – reserve; **sect.** – forest section number; **wild.** – wilderness ('Uroczysko').

Any doubts that arose during the elaboration of the checklist are discussed at the species entry in a separate 'Notes' paragraph.

Fungi

ASCOMYCOTA

Aleuria Fuckel

Aleuria aurantia (Pers.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res. (Sałata 1972; Chmiel 1978); Bukowa Góra res., Jarugi res., Stoki wild. (Chmiel 1978); Roztocze NP – without precise location (Sałata 1988); Kosobody village (Sałata 1991); Kawęczyniek village near Szczebrzeszyn town (LBL M-18 and LBL M-7589, 14 Oct. 1992, leg. M. Chmiel); Nart res. (LBL M-16 and LBL M-17, 18 Sept. 1986, leg. M. Chmiel); Olszanka village (LBL M-7590, 16 July 1998, leg. M. Chmiel). Cited by Sałata (1991), Chmiel (2006), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: roadside in *Abietetum polonicum*, sandy roads in *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, loess ravine in mixed forest.

Allophylaria (P. Karst.) P. Karst.

Allophylaria campanuliformis (Fuckel) Svrček

SYNONYMS: *Pezizella campanuliformis* (Fuckel) Dennis

HOST/SUBSTRATE/LOCALITY:

- Petioles of fern leaves: Otrocz village (LBL M-7662, 5 Aug. 1998, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Alternaria Nees*Alternaria brassicae* (Berk.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Armoracia rusticana* P. Geartn., B. Mey. & Scherb. [= *Armoracia lapathifolia* Gilib.]: Tomaszów Lubelski town (Sałata 1991).

PLANT COMMUNITY/HABITAT: garden.

NOTES: The fungus was collected in anamorphic stage.

Alternaria ribis Bubak & Ranoj.

HOST/SUBSTRATE/LOCALITY:

- *Ribes nigrum* L.: Kosobody village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets along a road.

NOTES: The fungus was collected in anamorphic stage.

Ampelomyces Ces. ex Schldl.*Ampelomyces quisqualis* Ces.SYNONYMS: *Cicinobolus cesatii* de Bary

HOST/SUBSTRATE/LOCALITY:

- *Golovinomyces depressus* (Wallroth) V.P. Heluta [= *Erysiphe cichoracearum* auct. p.p., *Erysiphe depressa* (Wallr.) Link] [fungi; on *Arctium tomentosum* Mill. and *Centaurea montana* L.]: Tomaszów Lubelski town (Sałata 1991).
- *Golovinomyces montagnei* U. Braun [= *Erysiphe cichoracearum* auct. p.p.] [fungi; on *Cirsium vulgare* (Savi) Ten. = *Cirsium lanceolatum* (L.) Scop.]: Brody village near Szczepreszyn town (LBL M-9919, 11 June 1970, *leg. J. Romaszewska-Sałata*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Podosphaera aphanis* (Wallr.) U. Braun & S. Takam. [= *Sphaerotheca aphanis* (Wallr.) U. Braun var. *aphanis*] [fungi; on *Geum urbanum* L.]: Zwierzyniec town (Sałata 1991).
- *Podosphaera erigerontis-canadensis* (Lév.) L. Junell [= *Sphaerotheca erigerontis-canadensis* (Lév.) L. Junell] [fungi; on *Taraxacum officinale* Wigg]: Nad Tanwią res. (LBL M-21427, 20 July 1981, *leg. L. Czyżewska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: meadow, garden, roadside.

NOTES: The fungus was collected in anamorphic stage. Information about the species occurrence in the Roztocze region was also provided in the paper by Chmiel *et al.* (1994).*Anthracobia* Boud.*Anthracobia macrocystis* (Cooke) Boud.

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Zwierzyniec res. (Sałata & Bednarczyk 1977, as *Anthracobia macrocystis*); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Chmiel (1978, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*.

Anthracobia maurilabra (Cooke) Boud.

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Batorz village (LBL M-7591, 19 Aug. 1996, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: along a road in *Pino-Quercetum*.

Anthracobia melaloma (Alb. & Schwein.) Boud.

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Czerkies res., Zwierzyniec res. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Vaccinio myrtilli-Pinetum*.

Anthracobia subatra (Rehm) M.M. Moser

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Bukowa Góra res. (Chmiel 1978); Zwierzyniec town (LBL M-34, 19 July 1968, *leg. B. Sałata*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, *Vaccinio myrtilli-Pinetum*.

Apiognomonina Höhn.

Apiognomonina errabunda (Roberge ex Desm.) Höhn.

SYNONYMS: *Discula umbrinella* (Berk. & Broome) M. Morelet

HOST/SUBSTRATE/LOCALITY:

- ***Tilia cordata*** Mill.: Narol town (LBL M-23819, 20 Aug. 1992, *leg. B. Hypiak*).

PLANT COMMUNITY/HABITAT: thickets.

NOTES: The fungus was collected in anamorphic stage.

Arthrorhynchus Kolen.

Arthrorhynchus diesingii Kolenati

HOST/SUBSTRATE/LOCALITY:

- ***Nycteribia kolenatii*** (Theodor & Moscona) (insects; Diptera): Topólcza village near Szczepieszyn town, Zwierzyniec town (Majewski 1994, on *Nycteribia kolenatii* Theodor). Cited by Majewski (2008) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: park.

Ascobolus* Pers.**Ascobolus albidus* P. Crouan & H. Crouan**

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Szum res. near Górecko village (Bednarczyk 1974); Obroc village (Chmiel 1977); Obroc res., Zwierzyniec res. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994); Bukowa Góra res. (LBL M-41, 29 Oct. 1974, *leg. M. Chmiel*); Czerkies res. (LBL M-42, 27 Apr. 1987, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*.

Ascobolus albidus → ***Saccobolus glaber***

***Ascobolus carbonarius* P. Karst.**

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Jarugi res. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Ascobolus furfuraceus → ***Ascobolus stercorarius***

Ascobolus glaber → ***Saccobolus glaber***

***Ascobolus immersus* Pers.**

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obroc village, Zwierzyniec town (Chmiel 1977); Bukowa Góra res., Obroc res., Stoki wild. (Chmiel 1978); Kawęczynek village near Szczepieszyn town (LBL M-7593, 7 June 1986, *leg. M. Chmiel*); Szczepieszyn town – Szperówka district (LBL M-7594, 27 June 1987, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Vaccinio myrtilli-Pinetum*, wet meadow, thickets in ravine, ravine.

***Ascobolus michaudii* Boud.**

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Hrebenne village (LBL M-7962, 3 June 1986, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

***Ascobolus stercorarius* (Bull.) J. Schröt.**

SYNONYMS: *Ascobolus furfuraceus* Pers.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obrocz village, Zwierzyniec town (Chmiel 1977); Bukowa Góra res., Maziarki wild., Obrocz res., Stoki wild. (Chmiel 1978); Kawęczynek village near Szczepieszyn town (LBL M-7593, 7 June 1986, *leg. M. Chmiel*); Szczepieszyn town – Szperówka district (LBL M-7594, 27 June 1987, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Carici elongatae-Alnetum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, ravine, thickets in ravine.

***Ascobolus viridis* Curr.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Obrocz res. (Sałata 1972); Szczepieszyn town (LBL M-7592, 8 Aug. 1993, *leg. M. Chmiel*). Cited by Chmiel (1978, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, old orchard.

***Ascochyta* Lib.**

NOTES: The fungi of genus *Ascochyta* were collected in anamorphic stage.

***Ascochyta lamiorum* Sacc.**

HOST/SUBSTRATE/LOCALITY:

- *Lamium maculatum* L.: Nowiny Horynieckie village (Sałata *et al.* 1994; Sałata 2002). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

***Ascochyta mercurialis* Bres.**

HOST/SUBSTRATE/LOCALITY:

- *Mercurialis perennis* L.: Bukowa Góra res. (Sałata 1991, 2002).

PLANT COMMUNITY/HABITAT: beech forest.

***Ascochyta silenens* Ellis & Everh.**

HOST/SUBSTRATE/LOCALITY:

- *Melandrium album* (Mill.) Garcke: Guciów village (Sałata 1991).

PLANT COMMUNITY/HABITAT: meadow.

***Ascochyta sonchi* (Sacc.) Grove**

HOST/SUBSTRATE/LOCALITY:

- *Cirsium arvense* (L.) Scop.: Guciów village (LBL M-23825, 18 Oct. 1984, *leg. J. Balicka*).

PLANT COMMUNITY/HABITAT: thickets along roads.

Ascocoryne J.W. Groves & D.E. Wilson*Ascocoryne cylichnium* (Tul.) KorfSYNONYMS: *Coryne cylichnium* (Tul.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (logs and stumps): Maziły village, Nad Tanwią res. (Sałata & Bednarczyk 1977); Bukowa Góra res., Jarugi res., Maziarki wild., Nart res., Obrocz res. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (logs, stumps and fallen branch): Czerkies res. (Sałata 1972); Bukowa Góra res., Jarugi res., Maziarki wild., Obrocz res. (Chmiel 1978); Nart res. (Chmiel 1978; Sałata 1988, without precise location from Roztocze NP; LBL M-61, 18 Sept. 1986, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Pinus sylvestris* L. (logs and stumps): Bukowa Góra res., Jarugi res., Maziarki wild., Nart res., Obrocz res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Log of deciduous tree: Szczepieszyn town – Szperówka district (LBL M-7817, 14 Oct. 1992, *leg. M. Chmiel*).
- Tree stump: Otrocz village (LBL M-7626, 5 Aug. 1998, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*.*Ascocoryne sarcoides* (Jacq.) J.W. Groves & D.E. WilsonSYNONYMS: *Coryne sarcoides* (Jacq.) Tul. & C. Tul., *Ombrophila sarcoides* P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Alnus* sp. (stump): Susiec village – Skwarki district (Sałata 1991).
- *Betula* sp. (rotten logs and stumps): Żyłka village near Bełżec village (Sałata 1991); Zwierzyniec res. – sect. 120 (LBL M-308, 5 Sept. 1975, *leg. M. Chmiel*).
- *Fagus sylvatica* L. (logs and stumps): Bukowa Góra res., Obrocz res. (Sałata 1972); Olszanka village (LBL M-7629, 18 Sept. 1986, *leg. Z. Wajler*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Pinus sylvestris* L. (mossy stump): Nart res. – sect. 111 (LBL M-306, 10 Sept. 1976, *leg. M. Chmiel*).
- Hard and rotten logs and stumps of coniferous and deciduous trees: Zwierzyniec town (Błoński 1896); Bukowa Góra res., Czerkies res., Jarugi res., Obrocz res. (Chmiel 1978); Olszanka village (LBL M-7628, 19 Aug. 1996, *leg. M. Chmiel*). Cited by Sałata (1991, also incorrectly after Sałata 1988), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Peucedano-Pinetum*, *Vaccinio myrtilli-Pinetum*, alder forest, mixed forests.*Ascophanus carneus* → *Iodophanus carneus**Ascophanus glaucellus* → *Coprotus glaucellus**Ascophanus holmskjoldii* → *Thecotheus holmskjoldii**Ascophanus ochraceus* → *Coprotus ochraceus*

Ascozonus (Renny) E.C. Hansen

Ascozonus woolhopensis (Renny) Boud.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Kosobody village, Obroc village (Chmiel 1977); Bukowa Góra res., Jarugi res., Obroc res. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

NOTES: In all papers the fungus was reported as *Ascozonus woolhopensis* (Berk. & Broome) Boud.

Asteromella Pass. & Thüm.

Asteromella aegopodii → *Mycosphaerella podagrariae*

Asteromella prunellae (Ellis & Everh.) Rusk.-Mich.

HOST/SUBSTRATE/LOCALITY:

- *Prunella vulgaris* L.: Roztocze NP – Ścieżka na Bukową Górę path (Ruszkiewicz-Michalska 2016).

PLANT COMMUNITY/HABITAT: beech forest.

NOTES: The fungus was collected in anamorphic stage.

Asteromella pyricola (Sacc. & Speg.) Moesz ex Bat. & Peres

SYNONYMS: *Phyllosticta pyricola* Sacc. & Speg. [as 'piricola']

HOST/SUBSTRATE/LOCALITY:

- *Pyrus communis* L.: Nad Tanwią res. (LBL M-23806, 5 Oct. 1981, leg. L. Czyżewska).

PLANT COMMUNITY/HABITAT: bank of the Tanew river.

NOTES: The fungus was collected in anamorphic stage.

Belonidium Mont. & Durieu

Belonidium mollissimum (Fuckel) Raitv.

SYNONYMS: *Dasyscyphus mollissimus* (Lasch) Dennis

HOST/SUBSTRATE/LOCALITY:

- *Arctium* sp. (dead stems): Szczepieszyn town (LBL M-7934, 20 Apr. 1986, leg. M. Chmiel).
- *Heracleum* sp. (dead stems): Szczepieszyn town (LBL M-12850 and LBL M-13818, 30 May 2004, leg. M. Chmiel).
- *Urtica dioica* L. (dead stems): Szczepieszyn town (LBL M-7931, 16 June 1984, leg. M. Chmiel; LBL M-7642, 17 Sept. 1994, leg. M. Chmiel).
- Dead stems of herbaceous plants: Zwierzyniec res. (Chmiel 1978); Biała Góra hill near Tomaszów Lubelski town (LBL M-7927, LBL M-7928 and LBL M-7929, 26 Aug. 1982, leg. M. Chmiel); Brodzka Góra hill near Szczepieszyn town (LBL M-7933, 7 June 1986, leg. M. Chmiel); Szczepieszyn town (LBL M-7930, LBL M-7932 and LBL M-7943, 16 June

1984, *leg. M. Chmiel*; LBL M-7938, 27 June 1987, *leg. M. Chmiel*; LBL M-7939, 4 Apr. 1992, *leg. M. Chmiel*; LBL M-7869 and LBL M-7940, 4 July 1992, *leg. M. Chmiel*; LBL M-12849, 6 July 2003, *leg. M. Chmiel*); Szczepieszyn town – Szperówka district (LBL M-7936 and LBL M-7937, 27 June 1987, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic grassland, thickets in loess ravine, along a road in ravine, balk, old orchard, roadsides.

Belonioscypha culmicola → *Crocicreas culmicola*

Bisporella Sacc.

Bisporella citrina (Batsch) Korf & S.E. Carp.

SYNONYMS: *Calycella citrina* (Hedw.) Boud.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten wood): Obroc res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Carpinus betulus*** L. (rotten wood): Bukowa Góra res. (LBL M-125, 13 Nov. 1976, *leg. M. Chmiel*).
- ***Fagus sylvatica*** L. (branches buried in the litter): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972; Chmiel 1978); Nart res. (Sałata 1972); Jarugi res. (Chmiel 1978); Nart-Czerkies res. (LBL M-84, 18 Sept. 1986, *leg. M. Chmiel*); Prof. Zygmunt Czubiński Reserve (LBL M-129, 4 Sept. 1979, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- ***Pinus sylvestris*** L. (rotten wood): Bukowa Góra res., Czerkies res., Jarugi res., Obroc res. (Chmiel 1978); Nart res. (LBL M-128, 14 Sept. 1976, *leg. M. Chmiel*; LBL M-127, 29 Sept. 1976, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Stumps, logs, branches, leaves: Roztocze Środkowe region – without precise location (Sałata 1969a); Nart-Czerkies res. (Sałata 1988, without precise location from Roztocze NP; LBL M-84, 18 Sept. 1986, *leg. M. Chmiel*). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Bisporella pallescens (Pers.) S. E. Carp. & Korf.

SYNONYMS: *Helotium pallescens* (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Sambucus racemosa*** L. (overwintered stems): Biała Góra hill near Tomaszów Lubelski town (LBL M-7980, 16 Sept. 1982, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: thickets in ravine.

Bisporella sulfurina (Quél.) S.E. Carp.

HOST/SUBSTRATE/LOCALITY:

- Bark of deciduous trees: Nart-Czerkies res. (Sałata 1988, without precise location from Roztocze NP; LBL M-85, 18 Sept. 1986, *leg. M. Chmiel*). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Blumeria Golovin ex Speer

Blumeria graminis (DC.) Speer

SYNONYMS: *Erysiphe graminis* DC.

HOST/SUBSTRATE/LOCALITY:

- *Apera spica-venti* (L.) P. Beauv.: Nad Tanwią res. (LBL M-10136, 28 June 1981, *leg. L. Czyżewska*).
- *Brachypodium sylvaticum* (Huds.) P. Beauv.: Maziarki wild. (Sałata 1991). Cited by Mułenko *et al.* (2015).
- *Bromus inermis* Leyss.: Obrocz village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Deschampsia cespitosa* (L.) P. Beauv.: Jarugi res. (Sałata 1991). Cited by Mułenko *et al.* (2015).
- *Poa annua* L.: Florianka wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Poa pratensis* L.: Roztocze NP – without precise location (Romaszewska-Sałata 1981); Obrocz village (Sałata 1991). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Secale cereale* L.: Gorajec-Stara Wieś village (LBL M-1926, 20 July 1977, *leg. A. Poświatowska*).
- *Triticum aestivum* L. [= *Triticum vulgare* Vill.]: Obrocz village (Sałata & Romaszewska-Sałata 1969). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: oak forest, roadsides in fir forest and in beech-hornbeam forest, meadows (by the Wierpż river and in other places), farmland.

Blumeriella Arx

Blumeriella jaapii (Rehm) Arx

SYNONYMS: *Phloeospora padi* (Lib.) Arx

HOST/SUBSTRATE/LOCALITY:

- *Cerasus avium* (L.) Moench: Obrocz village, Zwierzyniec res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen)

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, margin of pine forest.

NOTES: The fungus was collected in anamorphic stage.

Boeremia

Boeremia hedericola (Durieu & Mont.) Aveskamp, Gruyter & Verkley

SYNONYMS: *Phyllosticta hedericola* Durieu & Mont.

HOST/SUBSTRATE/LOCALITY:

- *Hedera helix* L.: Kamienna Góra wild. (Sałata 1991).

PLANT COMMUNITY/HABITAT: beech-fir forest.

NOTES: The fungus was collected in anamorphic stage.

Bostrichonema alpestre → *Diplocarpon alpestri*

Brunnipila Baral

Brunnipila clandestina (Bull.) Baral

SYNONYMS: *Dasyscyphus clandestinus* (Bull.) Fuckel [as '*Dasyscypha clandestina*']

HOST/SUBSTRATE/LOCALITY:

- ***Rubus idaeus*** L. (overwintered stems): Bukowa Góra res., Zwierzyniec res. (Chmiel 1978); Horodyszcz village (LBL M-12810 and LBL M-12811, 3 June 1986, *leg. M. Chmiel*); Szczebrzeszyn town (LBL M-7903, LBL M-7904 and LBL M-7905, 16 June 1984, *leg. M. Chmiel*; LBL M-7971, 13 May 1989, *leg. M. Chmiel*; LBL M-12823, 6 July 2003, *leg. M. Chmiel*); Ulów village (LBL M-7672, LBL M-7673, LBL M-12808 and LBL M-12809, 2 June 1986, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Vaccinio myrtilli-Pinetum*, roadside ditch in forest, margin of loess ravine, garden, old orchard, roadside.

Brunnipila palearum (Desm.) Baral

SYNONYMS: *Dasyscyphus palearum* (Desm.) Masee

HOST/SUBSTRATE/LOCALITY:

- ***Elymus*** sp. [= *Agropyron* sp.] (stem): Szczebrzeszyn town – Szperówka district (LBL M-7643, 2 May 1994, *leg. M. Chmiel*).
- ***Secale cereale*** L. (stems): Szczebrzeszyn town (LBL M-7952 and LBL M-7953, 16 June 1984, *leg. M. Chmiel*; LBL M-7950, 27 June 1987, *leg. M. Chmiel*).
- ***Triticum aestivum*** L. (stems): Szczebrzeszyn town (LBL M-7949 and LBL M-7969, 25 Apr. 1992, *leg. M. Chmiel*; LBL M-12857, 30 March 1998, *leg. M. Chmiel*).
- Overwintered stems of Poaceae plants: Szczebrzeszyn town (LBL M-7951, 16 June 1984, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: old orchard, roadside ditch, along a road in ravine, stubble, balk, farmland.

Bulgaria Fr.

Bulgaria inquinans (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (logs): Bukowa Góra res. (Sałata 1972; Skirgieńko 1976; Chmiel 1978); Nart res. (Sałata 1972); Czerkies res. (Skirgieńko 1976; Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- ***Quercus*** sp. (logs): Jarugi res., Maziarki wild. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

- Substrate not listed: Bondyryz village (Błoński 1896). Cited by Skirgiełło (1976), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Byssonectria P. Karst.

Byssonectria fusispora (Berk.) Rogerson & Korf

SYNONYMS: *Inermisia aggregata* (Berk. & Broome) Svrček, *Inermisia fusispora* (Berk.) Rifai, *Octospora aggregata* (Berk. & Broome) Eckblad

HOST/SUBSTRATE/LOCALITY:

- Humus and plant litter: Bukowa Góra res., Nart res. (Sałata 1972); Czerkies res., Obrocz res. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- Soil: Jarugi res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Calloria Fr.

Calloria neglecta (Lib.) B. Hein

SYNONYMS: *Callorina fusarioides* (Berk.) Korf.

HOST/SUBSTRATE/LOCALITY:

- *Urtica dioica* L. (overwintered stems): Bukowa Góra res., Czerkies res., Jarugi res., Maziarki wild., Obrocz res., Zwierzyniec res. (Chmiel 1978); Szczebrzeszyn town (LBL M-7842, 22 March 1981, *leg. M. Chmiel*; LBL M-7844, 19 Apr. 1986, *leg. M. Chmiel*; LBL M-9578, 6 July 2003, *leg. M. Chmiel*; LBL M-9580, 15 Apr. 2004, *leg. M. Chmiel*; LBL M-9579, 30 May 2004, *leg. M. Chmiel*); Szczebrzeszyn town – Szperówka district (LBL M-7837, 3 May 1991, *leg. M. Chmiel*; LBL M-7631, 1 May 1994, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: herbaceous plants, roadsides, roadside ditch, loess ravine, old orchard, garden.

Callorina fusarioides → ***Calloria neglecta***

Calonectria De Not.

Calonectria pyrochroa (Desm.) Sacc.

SYNONYMS: *Fusarium pyrochroum* (Desm.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Aster* sp. L.: Górecko village (Garbowski 1935). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: garden.

NOTES: The fungus was collected in anamorphic stage.

Caloscypha Boud.***Caloscypha fulgens*** (Pers.) Boud.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Sałata 1972); Bukowa Góra res., Czerkies res. (Chmiel 1978); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.*Calycella citrina* → ***Bisporella citrina******Capitotricha*** (Raitv.) Baral***Capitotricha bicolor*** (Bull.) BaralSYNONYMS: *Dasyscyphus bicolor* (Bull.) Fuckel [as '*Dasyscypha*']

HOST/SUBSTRATE/LOCALITY:

- ***Quercus*** sp. (fallen twigs): Maziarki wild., Stokowa Góra wild. near Kosobudy village (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b, also incorrectly after Sałata 1972 and Chmiel 2006).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.***Capitotricha rubi*** (Bres.) BaralSYNONYMS: *Dasyscyphus bicolor* (Bull.) Fuck. var. *rubi* (Bres.) Dennis [as '*Dasyscypha*'], *Lachnum rubi* (Bres.) Raitv.

HOST/SUBSTRATE/LOCALITY:

- ***Rubus idaeus*** L. (dead stem): Obroc res. (Sałata 1972); Ulów village (LBL M-7669 and LBL M-12808, 2 June 1986, leg. M. Chmiel). Cited by Chmiel (1978, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Cenangium*** Fr.***Cenangium acicola*** (Fuckel) Rehm [as '*acicolum*']

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (fallen needles): Zwierzyniec town (LBL M-132 and LBL M-133, 27 Apr. 1987, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*.***Ceratocystis*** Ellis & Halst.***Ceratocystis pilifera*** (Fr.) C. MoreauSYNONYMS: *Ceratostoma piliferum* (Fr.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L.: Forests of the Zamoyski family estate (Gordziałowski 1899, as *Ceratostoma proliferum*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Ceratostoma piliferum → *Ceratocystis pilifera*

Ceratostoma proliferum → *Ceratocystis pilifera*

Cercospora Fresen.

NOTES: The fungi of genus *Cercospora* were collected in anamorphic stage.

Cercospora armoraciae Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Armoracia rusticana* P. Gaertn., B. Mey. & Scherb. [= *Armoracia lapathifolia* Gilib.]: Rogóżno village, Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: garden, roadside.

Cercospora beticola Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Beta vulgaris* L.: Tomaszów Lubelski town (Sałata 1991); Lubycza Królewska town (LBL M-21490, 31 July 1983, leg. A. Piotrowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: garden, farmland.

Cercospora carotae (Pass.) Kazn. & Siemaszko

HOST/SUBSTRATE/LOCALITY:

- *Daucus carota* L.: Tomaszów Lubelski town (Sałata 1991).

PLANT COMMUNITY/HABITAT: garden.

Cercospora chenopodii Fresen.

HOST/SUBSTRATE/LOCALITY:

- *Chenopodium album* L.: Narol town (Świdarska-Burek 2015).

PLANT COMMUNITY/HABITAT: lawn.

Cercospora microsora → *Mycosphaerella millegrana*

Chaetosphaeria Tul. & C. Tul.***Chaetosphaeria vermicularioides*** (Sacc. & Roum.) W. Gams & Hol.-Jech.

SYNONYMS: *Chloridium virescens* (Pers.) W. Gams & Hol.-Jech. var. *chlamydosporum* (J.F.H. Beyma) W. Gams & Hol.-Jech.

HOST/SUBSTRATE/LOCALITY:

- Wood: Roztocze NP – without precise location (Borowska 1986).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.

NOTES: The fungus was collected in anamorphic stage.

Chalara (Corda) Rabenh.***Chalara cylindrica*** P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Cones, bark, needles, wood of *Abies alba* Mill., *Picea abies* (L.) H. Karst. and *Pinus sylvestris* L.: Roztocze NP – without precise location (Borowska 1986).

PLANT COMMUNITY/HABITAT: not listed.

NOTES: The fungus was collected in anamorphic stage.

Cheilymenia Boud.***Cheilymenia crucipila*** → ***Scutellinia crucipila******Cheilymenia granulata*** (Bull.) J. Moravec

SYNONYMS: *Coprobina granulata* (Bull.) Boud.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Czerkies res. (Sałata 1972; LBL M-260, 2 Sept. 1982, leg. B. Sałata). Cited by Chmiel (1978, 2006), Sałata (1991), Domański (1997) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Eriophoro-Sphagnetum*.

Cheilymenia stercorea (Pers.) Boud.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obroc res. (Sałata 1972). Cited by Chmiel (1978, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Cheilymenia theleboides (Alb. & Schwein.) Boud.

SYNONYMS: *Cheilymenia theleboides* (Alb. & Schwein.) Boud. f. *magnifica* J. Moravec

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Szczebrzeszyn town (LBL M-147, 17 Oct. 1987, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: loess ravine.

Cheilymenia theleboloides f. *magnifica* → ***Cheilymenia theleboloides***

Cheilymenia vitellina (Pers.) Dennis

HOST/SUBSTRATE/LOCALITY:

- Soil (among *Urtica dioica* L.): Szczebrzeszyn town (LBL M-149, 22 July 1985, *leg. M. Chmiel*; LBL M-150, 20 Sept. 1986, *leg. M. Chmiel*; LBL M-151, 15 July 1990, *leg. M. Chmiel*; LBL M-153, 15 Aug. 1992, *leg. M. Chmiel*; LBL M-154, 8 Aug. 1993, *leg. M. Chmiel*; LBL M-7595, 17 Sept. 1994, *leg. M. Chmiel*; LBL M-7596, 8 Sept. 2001, *leg. M. Chmiel*; LBL M-9600, 6 July 2003, *leg. M. Chmiel*); Sąsiadka village (LBL M-152, 31 July 1991, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: loess ravine, roadside, ditch, old orchard, garden.

Chitonomyces Peyr.

Chitonomyces hydropori Thaxt.

HOST/SUBSTRATE/LOCALITY:

- ***Coelambus impressopunctatus*** (Schaller) (insects; Coleoptera): Józefów town (Majewski 1994). Cited by Majewski (2008) and Kozłowska *et al.* (2015b).
- ***Hydroporus umbrosus*** (Gyllenhal) (insects; Coleoptera): Józefów town (Majewski 1994). Cited by Majewski (2008) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Sphagnum* tuft in a small overgrowing water reservoir.

Chloridium virescens var. *chlamydosporum* → ***Chaetosphaeria vermicularioides***

Chlorociboria Seaver ex C.S. Ramamurthi, Korf & L.R. Batra

Chlorociboria aeruginosa (Oeder) Seaver ex C.S. Ramamurthi, Korf & L.R. Batra

SYNONYMS: *Chlorosplenium aeruginosum* (Oeder) De Not.

HOST/SUBSTRATE/LOCALITY:

- ***Alnus*** sp. (rotten wood): Czartowe Pole res. (Sałata 1991; LBL M-135, 20 July 1971, *leg. B. Sałata*).
- ***Fagus sylvatica*** L. (rotten logs and stumps): Bukowa Góra res. (Sałata 1972); Jarugi res. (Chmiel 1978); Kosobudy village (Sałata 1991). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- Wood of deciduous trees: Krasnobród town, Zwierzyniec town (Błoński 1896). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Quercus-Piceetum*.

Chlorosplenium aeruginosum → ***Chlorociboria aeruginosa***

Ciboria Fuckel**Ciboria amentacea** (Balb.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- *Alnus* sp. (female catkins): Zwierzyniec town – Stawy Echo ponds (LBL M-156, 2 Apr. 1968, leg. B. Sałata).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*.**Ciboria rufofusca** (O. Weberb.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen cones): Bukowa Góra res., Czerkies res., Obrocz res. (Sałata 1972; Chmiel 1978); between Panasówka village and Zwierzyniec town (Sałata & Bednarczyk 1977); Nart res., Zwierzyniec res. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994); Kruglik Forest Range – sect. 162 (LBL M-173, 23 March 1977, leg. M. Chmiel). Cited by Chmiel (1978, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, beech-fir forest, fir forest.*Cicinobolus cesatii* → *Ampelomyces quisqualis***Cistella** Quéf.**Cistella acuuum** (Alb. & Schwein.) SvrčekSYNONYMS: *Dasyscyphus acuuum* (Alb. & Schwein.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen needles): Bukowa Góra res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Pinus sylvestris* L. (fallen needles): Kawęczynek village near Szczebrzeszyn town (LBL M-7894, 14 Oct. 1992, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, loess ravine in mixed forest.**Cistella grevillei** (Berk.) Raitv.SYNONYMS: *Dasyscyphus grevillei* (Berk.) Masee

HOST/SUBSTRATE/LOCALITY:

- *Aegopodium podagraria* L. (stems): Szczebrzeszyn town (LBL M-7915, 16 June 1984, leg. M. Chmiel).
- *Arctium* sp. (stems): Szczebrzeszyn town (LBL M-7920, 20 Apr. 1986, leg. M. Chmiel).
- *Fagus sylvatica* L. (fallen cupules): Lubicza Królewska town (LBL M-7677, 3 June 1984, leg. M. Chmiel).
- *Helianthus annuus* L. (stems): Szczebrzeszyn town (LBL M-7641, 25 June 1999, leg. M. Chmiel).

- *Heracleum* sp. (petioles and stems): Szczepieszyn town (LBL M-7640, 2 May 1994, leg. M. Chmiel; LBL M-12836, 6 July 2003, leg. M. Chmiel; LBL M-12837, 30 May 2004, leg. M. Chmiel).
- *Urtica dioica* L. (overwintered stems): Szczepieszyn town (LBL M-7922, 2 June 1993, leg. M. Chmiel).
- Dead stems of herbaceous plants: Szczepieszyn town (LBL M-7916 and LBL M-7917, 16 June 1984, leg. M. Chmiel; LBL M-7918, 7 June 1986, leg. M. Chmiel; LBL M-7921, 26 Apr. 1987, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, ravine, old orchard, balk, garden.

Cladosporium Link

Cladosporium aecidiicola P. Thüm.

HOST/SUBSTRATE/LOCALITY:

- *Gymnosporangium cornutum* Arth. ex Kern. [fungi; on *Sorbus aucuparia* L. emend. Hedl.]: Roztocze NP – near Stawy Echo ponds (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Ochrospora ariae* (Fuck.) Ramsb. [fungi; on *Anemone nemorosa* L.]: Guciów village (Sałata 1991).
- *Puccinia coronata* Corda [fungi; on *Frangula alnus* Mill.]: Roztocze NP – near Stawy Echo ponds (Sałata 1991); Obrocze res. (LBL M-21648, 27 July 1984, leg. J. Balicka). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: alder forest, pine forest, thickets on margin of meadow.

NOTES: The fungus was collected in anamorphic stage. Information about the species occurrence in the Roztocze region was also provided in the paper by Chmiel *et al.* (1994).

Cladosporium herbarum (Pers.) Link

HOST/SUBSTRATE/LOCALITY:

- *Syringa vulgaris* L.: Kosobudy village (Sałata 1991).

PLANT COMMUNITY/HABITAT: roadside.

NOTES: The fungus was collected in anamorphic stage.

Claviceps Tul.

Claviceps purpurea (Fr.) Tul.

HOST/SUBSTRATE/LOCALITY:

- *Calamagrostis epigejos* (L.) Roth: Stoki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Dactylis glomerata* L.: Florianka wild. (Sałata 1991); Roztocze NP – sect. 108 (LBL M-186, 5 Sept. 1975, leg. B. Sałata). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).

- *Festuca gigantea* (L.) Vill.: Bukowa Góra res., Florianka wild., Jarugi res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Festuca pratensis* Huds.: Obroc village (Sałata 1991); Roztocze NP – near the Wieprz river (LBL M-195, 9 Sept. 1974, *leg. A. Jasińska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Festuca rubra* L.: Kruglik wild. (Sałata 1991); Zwierzyniec Forest Range – sect. 163 (LBL M-196, 5 Sept. 1975, *leg. J. Romaszewska-Sałata*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Secale cereale* L.: Siedliska village (LBL M-9765, 20 July 1993, *leg. B. Hypiak*).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, beech forests, forest glade, roadside in pine forest, meadow by the Wieprz river, farmland.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Coleroa Rabenh.

Coleroa chaetomium (Kuntze) Rabenh.

HOST/SUBSTRATE/LOCALITY:

- *Rubus plicatus* Weihe & Nees: Florianka wild., Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Rubus saxatilis* L.: Roztocze Środkowe region – without precise location (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: fir forest, oak forest, mixed forest.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Coleroa robertiani (Fr.) E. Müll.

SYNONYMS: *Stigmatea robertiani* (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Geranium robertianum* L.: Czerkies res. (Kochman & Sałata 1980); Obroc res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Colpoma Wallr.

Colpoma quercinum (Pers.) Wallr.

HOST/SUBSTRATE/LOCALITY:

- *Quercus* sp. (fallen twigs): Maziarki wild. (Chmiel 1978); Otrocz village (LBL M-7622, 19 Aug. 1996, leg. M. Chmiel); Szczebrzeszyn town (LBL M-9628, 3 May 2004, leg. M. Chmiel). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, loess ravine.

Coniochaeta (Sacc.) Cooke

Coniochaeta ligniaria (Grev.) Massee

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obroc village (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Coniochaeta scatigena (Berk. & Broome) Cain

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obroc village (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Coniothyrium Corda

Coniothyrium olivaceum Bonord.

SYNONYMS: *Microsphaeropsis olivacea* (Bonord.) Höhn.

HOST/SUBSTRATE/LOCALITY:

- *Padus serotina* (Ehrh.) Borkh.: near Hedwiżyn village, near Panasówka village (Ruszkiewicz-Michalska & Mułenko 2003). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest.

NOTES: The fungus was collected in anamorphic stage.

Coprobria granulata → *Cheilymenia granulata*

Coprotus Korf & Kimbr.

Coprotus glaucellus (Rehm) Kimbr.

SYNONYMS: *Ascophanus glaucellus* Rehm

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Chmiel (1978), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Coprotus lacteus (Cooke & W. Phillips) Kimbr., Luck-Allen & Cain

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Czerkies res. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Coprotus ochraceus*** (P. Crouan & H. Crouan) Kar. LarsenSYNONYMS: *Ascophanus ochraceus* (P. Crouan & H. Crouan) Boud.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: near Obroc res., near Stoki wild. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*.***Coprotus sexdecimsporus*** (P. Crouan & H. Crouan) Kimbr. & KorfSYNONYMS: *Ryparobius sexdecimsporus* (P. Crouan & H. Crouan) Sacc. [as '*Rhyparobius*']

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obroc village (Chmiel 1977); near Obroc res., near Stoki wild. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*.***Cordyceps*** Fr.*Cordyceps capitata* → ***Tolypocladium capitatum******Cordyceps militaris*** (L.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Pupa lying in mosses: Susiec village (Sałata 1969a). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: pine-fir forest.

Cordyceps ophioglossoides → ***Tolypocladium ophioglossoides****Cordyceps sphaecocephala* ['*sphaecophila*'] → ***Ophiocordyceps sphaecocephala******Cordyceps*** sp.

HOST/SUBSTRATE/LOCALITY:

- Dead wasp (insects; Hymenoptera): Bukowa Góra res. (LBL M-13877, 15 Oct. 1976, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: fir forest.

Coryne cylichnium → *Ascocoryne cylichnium*

Coryne sarcoides → *Ascocoryne sarcoides*

***Crocicreas* Fr.**

Crocicreas coronatum (Bull.) S.E. Carp.

SYNONYMS: *Cyathicula coronata* (Bull.) Rehm

HOST/SUBSTRATE/LOCALITY:

- Overwintered stems of herbaceous plants: Jarugi res. (Chmiel 1978); Bukowa Góra res., Czerkies res. (Sałata 1991); Brodzka Góra hill near Szczebrzeszyn town (LBL M-8120, 28 Sept. 1972, *leg. M. Chmiel*); Biała Góra hill near Tomaszów Lubelski town (LBL M-7874, 20 Aug. 1982, *leg. M. Chmiel*; LBL M-7875 and 7876, 26 Aug. 1982, *leg. M. Chmiel*); Szczebrzeszyn town (LBL M-7877, 20 Sept. 1983, *leg. M. Chmiel*; LBL M-7880 and LBL M-7881, 20 Oct. 1985, *leg. M. Chmiel*; LBL M-7632, 8 Sept. 2001, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, xerothermic grassland, ravine, old orchard.

Crocicreas culmicola (Desm.) S.E. Carp.

SYNONYMS: *Belonioscypha culmicola* (Desm.) Dennis

HOST/SUBSTRATE/LOCALITY:

- Grass stems: Brodzka Góra hill near Szczebrzeszyn town (LBL M-7833, 25 July 1984, *leg. M. Chmiel*; LBL M-7834, 7 June 1986, *leg. M. Chmiel*); Szczebrzeszyn town (LBL M-9641, 30 Aug. 2004, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: xerothermic grassland, fallow.

Crocicreas cyathoideum (Bull.) S.E. Carp.

SYNONYMS: *Cyathicula cyathoidea* (Bull.) Thüm.

HOST/SUBSTRATE/LOCALITY:

- ***Aegopodium podagraria*** L. (stems): Szczebrzeszyn town (LBL M-7947, 9 Aug. 1987, *leg. M. Chmiel*; LBL M-7634, 8 Sept. 2001, *leg. M. Chmiel*).
- ***Galinsoga*** sp. (stems): Szczebrzeszyn town (LBL M-7636, 23 Aug. 1993, *leg. M. Chmiel*).
- ***Geranium*** sp. (stems): Szczebrzeszyn town (LBL M-7885, 16 June 1984, *leg. M. Chmiel*).
- ***Helianthus*** sp. (stems): Szczebrzeszyn town (LBL M-7637, 25 June 1999, *leg. M. Chmiel*).
- ***Pteridium aquilinum*** (L.) Kuhn (ferns; petioles): Ulów village (LBL M-7708, 2 June 1986, *leg. M. Chmiel*).
- ***Secale cereale*** L. (stems): Szczebrzeszyn town (LBL M-7950, 27 June 1987, *leg. M. Chmiel*).
- ***Urtica dioica*** L. (stems): Szczebrzeszyn town (LBL M-7867, 9 July 1978, *leg. M. Chmiel*).
- Stems of herbaceous plants: Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Kamienna Góra wild. (Sałata 1991); Biała Góra hill near Tomaszów Lubelski town (LBL M-8316 and LBL M-8317, 26 Aug. 1982, *leg. M. Chmiel*; LBL M-9660, 24 Aug. 1994, *leg. M. Chmiel*); Brodzka Góra hill near Szczebrzeszyn town (LBL M-7883, 25 July 1984, *leg. M. Chmiel*); Hrebenne village (LBL M-7968, 3 June 1986, *leg. M. Chmiel*); Krasnobród town (LBL

M-253, 2 June 1986, *leg. M. Chmiel*); Lubycza Królewska town (LBL M-7967, 3 June 1986, *leg. M. Chmiel*); Nart-Czerkies res. (LBL M-355, 27 Apr. 1987, *leg. M. Chmiel*); Sąsiadka village (LBL M-7868, 31 July 1991, *leg. M. Chmiel*); Szczebrzeszyn town (LBL M-7884, 16 June 1984, *leg. M. Chmiel*; LBL M-7633 and LBL M-7635, 7 June 1986, *leg. M. Chmiel*; LBL M-7889, 27 June 1987, *leg. M. Chmiel*; LBL M-7869, 4 July 1992, *leg. M. Chmiel*; LBL M-9641, 30 Aug. 2004, *leg. M. Chmiel*); Szczebrzeszyn town – Szperówka district (LBL M-7887, 27 June 1986, *leg. M. Chmiel*); Topólcza village near Szczebrzeszyn town (LBL M-7886, 8 June 1986, *leg. M. Chmiel*); Zwierzyniec town (LBL M-354, 3 July 1987, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Peucedano-Pinetum*, fir forest, xerothermic grassland, loess ravine, old orchard, garden.

Crocicreas dolosellum (P. Karst.) S.E. Carp.

SYNONYMS: *Cyathicula dolosella* (P. Karst.) Dennis

HOST/SUBSTRATE/LOCALITY:

- ***Aegopodium podagraria*** L. (stems): Szczebrzeszyn town (LBL M-7891, 14 July 1984, *leg. M. Chmiel*).
- ***Fraxinus excelsior*** L. (petioles of fallen leaves): Szczebrzeszyn town (LBL M-7863 and LBL M-7864, 20 Oct. 1985, *leg. M. Chmiel*).
- ***Galinsoga*** sp. (stems): Szczebrzeszyn town (LBL M-7865, 23 Aug. 1993, *leg. M. Chmiel*).
- Stems of herbaceous plants: Szczebrzeszyn town (LBL M-7890, 16 June 1984, *leg. M. Chmiel*; LBL M-7892, 22 Sept. 1984, *leg. M. Chmiel*; LBL M-7893, 20 Oct. 1985, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: thickets in loess ravine, ravine, old orchard.

Crocicreas stramineum (Berk. & Broome) S.E. Carp.

HOST/SUBSTRATE/LOCALITY:

- ***Secale cereale*** L. (stems): Szczebrzeszyn town (LBL M-7952, 16 June 1984, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: roadside ditch.

Cryptomycina Höhn.

Cryptomycina pteridis (Rebent.) Höhn.

HOST/SUBSTRATE/LOCALITY:

- ***Pteridium aquilinum*** (L.) Kuhn (ferns; leaves): Bukowa Góra res., Jarugi res. (Chmiel 1978); Czerkies res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, pine forest.

Cudonia Fr.

Cudonia circinans (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

– Soil: Bukowa Góra res. (Domański 1999a).

PLANT COMMUNITY/HABITAT: forest margin.

Cyathicula coronata → ***Crocicreas coronatum***

Cyathicula cyathoidea → ***Crocicreas cyathoideum***

Cyathicula dolosella → ***Crocicreas dolosellum***

Cymadothea F.A. Wolf

Cymadothea trifolii (Pers.) F.A. Wolf

SYNONYMS: *Polythrincium trifolii* Kuntze

HOST/SUBSTRATE/LOCALITY:

– ***Trifolium repens*** L.: Bukowa Góra res., Guciów village, Obroc res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: forest glade, meadow, roadside.

NOTES: The fungus was collected in anamorphic stage.

Cytospora Ehrenb.

Cytospora populina (Pers.) C.M. Tian, X.L. Fan & K.D. Hyde

SYNONYMS: *Valsa ambiens* (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

– ***Acer pseudoplatanus*** L. (twigs): Kosobudy Forest Range (Chlebicki 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

NOTES: The fungus was collected in anamorphic stage.

Darluca filum → ***Sphaerellopsis filum***

Dasyscypha bicolor → ***Capitotricha bicolor***

Dasyscypha bicolor var. *rubi* → ***Capitotricha rubi***

Dasyscypha calyciformis → ***Lachnellula calyciformis***

Dasyscypha clandestina → ***Brunnipila clandestina***

Dasyscypha virginea → ***Lachnum virgineum***

Dasyscyphella

Dasyscyphella nivea (R. Hedw.) Raitv.

SYNONYMS: *Dasyscyphus niveus* (Hedw.) Sacc.

HOST/SUBSTRATE/LOCALITY:

– ***Pinus sylvestris*** L. (fallen cones): Zwierzyniec town (LBL M-536, 22 July 1977, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*.

- Dasyscyphus acuuum* → ***Cistella acuuum***
Dasyscyphus bicolor → ***Capitotricha bicolor***
Dasyscyphus bicolor var. *rubi* → ***Capitotricha rubi***
Dasyscyphus carneolus var. *longisporus* → ***Lachnum carneolum*** var. ***longisporum***
Dasyscyphus clandestinus → ***Brunnipila clandestina***
Dasyscyphus crystallinus → ***Lachnum crystallinum***
Dasyscyphus diminutus → ***Lachnum diminutum***
Dasyscyphus fascicularis → ***Lachnum fasciculare***
Dasyscyphus fuscescens → ***Lachnum fuscescens***
Dasyscyphus fuscescens var. *fagicola* → ***Lachnum fuscescens*** var. ***fagicola***
Dasyscyphus grevillei → ***Cistella grevillei***
Dasyscyphus mollissimus → ***Belonidium mollissimum***
Dasyscyphus nidulus → ***Lasiobelonium nidulum***
Dasyscyphus niveus → ***Dasyscyphella nivea***
Dasyscyphus nudipes → ***Lachnum nudipes***
Dasyscyphus palearum → ***Brunnipila palearum***
Dasyscyphus pudibundus → ***Lachnum pudibundum***
Dasyscyphus pudicellus → ***Lachnum tenuissimum***
Dasyscyphus pulverulentus → ***Lachnum pulverulentum***
Dasyscyphus pygmaeus → ***Lachnum pygmaeum***
Dasyscyphus rhytismatis → ***Lachnum rhytismatis***
Dasyscyphus roridus → ***Lachnum roridum***
Dasyscyphus sulphureus → ***Lachnum sulphureum***
Dasyscyphus tenuissimus → ***Lachnum tenuissimum***
Dasyscyphus virgineus → ***Lachnum virgineum***

Desmazierella Lib.

Desmazierella acicola Lib.

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (fallen needles): Bukowa Góra res., Obroc res. (Sałata 1972; Chmiel 1978); Zwierzyniec res. (Chmiel 1978); Szczepieszyn town (LBL M-12895, 30 May 2004, leg. M. Chmiel). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Peucedano-Pinetum*, *Vaccinio myrtilli-Pinetum*, loess ravine in pine forest.

Diaporthe Nitschke

Diaporthe acerina (Peck) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Acer pseudoplatanus*** L. (dead twigs): Kosobudy Forest Range – sect. 80 (Chlebicki 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

NOTES: The fungus was collected in anamorphic and teleomorphic stages.

Diatrype Fr.

Diatrype disciformis (Hoffm.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Acer pseudoplatanus* L. (dead twigs): Kosobudy Forest Range – sect. 80 (Chlebicki 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Diatrype stigma (Hoffm.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Acer pseudoplatanus* L. (fallen twigs): Kosobudy Forest Range (Chlebicki 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Didymaria didyma → *Ramularia didyma* var. *didyma*

Diplocarpon F.A. Wolf

Diplocarpon alpestri (Ces.) Rossman

SYNONYMS: *Bostrichonema alpestre* Ces.

HOST/SUBSTRATE/LOCALITY:

- *Polygonum bistorta* L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: wet meadow.

NOTES: The fungus was collected in anamorphic stage.

Diplocarpon rosae F.A. Wolf

SYNONYMS: *Marssonina rosae* (Lib.) Died.

HOST/SUBSTRATE/LOCALITY:

- *Rosa rubiginosa* L.: Kosobudy village (Sałata 1991).
- *Rosa* sp. (cult.): Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside, flowerbed.

NOTES: The fungus was collected in anamorphic stage. This species was also incorrectly reported from the Roztocze region, on *Rosa canina* L. by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

Discina (Fr.) Fr.***Discina ancilis*** (Pers.) Sacc.SYNONYMS: *Discina perlata* (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (dead trunks, rotten stumps): Bukowa Góra res. (Sałata 1969a, 1972; Chmiel 1978); Obroc res. (Sałata 1969a, 1972). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, beech-fir forest.*Discina gigas* → ***Gyromitra gigas****Discina perlata* → ***Discina ancilis****Discula umbrinella* → ***Apiognomonium errabunda******Drepanopeziza*** (Kleb.) Jaap***Drepanopeziza ribis*** (Kleb.) Höhn.SYNONYMS: *Gloeosporidiella ribis* (Lib.) Petr.

HOST/SUBSTRATE/LOCALITY:

- ***Ribes alpinum*** L.: Narol town (LBL M-23800, 30 Sept. 1992, *leg. B. Hypiak*).
- ***Ribes rubrum*** L.: Hrebenne village (LBL M-23801, 15 July 1992, *leg. B. Hypiak*).
- ***Ribes spicatum*** E. Robson: Narol town (LBL M-23802, 23 Oct. 1992, *leg. B. Hypiak*).

PLANT COMMUNITY/HABITAT: roadsides, garden.

NOTES: The fungus was collected in anamorphic stage.

Dumontinia L.M. Kohn***Dumontinia tuberosa*** (Bull.) L.M. KohnSYNONYMS: *Sclerotinia tuberosa* (Hedw.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- ***Anemone nemorosa*** L.: Nart res., Obroc res. (Sałata 1972); Czerkies res., Jarugi res. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Durella*** Tul. & C. Tul.***Durella commutata*** Fuckel

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (wood): Obroc res. (Chmiel 1978). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Ecteinomyces Thaxt.***Ecteinomyces trichopterophilus*** Thaxt.

HOST/SUBSTRATE/LOCALITY:

- *Acrotrichis grandicollis* (Mannerheimer) (insects; Coleoptera): Dąbrowa Tomaszowska village (Majewski 2008). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: horse faeces in a pasture.

Elaphomyces Nees***Elaphomyces asperulus*** Vittad.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1969a, 1972; Ławrynowicz 1989); Czerkies res. (Sałata 1972); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Elaphomyces granulatus*** Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Beżec village (Sałata 1967).

PLANT COMMUNITY/HABITAT: oak forest with admixture of hornbeam.

Elaphomyces muricatus Fr.SYNONYMS: *Elaphomyces variegatus* Vittad.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1972; Ławrynowicz 1989); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.*Elaphomyces variegatus* → ***Elaphomyces muricatus******Elsinoë*** Racib.***Elsinoë pyri*** (Woron.) JenkinsSYNONYMS: *Sphaceloma pyrinum* Jenkins [as 'pirinum']

HOST/SUBSTRATE/LOCALITY:

- *Pyrus communis* L.: Hrebenne village (LBL M-23797, 3 Aug. 1992, leg. B. Hypiak).

PLANT COMMUNITY/HABITAT: thickets.

NOTES: The fungus was collected in anamorphic stage.

Encoelia (Fr.) P. Karst.

Encoelia fascicularis (Alb. & Schwein.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L. (fallen twigs): Nart-Czerkies res. (LBL M-640 and LBL M-641, 27 Apr. 1987, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Endoconospora Gjaerum

Endoconospora cerastii Gjaerum

HOST/SUBSTRATE/LOCALITY:

- *Cerastium holosteoides* Fr. emend. Hyl. [= *Cerastium fontanum* Baumg. subsp. *triviale* (Link) Jalas]: Roztocze NP – without precise location (Chmiel *et al.* 1994).

PLANT COMMUNITY/HABITAT: not listed.

Erysiphe R. Hedw. ex DC.

Erysiphe adunca (Wallr.) Fr.

SYNONYMS: *Uncinula adunca* (Wallr.) Lév.

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L.: Majdan Górny village (Romaszewska-Sałata 1977).
- *Salix caprea* L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest.

Erysiphe alphitoides (Griffon & Maubl.) U. Braun & S. Takam.

SYNONYMS: *Microsphaera alphitoides* Griffon & Maubl.

HOST/SUBSTRATE/LOCALITY:

- *Quercus petraea* (Matt.) Liebl. [= *Quercus sessilis* Ehrh.]: Obroc res. (Sałata & Romaszewska-Sałata 1969); Roztocze region – without precise location (Sałata 1985); near Obroc res., Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Kosobudy village (LBL M-3779, 6 Oct. 1979, leg. T. Brach); Nad Tanwią res. (LBL M-10101, 30 Aug. 1981, leg. L. Czyżewska). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Quercus robur* L.: Czerkies res., Potoczek village near Krasnobród town, Stokowa Góra wild. near Kosobudy village, Zwierzyniec town (Sałata & Romaszewska-Sałata 1969); Majdan Górny village (Romaszewska-Sałata 1977); Bukowa Góra res., Florianka wild., Jarugi res., Maziarki wild., Nart res., Obroc res., Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Biała Góra hill near Tomaszów Lubelski town (LBL M-3839, 30 Sept. 1971, leg. J. Romaszewska-Sałata); Dąbrowa Tomaszowska village (LBL M-12459, 12 Oct. 1981, leg. A. Piotrowska); Hrebenne village (LBL M-11635, 20 Aug. 1991, leg. B. Hypiak; LBL M-11634, 15 July 1992, leg. B. Hypiak); Józefów town (LBL M-3788, 28 Sept. 1966, leg. B. Sałata); Nad Tanwią res. (LBL M-10014, 26 June 1981, leg. L. Czyżewska);

Rybnica village near Susiec village (LBL M-3834, 17 Sept. 1971, *leg. J. Romaszewska-Sałata*); Szczepieszyn town – Szperówka district (LBL M-3916, 10 Oct. 1977, *leg. A. Poświatowska*); Zwierzyniec Forest Range – sect. 104 (LBL M-3911, 22 Oct. 1977, *leg. J. Romaszewska-Sałata*); Zwierzyniec town – Rudka district (LBL M-3705, 14 Oct. 1979, *leg. T. Brach*). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, *Tilio-Carpinetum*, oak-hornbeam forest, pine forest, pine-oak forest, deciduous forest, mixed forest, forest margin, thickets.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Erysiphe aquilegiae* DC. var. *aquilegiae

HOST/SUBSTRATE/LOCALITY:

- *Actaea spicata* L.: Bukowa Góra res., Czerkies res., Obrocz res. (Sałata & Romaszewska-Sałata 1969); Roztocze region – without precise location (Sałata 1985); Nart res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Aquilegia vulgaris* L.: Kosobudy village, Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Caltha palustris* L.: Stoki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: alder forest by the Wieprz river, beech forest, forest glade, garden.

***Erysiphe aquilegiae* var. *ranunculi* (Grev.) R.Y. Zheng & G.Q. Chen**

SYNONYMS: *Erysiphe ranunculi* Grev.

HOST/SUBSTRATE/LOCALITY:

- *Consolida ajacis* (L.) Schur: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Ranunculus acris* L. [= *Ranunculus acer* L.]: Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1969); Obrocz village (Sałata 1991); Lubycza Królewska town (LBL M-12450, 6 Sept. 1982, *leg. A. Piotrowska*); Stoki wild. (LBL M-2504, 8 Sept. 1974, *leg. A. Jasińska*; LBL M-2514, 13 Oct. 1977, *leg. B. Sałata*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Ranunculus bulbosus* L.: Bukowa Góra res. (Sałata 1985); Tomaszów Lubelski town (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Ranunculus flammula* L.: Borowina village near Józefów town (Sałata & Romaszewska-Sałata 1969); Józefów town (Sałata 1985). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Ranunculus repens* L.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1969; Sałata 1991); Horodzisko wild. (Sałata 1991); Nad Tanwią res. (LBL M-10198, 5 Oct. 1981, *leg. L. Czyżewska*); Tomaszów Lubelski town (LBL M-12451, 11 Sept. 1983, *leg. A. Piotrowska*); Żyłka village near Bełżec village (LBL M-2599, 25 Oct. 1989, *leg. A. Dudzik*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, young pine forest, forests margins (incl. pine forest), wet meadow, garden, lawn, roadside.

Erysiphe artemisiae → ***Golovinomyces artemisiae***

Erysiphe asperifoliorum → ***Golovinomyces cynoglossi***

Erysiphe astragali DC.

SYNONYMS: *Microsphaera astragali* (DC.) Trev.

HOST/SUBSTRATE/LOCALITY:

- ***Astragalus glycyphyllos*** L.: Tomaszów Lubelski town (Błoński 1896); Borowina village near Józefów town, Horodyszczce wild. near Kosobudy village, Józefów town, Obrocz res., Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1969); Majdan Górny village (Romaszewska-Sałata 1977); Bukowa Góra res., Guciów village, Jarugi res., Maziarki wild., Obrocz village, Tomaszów Lubelski town (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Biała Góra hill near Tomaszów Lubelski town (LBL M-3961, 30 Sept. 1971, *leg. J. Romaszewska-Sałata*; LBL M-4021, 26 Aug. 1982, *leg. J. Romaszewska-Sałata*); Kosobudy village (LBL M-3933, 28 Sept. 1966, *leg. S. Łącka*); Koszele village near Susiec village (LBL M-3954, 18 Sept. 1971, *leg. J. Romaszewska-Sałata*); Nad Tanwią res. (LBL M-10210, 5 Oct. 1981, *leg. L. Czyżewska*); Narol town (LBL M-11636, 20 Aug. 1992, *leg. B. Hypiak*); Stoki wild. (LBL M-3976, 17 Aug. 1974, *leg. A. Jasińska*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Inuletum ensifoliae*, fir forest, young oak forest, forest margins (fir, fir-beech and others), along a road in pine forest, forest glade, roadside, thickets (with black thorn and by the quarry), railway embankment.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Erysiphe berberidis DC.

SYNONYMS: *Microsphaera berberidis* (DC.) Lév.

HOST/SUBSTRATE/LOCALITY:

- ***Berberis vulgaris*** L.: Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1969); Maziarki wild. (Sałata 1991). Cited by Sałata & Majewski (1976), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: forests margins (incl. pine forest).

Erysiphe biocellata → ***Golovinomyces biocellatus***

Erysiphe buhrii U. Braun

HOST/SUBSTRATE/LOCALITY:

- ***Melandrium album*** (Mill.) Garcke: Tomaszów Lubelski town (Sałata 1991).

PLANT COMMUNITY/HABITAT: garden.

Erysiphe cichoracearum → ***Golovinomyces cichoracearum***

Erysiphe cichoracearum (on *Achillea millefolium*) → ***Golovinomyces macrocarpus***

Erysiphe cichoracearum (on *Centaurea jacea*, *Cirsium arvense*, *Cirsium oleraceum*, *Cirsium vulgare*) → ***Golovinomyces montagnei***

Erysiphe cichoracearum (on *Centaurea montana*) → ***Golovinomyces depressus***

Erysiphe cichoracearum (on *Cucumis sativus*, *Cucurbita pepo*, *Chamomilla suaveolens*, *Viola tricolor*) → ***Golovinomyces orontii***

Erysiphe cichoracearum (on *Eupatorium cannabinum*) → ***Golovinomyces circumfusus***

Erysiphe cichoracearum (on *Rudbeckia laciniata*) → ***Golovinomyces ambrosiae***

Erysiphe cichoracearum (on *Solidago gigantea*) → ***Golovinomyces asterum* var. *solidaginis***

Erysiphe cichoracearum (on *Sonchus arvensis*, *Sonchus oleraceus*) → ***Golovinomyces sonchicola***

Erysiphe cichoracearum var. *cichoracearum* (on *Senecio rivularis*) → ***Golovinomyces senecionis***

***Erysiphe circaeae* L. Junell**

HOST/SUBSTRATE/LOCALITY:

- ***Circaea lutetiana* L.**: Bukowa Góra res., Obroc res. (Sałata & Romaszewska-Sałata 1969); Roztocze region – without precise location (Sałata 1985); Żyłka village near Belżec village (LBL M-1314, 25 Oct. 1989, leg. A. Dudzik). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest, beech-fir forest.

Erysiphe communis (on *Ononis arvensis*) → ***Erysiphe pisi* var. *cruchetiana***

Erysiphe communis (on *Polygonum aviculare*) → ***Erysiphe polygoni***

***Erysiphe convolvuli* DC.**

HOST/SUBSTRATE/LOCALITY:

- ***Convolvulus arvensis* L.**: Bukowa Góra res., Kosobudy village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: forests margins.

Erysiphe cruchetiana → ***Erysiphe pisi* var. *cruchetiana***

***Erysiphe cruciferarum* Opiz ex L. Junell**

HOST/SUBSTRATE/LOCALITY:

- ***Alyssum alyssoides* (L.) L.** [= *Alyssum calycinum* L.]: Józefów town (Sałata & Romaszewska-Sałata 1969; Sałata 1985). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Armoracia rusticana* P. Gaertn., B. Mey. & Scherb.** [= *Armoracia lapathifolia* Gilib.]: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Fumaria officinalis* L.**: Chełmowa Góra res. near Krasnobród town (Świdarska *et al.* 2005). Cited by Kozłowska *et al.* (2015b).
- ***Sisymbrium officinale* (L.) Scop.**: Tomaszów Lubelski town (LBL M-12424, 6 Oct. 1981, leg. A. Piotrowska).

PLANT COMMUNITY/HABITAT: roadside in mixed forest, gardens.

Erysiphe cynoglossi → ***Golovinomyces cynoglossi***

Erysiphe depressa → ***Golovinomyces depressus***

Erysiphe divaricata (Wallr.) Schltldl.

SYNONYMS: *Microsphaera divaricata* (Wallr.) Lév.

HOST/SUBSTRATE/LOCALITY:

- ***Frangula alnus*** Mill.: Borowina village near Józefów town, Józefów town, Zwierzyniec town (Sałata & Romaszewska-Sałata 1969); Kruglik wild., Maziarki wild., Obrocz village, Roztocze NP – near Stawy Echo ponds, Stoki wild., Zwierzyniec town – Biały Słup district (Sałata 1991); Czerkies res. (LBL M-4144, 14 Oct. 1978, leg. J. Romaszewska-Sałata); Hedwiżyn village (LBL M-4109, 9 Oct. 1967, leg. B. Sałata); Nad Tanwią res. (LBL M-10460, 13 July 1981, leg. L. Czyżewska; LBL M-10461, 25 July 1981, leg. L. Czyżewska); Szczebrzeszyn town – Szperówka district (LBL M-4136, 22 July 1977, leg. A. Poświatowska). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, pine forest, deciduous forest, forest glade, thickets (by the river and in other places).

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Erysiphe euonymi DC.

SYNONYMS: *Microsphaera euonymi* (DC.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Euonymus europaea*** L.: Maziarki wild., Obrocz village, Zwierzyniec town (Sałata 1991); Lubycza Królewska town (LBL M-12463, 24 Sept. 1982, leg. A. Piotrowska); Nad Tanwią res. (LBL M-10475, 2 Aug. 1981, leg. L. Czyżewska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: mixed forest, meadow, thickets.

Erysiphe fischeri → ***Golovinomyces fischeri***

Erysiphe friesii (Lév.) U. Braun & S. Takam.

SYNONYMS: *Microsphaera friesii* Lév.

HOST/SUBSTRATE/LOCALITY:

- ***Rhamnus cathartica*** L.: Józefów town (Sałata & Romaszewska-Sałata 1969); Biała Góra hill near Tomaszów Lubelski town (LBL M-4260, 26 Aug. 1982, leg. J. Romaszewska-Sałata). Cited by Sałata & Majewski (1976, on *Rhamnus catharticus* L.), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano cervariae-Coryletum*, thickets by the quarry.

Erysiphe galeopsidis → ***Neoerysiphe galeopsidis***

Erysiphe galii → *Neoërysiphe galii*

Erysiphe graminis → *Blumeria graminis*

Erysiphe grossulariae (Wallr.) de Bary

SYNONYMS: *Microsphaera grossulariae* (Wallr.) Lév.

HOST/SUBSTRATE/LOCALITY:

- *Ribes uva-crispa* L.: Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: fir forest.

Erysiphe heraclei DC.

HOST/SUBSTRATE/LOCALITY:

- *Angelica sylvestris* L.: Nad Tanwią res. (LBL M-10558, 5 Oct. 1981, *leg. L. Czyżewska*).
- *Chaerophyllum aromaticum* L.: Jarugi res. (Sałata 1991); Biała Góra hill near Tomaszów Lubelski town (LBL M-2110 and LBL M-2111, 26 Aug. 1982, *leg. J. Romaszewska-Sałata*); Nad Tanwią res. (LBL M-10569, 3 Aug. 1981, *leg. L. Czyżewska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Heracleum sibiricum* L.: Guciów village, Maziarki wild., Obroc village, Zwierzyniec town (Sałata 1991); Dąbrowa Tomaszowska village (LBL M-12439, 4 Aug. 1982, *leg. A. Piotrowska*); Hrebenne village (LBL M-11676, 15 July 1992, *leg. B. Hypiak*); Lubycza Królewska town (LBL M-12440, 21 Oct. 1983, *leg. A. Piotrowska*); Narol town (LBL M-11678, 10 Oct. 1992, *leg. B. Hypiak*); Zaburze village near Szczebrzeszyn town (LBL M-2040, 30 Sept. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Heracleum sphondylium* L.: Goraj village, Zwierzyniec town (Sałata & Romaszewska-Sałata 1969); Obroc village, Rogóźno village (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Petroselinum crispum* (Mill.) A. W. Hill [= *Petroselinum sativum* Hoffm.]: Tomaszów Lubelski town (Sałata 1991); Lubycza Królewska town (LBL M-12442, 29 Aug. 1983, *leg. A. Piotrowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Pimpinella major* (L.) Huds.: Zwierzyniec town – Biały Słup district (Sałata 1991).
- *Torilis japonica* (Houtt.) DC.: Bukowa Góra res., Jeziernia village near Tomaszów Lubelski town (Sałata 1991); Józefów town (LBL M-2092, 30 July 1976, *leg. M. Bednarczyk*); Narol town (LBL M-11678, 10 Oct. 1992, *leg. B. Hypiak*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: *Peucedano cervariae-Coryletum*, pine forest, forests margins, thickets, meadows (dry and others), roadsides, roadside ditch, garden, at the fence.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Mułenko *et al.* (2015).

Erysiphe hyperici (Wallr.) S. Blumer

HOST/SUBSTRATE/LOCALITY:

- ***Hypericum maculatum*** Crantz: Guciów village, Maziarki wild., Obroc village, Zwierzyniec town – Rudka district (Sałata 1991); Narol town (LBL M-11679, 17 Sept. 1992, leg. B. Hypiak); Paary village near Susiec village (LBL M-2171, 17 Sept. 1971, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Hypericum perforatum*** L.: Bukowa Góra res., Zwierzyniec town – Rudka district (Sałata & Romaszewska-Sałata 1969); Majdan Górny village (Romaszewska-Sałata 1977); Krasnobród town, Maziarki wild., Obroc village (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Biała Góra hill near Tomaszów Lubelski town (LBL M-2196, 30 Sept. 1971, leg. J. Romaszewska-Sałata); Jarugi res. (LBL M-2213, 23 Sept. 1979, leg. T. Brach); Nad Tanwią res. (LBL M-10657 and LBL M-10658, 23 Aug. 1981, leg. L. Czyżewska); Zaburze village near Szczebrzeszyn town (LBL M-2200, 9 Oct. 1977, leg. A. Poświatowska); Zwierzyniec town (LBL M-2211, 12 July 1979, leg. T. Brach). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Hypericum perforatum*** L. × ***H. maculatum*** Crantz: Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, *Tilio-Carpinetum*, pine forest, forest glades (in fir, fir-beech and other types of forests), forests margins, meadows, thickets (with black thorn, dry and others), bank of the river, roadsides.

Erysiphe hypophylla (Nevod.) U. Braun & Cunnington

SYNONYMS: *Microsphaera hypophylla* Nevod.

HOST/SUBSTRATE/LOCALITY:

- ***Quercus petraea*** (Matt.) Liebl. [= *Quercus sessilis* Ehrh.]: Zwierzyniec town (Sałata & Romaszewska-Sałata 1969; Sałata 1985). Cited by Sałata & Majewski (1976), Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Quercus robur*** L.: Józefów town (Sałata & Romaszewska-Sałata 1969; Sałata 1985); Lipowiec village near Szczebrzeszyn town (LBL M-4295, 9 Oct. 1977, leg. A. Poświatowska); Zwierzyniec town (LBL M-4296, 14 Oct. 1979, leg. T. Brach). Cited by Sałata & Majewski (1976), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, pine forest, margin of pine forest, deciduous forest.

Erysiphe knautiae Duby

HOST/SUBSTRATE/LOCALITY:

- ***Knautia arvensis*** (L.) J.M. Coult.: Kosobudy village (Sałata 1991); Dzielce village near Szczebrzeszyn town (LBL M-2246, 18 Aug. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: forest margin, roadside.

Erysiphe magnicellulata → *Golovinomyces magnicellulatus* var. *magnicellulatus*

Erysiphe martii → *Erysiphe trifoliorum*

Erysiphe mayori S. Blumer

HOST/SUBSTRATE/LOCALITY:

- *Cirsium arvense* (L.) Scop.: Obrocz res. (Sałata & Romaszewska-Sałata 1969). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: forest glade.

Erysiphe palczewskii (Jacz.) U. Braun & S. Takam.

SYNONYMS: *Microsphaera palczewskii* Jacz.

HOST/SUBSTRATE/LOCALITY:

- *Caragana arborescens* Lam.: Kosobudy village, Narol town, Tomaszów Lubelski town (Romaszewska-Sałata *et al.* 1986). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: hedges.

Erysiphe pisi DC. var. *cruchetiana* (S. Blumer) U. Braun

SYNONYMS: *Erysiphe communis* auct. p.p., *Erysiphe cruchetiana* S. Blumer

HOST/SUBSTRATE/LOCALITY:

- *Ononis arvensis* L.: Zwierzyniec town (Błoński 1896); Brody village near Szczepreszyn town (Romaszewska-Sałata 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Erysiphe pisi var. *pisi*

HOST/SUBSTRATE/LOCALITY:

- *Medicago falcata* L.: Józefów town (Sałata & Romaszewska-Sałata 1969); Brody village near Szczepreszyn town (Romaszewska-Sałata 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Pisum sativum* L.: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Vicia cracca* L.: Józefów town (Sałata & Romaszewska-Sałata 1969); Brody village near Szczepreszyn town (Romaszewska-Sałata 1977); Bukowa Góra res., Maziarki wild. (Sałata 1991); Gorajec-Stara Wieś village (LBL M-2366, 19 Oct. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest, sunny slope (by the quarry), garden, roadside, farmland.

***Erysiphe polygoni* DC.**SYNONYMS: *Erysiphe communis* auct. p.p.

HOST/SUBSTRATE/LOCALITY:

- ***Fallopia convolvulus*** (L.) Á. Löve [= *Polygonum convolvulus* L.]: Nad Tanwią res. (LBL M-10260, 15 July 1981, leg. L. Czyżewska).
- ***Polygonum aviculare*** L.: Bondyż village (Błoński 1896); Jarugi res., Obrocż village, Stoki wild., Tomaszów Lubelski town, Zielone village (Sałata 1991); Hrebenne village (LBL M-11681, 20 Aug. 1992, leg. B. Hypiak); Nad Tanwią res. (LBL M-10227, 6 July 1982, leg. L. Czyżewska; LBL M-10228, 5 Aug. 1982, leg. L. Czyżewska). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Polygonum hydropiper*** L.: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Rumex acetosella*** L.: Józefów town (Sałata & Romaszewska-Sałata 1969); Jarugi res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest, garden, roadside, slope of hill, path, thickets by the Tanew river.

Erysiphe ranunculi → *Erysiphe aquilegiae* var. *ranunculi****Erysiphe russellii*** (Clinton) U. Braun & S. Takam.

HOST/SUBSTRATE/LOCALITY:

- ***Oxalis fontana*** Bunge [= *Oxalis stricta* L.]: Tomaszów Lubelski town (Sałata 1991, as *Oidium oxalidis* McAlpine). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: forest margin.

NOTES: The fungus was collected in anamorphic stage.

Erysiphe salviae → *Golovinomyces biocellatus**Erysiphe sordida* → *Golovinomyces sordidus*

Erysiphe thesii L. Junell on *Thesium linophyllum* L. NOTES: The fungus was incorrectly listed by Kozłowska *et al.* (2015b) who cited data of Romaszewska-Sałata (1975) and Sałata (1985). However, the last authors did not report this species from the Roztocze region.

Erysiphe tortilis (Wallr.) LinkSYNONYMS: *Microsphaera tortilis* (Wallr.) Speer

HOST/SUBSTRATE/LOCALITY:

- ***Cornus sanguinea*** L.: Józefów town, Zwierzyniec town (Sałata & Romaszewska-Sałata 1969); Kamienna Góra wild., Maziarki wild., Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Nad Tanwią res. (LBL M-10669, 5 Oct. 1981, leg. L. Czyżewska); Zwierzyniec Forest Range (LBL M-2751 and LBL M-2753, 22 Oct. 1977, leg. J. Romaszewska-Sałata). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: forests margins, park, thickets.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Erysiphe trifolii → *Erysiphe trifoliorum*

Erysiphe trifoliorum (Wallr.) U. Braun

SYNONYMS: *Erysiphe martii* Lév., *Erysiphe trifolii* Grev.

HOST/SUBSTRATE/LOCALITY:

- *Caragana arborescens* Lam.: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Coronilla varia* L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Lathyrus pratensis* L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Lotus corniculatus* L.: Tomaszów Lubelski town (Sałata 1991); Hrebenne village (LBL M-11686, 15 July 1992, *leg. B. Hypiak*). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Lupinus polyphyllus* Lindl.: Potoczek near Krasnobród town, Stokowa Góra wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1969); Horodzisko wild., Jarugi res., Kamienna Góra wild., Tomaszów Lubelski town (Sałata 1991); Hamernia village near Józefów town (LBL M-2829 and LBL M-2830, 20 July 1971, *leg. J. Romaszewska-Sałata*); Kosobudy village (LBL M-2950, 2 Oct. 1979, *leg. T. Brach*); Nad Tanwią res. (LBL M-10701, 10 Aug. 1981, *leg. L. Czyżewska*); Prof. Zygmunt Czubiński Reserve (LBL M-2836, 29 Oct. 1974, *leg. A. Jasińska*); Stoki wild. (LBL M-2837, 1 Aug. 1974, *leg. A. Jasińska*). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Melilotus alba* Medik. [= *Melilotus albus* Medik.]: Biała Góra hill near Tomaszów Lubelski town (LBL M-12457, 18 June 1982, *leg. A. Piotrowska*).
- *Melilotus officinalis* (L.) Pall.: Nowiny Horynieckie village (LBL M-11687, 15 July 1992, *leg. B. Hypiak*).
- *Melilotus* sp.: Lubyca Królewska town (LBL M-12458, 4 Oct. 1983, *leg. A. Piotrowska*).
- *Onobrychis viciifolia* Scop. [as ‘*viciaefolia*’]: Majdan Górny village (Romaszewska-Sałata 1977); Biała Góra hill near Tomaszów Lubelski town (LBL M-2877, 30 Sept. 1971, *leg. J. Romaszewska-Sałata*; LBL M-2990, 26 Aug. 1982, *leg. J. Romaszewska-Sałata*). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Robinia pseudoacacia* L.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1969; Sałata 1985). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Trifolium campestre* Schreb.: Bukowa Góra res. (LBL M-2996, 12 Sept. 1980, *leg. J. Romaszewska-Sałata*).
- *Trifolium dubium* Sibth. [= *Trifolium filiforme* L.]: Bondyrz village (Błoński 1896); Bukowa Góra res. (Sałata 1991). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

- *Trifolium medium* L.: Józefów town (Sałata & Romaszewska-Sałata 1969); Majdan Górny village (Romaszewska-Sałata 1977); Bukowa Góra res. (Sałata 1991); Biała Góra hill near Tomaszów Lubelski town (LBL M-2897, 30 Sept. 1971, *leg. J. Romaszewska-Sałata*; LBL M-3020, 26 Aug. 1982, *leg. J. Romaszewska-Sałata*); Nad Tanwią res. (LBL M-10757, 18 June 1980, *leg. L. Czyżewska*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Trifolium pratense* L.: Gorajec Zagroble village (LBL M-2921, 30 Aug. 1977, *leg. A. Poświętowska*).

PLANT COMMUNITY/HABITAT: roadside in *Abietetum polonicum*, *Brachypodium pinnatum*, *Inuletum ensifoliae*, *Peucedano-Pinetum*, glade in fir forest, young oak forest, roadside in pine forest, grassy forest glades (in fir, beech and other types of forests), forests margins, meadow, thickets along a roads, roadsides (on meadow, grassy and others), hedge, garden.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Romaszewska-Sałata (1981), Chmiel *et al.* (1994) and Mułenko *et al.* (2015).

Erysiphe urticae (Wallr.) S. Blumer

HOST/SUBSTRATE/LOCALITY:

- *Urtica dioica* L.: Bukowa Góra res. (Sałata & Romaszewska-Sałata 1969); Obroc res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: forest margin, roadsides.

Erysiphe vanbruntiana (Gerard) U. Braun & S. Takam.

SYNONYMS: *Microsphaera vanbruntiana* Gerard

HOST/SUBSTRATE/LOCALITY:

- *Sambucus racemosa* L.: Bukowa Góra res., Maziarki wild. (Romaszewska-Sałata *et al.* 1986); Roztocze NP – without precise location (Chmiel *et al.* 1994; Mułenko *et al.* 2013); Hrebenne village (LBL M-11666, 20 Aug. 1991, *leg. B. Hypiak*); Nad Tanwią res. (LBL M-10813, 23 Aug. 1981, *leg. L. Czyżewska*). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: beech forest, fir forest, mixed forest, thickets.

Erysiphe verbasci → *Golovinomyces verbasci*

Erysiphe viburni Duby

SYNONYMS: *Microsphaera hedwigii* Lév., *Microsphaera viburni* (Duby) Blumer

HOST/SUBSTRATE/LOCALITY:

- *Viburnum opulus* L.: Lubyca Królewska town (Kochman 1959); Roztocze region – without precise location (Sałata 1985); Stoki wild. (Sałata 1991); Biała Góra hill near Tomaszów Lubelski town (LBL M-4396, 26 Aug. 1982, *leg. J. Romaszewska-Sałata*). Cited by Sałata & Majewski (1976), Romaszewska-Sałata & Sałata (1978) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano cervariae-Coryletum*, wet thickets.

Eusynaptomyces Thaxt.*Eusynaptomyces enochri* Scheloske

HOST/SUBSTRATE/LOCALITY:

- *Enochrus affinis* (Thunberg) (insects; Coleoptera): Bełzec village (Majewski 2008). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: bank of an overgrown lake.

Eutypa Tul. & C. Tul.*Eutypa acharii* → *Eutypa maura**Eutypa maura* (Fr.) Sacc.SYNONYMS: *Eutypa acharii* Tul. & C. Tul.

HOST/SUBSTRATE/LOCALITY:

- *Acer pseudoplatanus* L. (dead twigs): Kosobudy Forest Range – sect. 80 (Chlebicki 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Eutypella* (Nitschke) Sacc.*Eutypella ?acericola* (De Not.) Berl.

HOST/SUBSTRATE/LOCALITY:

- *Acer pseudoplatanus* L. (fallen twigs): Kosobudy Forest Range – sect. 80 (Chlebicki 1988, in the paper the fungus was listed with questionmark). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Fumago* Pers.*Fumago vagans* Pers.

HOST/SUBSTRATE/LOCALITY:

- *Rubus plicatus* Weihe & Nees: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Salix cinerea* L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Salix triandra* L. [= *Salix amygdalina* L.]: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Tilia cordata* Mill.: Tomaszów Lubelski town (Sałata 1991).

PLANT COMMUNITY/HABITAT: thickets (in oxbow lake of the river, along roads and in other places).

NOTES: The fungus was collected in anamorphic stage.

Fusarium pyrochroum → ***Calonectria pyrochroa***

Fusicladium pyrorum → ***Venturia pyrina***

Geopora Harkn.

Geopora arenicola (Lév.) Kers

SYNONYMS: *Sepultaria arenicola* (Lév.) Masee

HOST/SUBSTRATE/LOCALITY:

- Soil: Topólcza village near Szczebrzeszyn town (LBL M-5541, 7 June 1986, leg. *M. Chmiel*; LBL M-7597, 8 Sept. 1994, leg. *M. Chmiel*).

PLANT COMMUNITY/HABITAT: loess ravine.

Geopyxis (Pers.) Sacc.

Geopyxis carbonaria (Alb. & Schwein.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Jarugi res., Maziarki wild. (*Chmiel* 1978); Bukowa Góra res. (*Chmiel* 1978; Domański 1999a); Roztocze NP – without precise location (*Chmiel et al.* 1994); Huta Turobińska village (LBL M-3134, 16 June 1984, leg. *P. Chmiel*). Cited by Sałata (1991), *Chmiel* (2006), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, forest margin.

Gloeosporidiella ribis → ***Drepanopeziza ribis***

Golovinomyces (U. Braun) V.P. Heluta

Golovinomyces ambrosiae (Schwein.) U. Braun & R.T.A. Cook

SYNONYMS: *Erysiphe cichoracearum* auct. p.p.

HOST/SUBSTRATE/LOCALITY:

- ***Rudbeckia laciniata*** L.: Bełzec village (LBL M-12417, 5 July 1982, leg. *A. Piotrowska*).

PLANT COMMUNITY/HABITAT: garden.

Golovinomyces artemisiae (Grev.) V.P. Heluta

SYNONYMS: *Erysiphe artemisiae* Grev.

HOST/SUBSTRATE/LOCALITY:

- ***Artemisia vulgaris*** L.: Guciów village, Jarugi res., Jeziernia village near Tomaszów Lubelski town, Tomaszów Lubelski town (Sałata 1991); Kawęczyn village near Szczebrzeszyn town (LBL M-765, 1 Nov. 1977, leg. *A. Poświatowska*); Majdan Górny village (LBL M-735, 30 Sept. 1971, leg. *J. Romaszewska-Sałata*; LBL M-12411, 14 June 1983, leg. *A. Piotrowska*); Nad Tanwią res. (LBL M-11667, *sine die*, leg. *L. Czyżewska*); Zwierzyniec town (LBL M-698, 8 Sept. 1966, leg. *B. Sałata*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: xerothermic thickets (limestone slope), balk, roadsides, rubbish heap.

Golovinomyces asterum (Schwein.) U. Braun var. ***solidaginis*** U. Braun

SYNONYMS: *Erysiphe cichoracearum* auct. p.p.

HOST/SUBSTRATE/LOCALITY:

- ***Solidago gigantea*** Aiton [= *Solidago serotina* Aiton]: Susiec village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: riverbank.

Golovinomyces biocellatus (Ehrenb.) V.P. Heluta

SYNONYMS: *Erysiphe biocellata* Ehrenb., *Erysiphe salviae* (Jacz.) S. Blumer

HOST/SUBSTRATE/LOCALITY:

- ***Ajuga reptans*** L.: Nad Tanwią res. (LBL M-10873, 5 Oct. 1981, *leg. L. Czyżewska*).
- ***Salvia verticillata*** L.: Majdan Górny village (Romaszewska-Sałata 1977); Biała Góra hill near Tomaszów Lubelski town (LBL M-2614, 30 Sept. 1971, *leg. J. Romaszewska-Sałata*; LBL M-2628, 16 Sept. 1982, *leg. J. Romaszewska-Sałata*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic grasslands (incl. *Inuletum ensifoliae*).

Golovinomyces cichoracearum (DC.) V.P. Heluta

SYNONYMS: *Erysiphe cichoracearum* DC. ex Mérat

HOST/SUBSTRATE/LOCALITY:

- ***Cichorium intybus*** L.: Bukowa Góra res. (LBL M-1003, 15 Sept. 1977, *leg. J. Romaszewska-Sałata*); Guciów village (LBL M-10949, 18 Oct. 1984, *leg. J. Balicka*); Zwierzyniec town (LBL M-997, 8 Sept. 1966, *leg. B. Sałata*).
- ***Hieracium lachenalii*** C.C. Gmel.: Jarugi res., Obrocz res., Stoki wild. (Sałata 1991); Wywłoczka village near Szczebbrzeszyn town (LBL M-1033, 5 Aug. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Hieracium murorum*** L.: Roztocze NP – without precise location (Sałata 1985); Stoki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).
- ***Mycelis muralis*** (L.) Dumort.: Bukowa Góra res. (Sałata 1991); Narol town (LBL M-11669, 20 Aug. 1992, *leg. B. Hypiak*).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Peucedano-Pinetum*, beech forest, pine forests, mixed forest, thickets along a road, roadside.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Golovinomyces circumfusus (Schltld.) U. BraunSYNONYMS: *Erysiphe cichoracearum* auct. p.p.

HOST/SUBSTRATE/LOCALITY:

- ***Eupatorium cannabinum*** L.: Hamernia village (Sałata & Romaszewska-Sałata 1969); Guciów village (Sałata 1991); Nad Tanwią res. (LBL M-10968, 12 Aug. 1981, *leg. L. Czyżewska*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: herbaceous plants by the rivers, wet meadow.

Golovinomyces cynoglossi (Wallr.) V.P. HelutaSYNONYMS: *Erysiphe asperifoliorum* Grev., *Erysiphe cynoglossi* (Wallr.) U. Braun

HOST/SUBSTRATE/LOCALITY:

- ***Anchusa officinalis*** L.: Lubycza Królewska town (LBL M-12412, 18 Oct. 1983, *leg. A. Piotrowska*).
- ***Cynoglossum officinale*** L.: Obroc res., Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1969); Roztocze – without precise location (Sałata 1985). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Lithospermum arvense*** L.: Józefów town (Sałata & Romaszewska-Sałata 1969). Cited by Kozłowska *et al.* (2015b).
- ***Myosotis arvensis*** (L.) Hill: Wywłoczka village near Szczebrzeszyn town (LBL M-833, 15 Oct. 1977, *leg. A. Poświatowska*).
- ***Pulmonaria mollis*** Wulfen ex A. Kern. [= *Pulmonaria mollissima* A. Kern.]: Maziarki wild. (Romaszewska-Sałata & Sałata 1978); Roztocze NP – without precise location, Szczebrzeszyn town – Szperówka district (Sałata 1985); Jarugi res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Pulmonaria obscura*** Dumort.: Obroc res. (Sałata & Romaszewska-Sałata 1969); Roztocze region – without precise location (Sałata 1985); Jarugi res., Kamienna Góra wild., Maziarki wild., Stoki wild. (Sałata 1991); Biała Góra hill near Tomaszów Lubelski town (LBL M-874, 16 Sept. 1982, *leg. J. Romaszewska-Sałata*). Cited by Romaszewska-Sałata (1977), Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Symphytum officinale*** L.: Sąsiadka village (LBL M-902, 10 Oct. 1977, *leg. A. Poświatowska*).

PLANT COMMUNITY/HABITAT: *Peucedano cervariae-Coryletum*, beech forest, oak forest, roadsides (in fir, pine, beech and oak forests), deciduous forests, mixed forests, farmlands, garden.***Golovinomyces depressus*** (Wallr.) V.P. HelutaSYNONYMS: *Erysiphe cichoracearum* auct. p.p., *Erysiphe depressa* DC.

HOST/SUBSTRATE/LOCALITY:

- ***Arctium lappa*** L.: Szczebrzeszyn town (LBL M-1456, 16 Aug. 1977, *leg. A. Poświatowska*).
- ***Arctium minus*** (Hill) Bernh.: Hrebenne village (LBL M-11670, 10 Oct. 1992, *leg. B. Hypiak*); Tomaszów Lubelski town (LBL M-12426, 17 Aug. 1982, *leg. A. Piotrowska*).
- ***Arctium tomentosum*** Mill.: Tomaszów Lubelski town (Sałata 1991); Lubycza Królewska town (LBL M-12427, 18 Sept. 1982, *leg. A. Piotrowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

- *Centaurea montana* L.: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: garden, roadside.

Golovinomyces fischeri (S. Blumer) U. Braun & R.T.A. Cook

SYNONYMS: *Erysiphe fischeri* Blumer

HOST/SUBSTRATE/LOCALITY:

- *Senecio vulgaris* L.: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside.

Golovinomyces galii → *Neoërysiphe galii*

Golovinomyces macrocarpus (Speer) U. Braun

HOST/SUBSTRATE/LOCALITY:

- *Achillea millefolium* L. s.l.: surroundings of Szczebrzeszyn town (Sałata 1985, as *Erysiphe cichoracearum* DC. ex Mérat). Cited by Kozłowska *et al.* (2015b).
- *Tanacetum vulgare* L.: Dąbrowa Tomaszowska village (LBL M-12422, 10 Aug. 1982, leg. A. Piotrowska); Topólcza village near Szczebrzeszyn town (LBL M-1130, 10 Sept. 1977, leg. A. Poświatowska).

PLANT COMMUNITY/HABITAT: forest margin, roadside, balk.

Golovinomyces magnicellulatus (U. Braun) V.P. Heluta var. *magnicellulatus*

SYNONYMS: *Erysiphe magnicellulata* U. Braun

HOST/SUBSTRATE/LOCALITY:

- *Phlox paniculata* L.: Krasnobród town, Tomaszów Lubelski town (Sałata 1991); Narol town (LBL M-11680, 30 Sept. 1992, leg. B. Hypiak); Szczebrzeszyn town (LBL M-2317, 28 July 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: gardens, lawn.

Golovinomyces montagnei U. Braun

SYNONYMS: *Erysiphe cichoracearum* auct. p.p.

HOST/SUBSTRATE/LOCALITY:

- *Centaurea jacea* L.: Stoki wild. (Sałata 1991); Obrocz res. (LBL M-978, 17 Aug. 1974, leg. A. Jasińska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Cirsium arvense* (L.) Scop.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1969); Bukowa Góra res., Guciów village (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Cirsium oleraceum* (L.) Scop.: Kamienna Góra wild. (Sałata 1991); Nad Tanwią res. (LBL M-10959, 12 July 1981, leg. L. Czyżewska); Prof. Zygmunt Czubiński Reserve (LBL M-1185,

4 Sept. 1979, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

- ***Cirsium vulgare*** (Savi) Ten. [= *Cirsium lanceolatum* (L.) Scop.]: Roztocze NP – without precise location (Sałata 1985); Bukowa Góra res. (Sałata 1991); Brody village near Szczecbrzeszyn town (LBL M-9919, 11 June 1970, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Thalictro-Salvietum pratensis*, fir forest, along a road in alder forest, forests margins, meadow by the Wieprz river, bank of the Tanew river, roadsides.

Golovinomyces orontii (Castagne) V.P. Heluta

SYNONYMS: *Erysiphe cichoracearum* auct. p.p.

HOST/SUBSTRATE/LOCALITY:

- ***Chamomilla suaveolens*** (Pursh) Rydb. [= *Matricaria matricarioides* (Less.) Porter]: Tomaszów Lubelski town (LBL M-12416, 8 Sept. 1983, leg. A. Piotrowska).
- ***Cucumis sativus*** L.: Tomaszów Lubelski town (Sałata 1991); Sąsiadka village (LBL M-1018, 18 Aug. 1977, leg. A. Poświatowska).
- ***Cucurbita pepo*** L.: Tomaszów Lubelski town (Sałata 1991).
- ***Viola tricolor*** L.: Obrocz village (Sałata 1991).

PLANT COMMUNITY/HABITAT: garden, roadside, rubble.

Golovinomyces senecionis U. Braun

HOST/SUBSTRATE/LOCALITY:

- ***Senecio rivularis*** (W. & K.) DC.: Roztocze NP – without precise location (Mułenko 1993b, as *Erysiphe cichoracearum* DC. var. *cichoracearum*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: dried up alder forest with planted pine.

Golovinomyces sonchicola U. Braun & R.T.A. Cook

SYNONYMS: *Erysiphe cichoracearum* auct. p.p.

HOST/SUBSTRATE/LOCALITY:

- ***Sonchus arvensis*** L.: Bukowa Góra res., Maziarki wild., Pasięki village (Sałata 1991); Dzielce village near Szczecbrzeszyn town (LBL M-1104, 6 Oct. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Sonchus oleraceus*** L.: Dąbrowa Tomaszowska village (LBL M-12421, 21 Sept. 1982, leg. A. Piotrowska).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, farmland, roadsides.

Golovinomyces sordidus (L. Junell) V.P. Heluta

SYNONYMS: *Erysiphe sordida* Junell

HOST/SUBSTRATE/LOCALITY:

- *Plantago major* L. s.str.: Kosobudy village, Łosiniec village, Obroc z village, Tomaszów Lubelski town (Sałata 1991); Jarugi res. (LBL M-2701, 14 Nov. 1979, leg. T. Brach); Nad Tanwią res. (LBL M-11132, 26 June 1981, leg. L. Czyżewska; LBL M-11133, 28 June 1981, leg. L. Czyżewska); Narol town (LBL M-11683, 3 Sept. 1992, leg. B. Hypiak); Obroc z res. (LBL M-2667 and LBL M-2668, 8 Sept. 1974, leg. A. Jasińska); Zakłodzie village near Szczepreszyn town (LBL M-2691, 25 Sept. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, roadsides, rubbish heap.

Golovinomyces verbasci (Jaczewski) V. P. Heluta

SYNONYMS: *Erysiphe verbasci* (Jaczewski) Blumer

HOST/SUBSTRATE/LOCALITY:

- *Verbascum phlomoides* L.: Nad Tanwią res. (LBL M-11184, 3 Aug. 1981, leg. L. Czyżewska).

PLANT COMMUNITY/HABITAT: sandy hill.

Gorgoniceps (P. Karst.) P. Karst.

Gorgoniceps aridula (P. Karst.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (bark): Stoki wild. (Chmiel 1978). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*.

Gyoerffyella Kol

Gyoerffyella oxalidis Vanev

HOST/SUBSTRATE/LOCALITY:

- *Oxalis acetosella* L.: Nowiny Horynieckie village (Mułenko 1993a). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

NOTES: The fungus was collected in anamorphic stage.

Gyromitra Fr.

Gyromitra esculenta (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (stump): Jarugi res. (LBL M-3153, 23 Apr. 1975, leg. M. Bednarczyk).
- Soil: Bukowa Góra res. (Sałata 1972; Chmiel 1978); Czerkies res., Nart res., Stoki wild., Zwierzyniec res. (Chmiel 1978); Kruglik wild., Majdan Kasztelański village, Obroc z res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994; Mułenko *et al.* 2013, 2015);

Prof. Zygmunt Czubiński Reserve (LBL M-3162, 21 May 1980, *leg. T. Kimsa*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, fir forest with admixture of pine.

Gyromitra gigas (Krombh.) Cooke

SYNONYMS: *Discina gigas* (Krombh.) Eckblad, *Neogyromitra gigas* (Krombh.) S. Imai

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Bukowa Góra res., Jarugi res., Obroc res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Soil: Obroc res. (Sałata 1967; Chmiel 1978); Czerkies res. (Sałata 1969a); Bukowa Góra res. (Sałata 1972; Chmiel 1978); Nart res. (Sałata 1972); Jarugi res. (Chmiel 1978); Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze NP – without precise location (Chmiel *et al.* 1994); Topólcza village near Szczepieszyn town (LBL M-3170, 2 May 1993, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, loess ravine.

Gyromitra infula (Schaeff.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter and on twigs lying in the soil): Obroc res. (Sałata 1969a, 1972; Chmiel 1978); Szum res. near Górecko village, Rybnica village near Susiec village (Sałata & Ostas 1975); Bukowa Góra res. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Peucedano-Pinetum*, fir forest, grassy glade in fir forest.

Haglundia perelegans → *Mollisia olivascens*

Hamatocanthoscypha Svrček

Hamatocanthoscypha laricionis (Velen.) Svrček

SYNONYMS: *Hyaloscypha curvipila* Grélet

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (bark and fallen needles): Bukowa Góra res., Czerkies res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Pinus sylvestris* L. (fallen needles and twigs): Czerkies res., Jarugi res., Stoki wild., Zwierzy-niec res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Vaccinio myrtilli-Pinetum*, pine forests.

NOTES: Chmiel (2006) erroneously listed data from her previous publication (Chmiel 1982) in which this species was not mentioned.

Helodiomyces F. Picard***Helodiomyces elegans*** F. Picard

HOST/SUBSTRATE/LOCALITY:

- ***Dryops auriculatus*** (Geoffroy) (insects; Coleoptera): Józefów town (Majewski 1994). Cited by Majewski (2008, on *Dryops auriculatum*) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: small overgrown water reservoir.

Helotium calyculus → ***Hymenoscyphus calyculus****Helotium epiphyllum* → ***Phaeohelotium epiphyllum****Helotium fagineum* → ***Phaeohelotium fagineum****Helotium fructigenum* → ***Hymenoscyphus fructigenus****Helotium pallescens* → ***Bisporella pallescens****Helotium serotinum* → ***Hymenoscyphus serotinus******Helvella*** L.***Helvella acetabulum*** (L.) Quél.SYNONYMS: *Paxina acetabulum* (L.) Kuntze

HOST/SUBSTRATE/LOCALITY:

- Soil: Topólcza village near Szczebrzeszyn town (LBL M-4738, 8 June 1986, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: thickets (under hazel bush).

Helvella albipes Fuckel

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1997); buffer zone of the Roztocze NP – without precise location (Domański 1999a). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest (incl. margin).

Helvella atra J. KönigSYNONYMS: *Leptopodia atra* (J. König) Boud.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze NP – without precise location (Sałata 1990); Hutki village near Krasnobród town (Sałata 1991); Maziarki wild. (LBL M-3588, 18 June 1980, *leg. M. Chmiel*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: *Potentillo albae-Quercetum*, grassy roadside in pine forest.***Helvella crispa*** (Scop.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Rotten stump: Otrocz village (LBL M-7598, 5 Aug. 1998, *leg. M. Chmiel*).

- Soil: Maziarki wild., Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Kamienna Góra wild. (LBL M-3235, 20 Oct. 1976, leg. *M. Chmiel*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Helvella dissingii Korf

SYNONYMS: *Helvella villosa* (Hedw.) Dissing & Nannf.

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res. (Sałata 1972); Maziarki wild. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, beech forest, fir forest, mixed forest.

Helvella elastica Bull.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obrocz res. (Sałata 1972; Chmiel 1978); Zwierzyniec res. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, grassy glade in *Dentario glandulosae-Fagetum*, grassy young pine forest.

Helvella lactea Boud.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1972); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Chmiel (1978, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Helvella lacunosa Afzel.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obrocz res. (Sałata 1972; Chmiel 1978); Stoki wild. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: along a road in *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*.

Helvella leucomelaena (Pers.) Nannf.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec res. (Chmiel 1978); Józefów town (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: along a road in *Vaccinio myrtilli-Pinetum*, young pine forest, forest glade, grassy roadside.

Helvella macropus (Pers.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten stumps or logs): Obroc res. (Sałata 1972). Cited by Sałata (1991).
- Soil: Nart res. (Sałata 1972); Obroc res. (Sałata 1972; Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994); Czerkies res. (LBL M-367, 27 July 1966, *leg. B. Sałata*); Obroc res. (LBL M-7599, 19 Aug. 1996, *leg. M. Chmiel*); Olszanka village (LBL M-377, 30 July 1974, *leg. Z. Wajler*; LBL M-7600, 19 Aug. 1996, *leg. M. Chmiel*; LBL M-7601, 16 July 1998, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Helvella phlebophora Pat. & Doass.

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res. (Sałata 1972). Cited by Chmiel (1978, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, ravine.

Helvella villosa → ***Helvella dissingii***

Heterosphaeria Grev.

Heterosphaeria patella (Tode) Grev.

HOST/SUBSTRATE/LOCALITY:

- Overwintered stems of Apiaceae (Umbelliferae) plants: Obroc res. (Chmiel 1978, without precise location from Roztocze NP; Sałata 1991). Cited by Kozłowska *et al.* (2015b).
- Overwintered stems of herbaceous plants: Stoki wild. (LBL M-3282, 12 June 1974, *leg. M. Chmiel*); Szczepieszyn town (LBL M-7988, 16 June 1984, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*, wet meadow by the Wieprz river, old orchard.

Heyderia Link

Heyderia abietis (Fr.) Link

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen needles): Obroc res. (Sałata 1972). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Picea abies* (L.) H. Karst. (fallen needles): Bukowa Góra res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

- *Pinus sylvestris* L. (fallen needles): Bukowa Góra res., Czerkies res., Nart res., Obroc res., Stoki wild., Zwierzyniec res. (Chmiel 1978); Kruglik wild. (LBL M-4400, 15 Oct. 1968, leg. B. Sałata). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Peucedano-Pinetum*, *Vaccinio myrtilli-Pinetum*.

Heyderia cucullata (Batsch) Bacyk & Van Vooren

SYNONYMS: *Heyderia pusilla* (Fr.) Link

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (fallen needles): Bukowa Góra res. (LBL M-3287, 22 Oct. 1977, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Heyderia pusilla → *Heyderia cucullata*

Humaria Fuckel

Humaria gregaria Rehm

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1972). Cited by Chmiel (1978), [Chmiel 2006, as *Trichophaea gregaria* (Rehm) Boud.], Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: sandy road in *Abietetum polonicum*.

Humaria hemisphaerica (F.H. Wigg.) Fuckel

SYNONYMS: *Peziza hemisphaerica* F.H. Wigg.

HOST/SUBSTRATE/LOCALITY:

- Soil, rotten logs of *Abies alba* Mill., *Fagus sylvatica* L. and *Populus tremula* L.: Tomaszów Lubelski town (Błoński 1896); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res. (Sałata 1972; Chmiel 1978); Nart res., Obroc res. (Sałata 1972); Jarugi res., Maziarki wild., Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994); Obroc res. (LBL M-3346, 24 July 1986, leg. M. Chmiel); Olszanka village (LBL M-7605, 19 Aug. 1996, leg. M. Chmiel; LBL M-7603, 16 July 1998, leg. M. Chmiel); Otrocz village (LBL M-7602, 5 Aug. 1998, leg. M. Chmiel); Tarnawa village (LBL M-3320, 16 July 1974, leg. Z. Wajler). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*.

Hyalopeziza Fuckel***Hyalopeziza millepunctata*** (Lib.) Raitv.SYNONYMS: *Unguicularia millepunctata* (Lib.) Dennis

HOST/SUBSTRATE/LOCALITY:

- ***Rubus idaeus*** L. (stems): Horodyszczce village (LBL M-12810 and LBL M-12811, 3 June 1986, leg. M. Chmiel); Hrebenne village (LBL M-7717, 3 June 1986, leg. M. Chmiel); Ulów village (LBL M-12809 and LBL M-13809, 2 June 1986, leg. M. Chmiel).
- Wood: Szczecbrzeszyn town (LBL M-7667, 8 Sept. 2001, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, roadside ditch in forest.***Hyalopeziza trichodea*** (W. Phillips & Plowr.) Raitv.SYNONYMS: *Hyalotricha trichodea* (W. Phillips & Plowr.) Dennis

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (fallen needles): Nart res. (Chmiel 1978); Obroc res. (Chmiel 1982). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*.***Hyaloscypha*** Boud.***Hyaloscypha aureliella*** (Nyl.) HuhtinenSYNONYMS: *Hyaloscypha stevensoni* (Berk. & Broome) Nannf.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten wood): Nart res. (LBL M-3372, 17 July 1979, leg. M. Chmiel).
- ***Pinus sylvestris*** L. (bark and logs): Hrebenne village (LBL M-7700, 3 June 1986, leg. M. Chmiel); Obroc res. (LBL M-3370, 22 Oct. 1977, leg. M. Chmiel).
- Wood: Nart res. (LBL M-13094, 8 Sept. 1994, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, beech forest.*Hyaloscypha curvipila* → ***Hamatocanthoscypha laricionis******Hyaloscypha hyalina*** (Pers.) Boud.

HOST/SUBSTRATE/LOCALITY:

- ***Betula*** sp. (rotten logs): Zwierzyniec res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Quercus*** sp. (rotten logs): Stoki wild. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b, listed as occurring on *Fagus*, incorrectly).
- Wood: Nart-Czerkies res. (LBL M-3363, 27 Apr. 1987, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: margin of *Vaccinio myrtilli-Pinetum* (along a road).

Hyaloscypha leuconica (Cooke) Nannf.

HOST/SUBSTRATE/LOCALITY:

- ***Picea abies*** (L.) H. Karst. (fallen cones): Nart res. – sect. 100 (LBL M-3364, 7 Sept. 1976, leg. M. Chmiel).
- ***Pinus sylvestris*** L. (rotten and fresh logs, wood): Bukowa Góra res., Czerkies res., Obroc res. (Chmiel 1978). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, beech forest.*Hyaloscypha stevensoni* → ***Hyaloscypha aureliella****Hyalotricha trichodea* → ***Hyalopeziza trichodea******Hydraeomyces*** Thaxt.***Hydraeomyces halipli*** (Thaxt.) Thaxt.

HOST/SUBSTRATE/LOCALITY:

- ***Haliplus fulvus*** (Fabricius) (insects; Coleoptera): ‘Kunki’ – probably Kunki near Tomaszów Lubelski town (Siemaszko & Siemaszko 1933). Cited by Majewski (1994, 2008).
- ***Haliplus heydeni*** (Wehncke) (insects; Coleoptera): Ulów village (Siemaszko & Siemaszko 1933). Cited by Sałata (1991), Majewski (1994, 2008) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Hymenoscyphus Gray***Hymenoscyphus calyculus*** (Fr.) W. PhillipsSYNONYMS: *Helotium calyculus* Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten log): Bukowa Góra res., Obroc res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Fagus sylvatica*** L. (fallen twig): Obroc res. (Sałata 1972). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- Fallen twigs: Szczebrzeszyn town – Szperówka district (LBL M-8048, 14 Oct. 1992, leg. M. Chmiel); Topólca village near Szczebrzeszyn town (LBL M-8047, 12 July 1991, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Hymenoscyphus caudatus*** (P. Karst.) Dennis

HOST/SUBSTRATE/LOCALITY:

- ***Alnus*** sp. (overwintered leaves): Maziarki wild., Zwierzyniec res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Betula*** sp. (fallen leaves): Maziarki wild., Zwierzyniec res. (Chmiel 1978); Obroc res. (LBL M-3396, 22 July 1977, leg. M. Chmiel). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

- *Fagus sylvatica* L. (fallen leaves): Otrocz village (LBL M-7647, 5 Aug. 1998, *leg. M. Chmiel*).
- *Quercus* sp. (fallen leaves): Maziarki wild., Zwierzyniec res. (Chmiel 1978); Obroc res. (LBL M-3395, 13 Nov. 1976, *leg. M. Chmiel*); Szczebrzeszyn town (LBL M-8053, 22 Sept. 1984, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Tilia* sp. (overwintered leaves): Szczebrzeszyn town (LBL M-8055, 20 Oct. 1985, *leg. M. Chmiel*).
- Overwintered stems of herbaceous plants: Maziarki wild., Zwierzyniec res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, thickets in loess ravine.

Hymenoscyphus epiphyllus → *Phaeohelotium epiphyllum*

Hymenoscyphus fagineus → *Phaeohelotium fagineum*

Hymenoscyphus fructigenus (Bull.) Gray

SYNONYMS: *Helotium fructigenum* (Bull.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- *Carpinus betulus* L. (fallen fruits): Nart res. (Sałata 1972); Czerkies res., Obroc res. (Sałata 1972; Chmiel 1978); Jarugi res., Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Kamienna Góra wild. (Sałata 1991); Szczebrzeszyn town – Szczerówka district (LBL M-8071, 14 Oct. 1992, *leg. M. Chmiel*). Cited by Sałata (1991), Chlebicki & Chmiel (2006), Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (fallen cupules): Nart res. (Sałata 1972); Czerkies res., Obroc res. (Sałata 1972; Chmiel 1978); Jarugi res., Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Kamienna Góra wild. (Sałata 1991). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Quercus* sp. (fallen nuts): Czerkies res., Jarugi res., Obroc res., Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Szczebrzeszyn town (LBL M-8069, 22 Sept. 1984, *leg. M. Chmiel*); Tarnawa Duża village (LBL M-8070, 23 Oct. 1984, *leg. M. Chmiel*). Cited by Kozłowska *et al.* (2015b).
- Fallen fruits: Roztocze NP – without precise location (Sałata 1988). Cited by Chmiel (2006).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, fir forest.

Hymenoscyphus herbarum (Pers.) Dennis

HOST/SUBSTRATE/LOCALITY:

- *Sambucus* sp. (dead twigs): Topólcza village near Szczebrzeszyn town (LBL M-8089, 12 Oct. 1986, *leg. M. Chmiel*).
- *Urtica dioica* L. (dead stems): Szczebrzeszyn town (LBL M-8084, 24 Sept. 1983, *leg. M. Chmiel*; LBL M-8083, 6 Nov. 1983, *leg. M. Chmiel*; LBL M-8088, 20 Oct. 1985, *leg. M. Chmiel*; LBL M-7648, 17 Sept. 1994, *leg. M. Chmiel*; LBL M-7649, 8 Sept. 2001, *leg. M. Chmiel*).
- *Urtica* sp. (overwintered stems): Jarugi res. (Chmiel 1978); Szczebrzeszyn town (LBL M-8088, 20 Oct. 1985, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

- Stems of herbaceous plants: Biała Góra hill near Tomaszów Lubelski town (LBL M-12978, 16 Sept. 1982, *leg. M. Chmiel*); Szczebrzeszyn town (LBL M-8085, LBL M-8086 and LBL M-8087, 20 Oct. 1985, *leg. M. Chmiel*; LBL M-8090, 20 Sept. 1986, *leg. M. Chmiel*); Topólcza village near Szczebrzeszyn town (LBL M-8091, 12 Oct. 1986, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: along a road in *Dentario glandulosae-Fagetum*, thickets in loess ravine, loess ravine, ravine, xerothermic grassland.

Hymenoscyphus imberbis (Bull.) Dennis

HOST/SUBSTRATE/LOCALITY:

- Wood: Szczebrzeszyn town (LBL M-7650, 17 Sept. 1994, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: old orchard.

Hymenoscyphus immutabilis (Fuckel) Dennis

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L. (fallen leaves): Czerkies res., Jarugi res., Obroc res. (Chmiel 1978). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Hymenoscyphus laetus (Boud.) Dennis

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten, mossy logs): Czerkies res., Obroc res. (Chmiel 1978). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Hymenoscyphus lutescens (Hedw.) W. Phillips

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (fallen cones): Stoki wild., Zwierzyniec res. (Chmiel 1978); Jarugi res. (LBL M-3435, 29 Oct. 1974, *leg. M. Chmiel*); Maziarki wild. (LBL M-3436, 24 July 1975, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, *Vaccinio myrtilli-Pinetum*.

Hymenoscyphus mycetophilus (Peck) Svrček

HOST/SUBSTRATE/LOCALITY:

- Rotten polypore fruit body: Nart res. (LBL M-13001 and LBL M-13002, 8 Sept. 1994, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: beech forest.

Hymenoscyphus phyllogenus (Rehm) Kuntze

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L. (veins of overwintered leaves): Czerkies res., Jarugi res. (Chmiel 1978); Szczebrzeszyn town (LBL M-8111, 20 Sept. 1985, leg. M. Chmiel). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Fallen leaves: Szczebrzeszyn town (LBL M-8112, 22 Sept. 1984, leg. M. Chmiel; LBL M-8110, 20 Oct. 1985, leg. M. Chmiel).
- Soil: Szczebrzeszyn town (LBL M-8110, 20 Oct. 1985, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, loess ravine.

Hymenoscyphus scutula (Pers.) W. Phillips

HOST/SUBSTRATE/LOCALITY:

- *Aegopodium podagraria* L. (stems): Szczebrzeszyn town (LBL M-8127, 6 Nov. 1983, leg. M. Chmiel).
- *Artemisia* sp. (stems): Szczebrzeszyn town (LBL M-8129, 20 Oct. 1985, leg. M. Chmiel).
- *Rubus* sp. (stems): Abramów village (LBL M-13026, 17 Sept. 1985, leg. M. Chmiel).
- Overwintered stems of herbaceous plants: Jarugi res., Zwierzyniec res. (Chmiel 1978); Biała Góra hill near Tomaszów Lubelski town (LBL M-8124, 16 Sept. 1982, leg. M. Chmiel); Brodzka Góra hill near Szczebrzeszyn town (LBL M-8119 and LBL M-8120, 28 Sept. 1972, leg. M. Chmiel); Szczebrzeszyn town (LBL M-8121, 3 Oct. 1976, leg. M. Chmiel; LBL M-8126, 24 Sept. 1983, leg. M. Chmiel; LBL M-8130, LBL M-8131, LBL M-8132 and LBL M-8134, 20 Oct. 1985, leg. M. Chmiel; LBL M-8138, 20 Sept. 1986, leg. M. Chmiel; LBL M-8137, 20 Oct. 1986, leg. M. Chmiel; LBL M-8146, 23 Aug. 1993, leg. M. Chmiel; LBL M-7651, 17 Sept. 1994, leg. M. Chmiel; LBL M-7652, 8 Sept. 2001, leg. M. Chmiel). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*, *Dentario glandulosae-Fagetum*, along a road in mixed forest, xerothermic grassland, garden, old orchard.

Hymenoscyphus separabilis → ***Phialina separabilis***

Hymenoscyphus serotinus (Pers.) W. Phillips

SYNONYMS: *Helotium serotinum* (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen twigs and cupules): Nart res. (Sałata 1972); Czerkies res. (3 localities), Obrocz res. (2 localities) (Sałata 1972; Chmiel 1978); Bukowa Góra res., Jarugi res., Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Kamienna Góra wild. (Sałata 1991); Tarnawa Duża village (LBL M-8156, 19 Oct. 1984, leg. P. Chmiel; LBL M-7653, 4 Oct. 1996, leg. M. Chmiel). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, road in forest.

Hymenoscyphus vitellinus (Rehm) Kuntze

HOST/SUBSTRATE/LOCALITY:

- *Urtica* sp. (dead roots): Szczebrzeszyn town (LBL M-8162, 22 July 1985, leg. M. Chmiel; LBL M-8165, 4 July 1992, leg. M. Chmiel; LBL M-8164, 15 Aug. 1992, leg. M. Chmiel).
- Stems of herbaceous plants: Szczebrzeszyn town (LBL M-8159, 14 July 1984, leg. M. Chmiel; LBL M-8158, 20 Oct. 1985, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: thickets in loess ravine, old orchard.

Hypoderma De Not***Hypoderma rubi*** (Pers.) DC.SYNONYMS: *Hypoderma virgultorum* DC. ex St.-Am.

HOST/SUBSTRATE/LOCALITY:

- *Rubus idaeus* L.: Szczebrzeszyn town (LBL M-7624, 8 Aug. 1993, leg. M. Chmiel; LBL M-8003, 23 Aug. 1993, leg. M. Chmiel).
- *Rubus* sp. (overwintered stems): Kawęczynek village near Szczebrzeszyn town (LBL M-8007, 14 Oct. 1992, leg. M. Chmiel); Otrocz village (LBL M-7623, 5 Aug. 1998, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: margin of *Dentario glandulosae*-*Fagetum*, deciduous forest, mixed forest, loess ravine, old orchard.*Hypoderma virgultorum* → ***Hypoderma rubi******Hypoderma*** sp.

HOST/SUBSTRATE/LOCALITY:

- *Juglans regia* L. (petioles of fallen leaves): Szczebrzeszyn town (LBL M-13119, 17 Sept. 1994, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: old orchard.

Hypoxylon Bull.***Hypoxylon fragiforme*** (Pers.) J. Kickx f.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (logs): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae*-*Fagetum*.*Hypoxylon miniatum* → ***Hypoxylon rutilum******Hypoxylon rutilum*** Tul. & C. Tul.SYNONYMS: *Hypoxylon miniatum* Cooke

HOST/SUBSTRATE/LOCALITY:

- Substrate not listed: Zwierzyniec town (Błoński 1896). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Hysterium pinastris → ***Lophodermium pinastris***

Inermisia aggregata → ***Byssonectria fusispora***

Inermisia fusispora → ***Byssonectria fusispora***

Iodophanus Korf

Iodophanus carneus (Pers.) Korf

SYNONYMS: *Ascophanus carneus* (Pers.) Boud.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obroc village, Zwierzyniec town (Chmiel 1977); Bukowa Góra res., Czerkies res., Stoki wild. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994); Kawęczyn village near Szczebrzeszyn town (LBL M-7593, 7 June 1986, leg. M. Chmiel); Szczebrzeszyn town – Szperówka district (LBL M-7594, 27 June 1987, leg. M. Chmiel). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, wet meadow.

Kretzschmaria Fr.

Kretzschmaria deusta (Hoffm.) P.M.D. Martin

SYNONYMS: *Ustulina deusta* (Hoffm.) Lind, *Ustulina vulgaris* Tul. & C. Tul.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (logs and stumps): Zwierzyniec town (Błoński 1896); Bukowa Góra res., Czerkies res., Nart res., Obroc res. [Sałata 1972, as *Ustulina deusta* (Fr.) Petrak]; Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Laboulbenia Mont. & C.P. Robin

Laboulbenia casnoniae Thaxter

HOST/SUBSTRATE/LOCALITY:

- ***Metabletus truncatellus*** (Linnaeus) (insects; Coleoptera): Krasnobród town (Majewski 2008). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: damp place.

Laboulbenia gyrinicola Spegazzini

HOST/SUBSTRATE/LOCALITY:

- ***Gyrinus natator*** (Linnaeus) (insects; Coleoptera): Zielone village (Siemaszko & Siemaszko 1933). Cited by Sałata (1991) and Kozłowska *et al.* (2015b, also incorrectly after Majewski 2008).

PLANT COMMUNITY/HABITAT: not listed.

NOTES: The locality of this species in the Roztocze region was not listed in studies by Majewski (1994, 2008) as the material could not be revised.

Laboulbenia pedicellata Thaxt.

HOST/SUBSTRATE/LOCALITY:

- ***Bembidion articulatum*** (Panzer) (insects; Coleoptera): Tomaszów Lubelski town (Majewski 2008). Cited by Kozłowska *et al.* (2015b).
- ***Bembidion doris*** (Panzer) (insects; Coleoptera): Bełżec village (Majewski 2008). Cited by Kozłowska *et al.* (2015b).
- ***Bembidion quadrimaculatum*** (Linnaeus) (insects; Coleoptera): Wieprzowe Jezioro village (Siemaszko & Siemaszko 1927). Cited by Majewski (1994, 2008) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: bank of an overgrown lake.

Laboulbenia pseudomasei Thaxt.

HOST/SUBSTRATE/LOCALITY:

- ***Pterostichus anthracinus*** (Illiger) (insects; Coleoptera): Hamernia village (Siemaszko & Siemaszko 1931). Cited by Sałata (1991), Majewski (1994, 2008) and Kozłowska *et al.* (2015b).
- ***Pterostichus nigrita*** (Fabricius) (insects; Coleoptera): Guciów village (Siemaszko & Siemaszko 1931). Cited by Sałata (1991), Majewski (1994, 2008) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Laboulbenia vulgaris Peyr.

HOST/SUBSTRATE/LOCALITY:

- ***Bembidion properans*** (Stephens) (insects; Coleoptera): Zwierzyniec town (Siemaszko & Siemaszko 1927, on *Bembidion lampros* Hrbst. var. *properans* Stephens). Cited by Sałata (1991), Majewski (1994, 2008) and Kozłowska *et al.* (2015b).
- ***Bembidion tibiale*** (Duftschmid) (insects; Coleoptera): Hamernia village (Siemaszko & Siemaszko 1927). Cited by Sałata (1991), Majewski (1994, 2008) and Kozłowska *et al.* (2015b).
- ***Bembidion ustulatum*** (Linnaeus) (insects; Coleoptera): Hamernia village, Zwierzyniec town (Siemaszko & Siemaszko 1927). Cited by Majewski (1994, 2008) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Lachnea gilva → ***Tricharina gilva***

Lachnellula P. Karst.***Lachnellula abietis*** (P. Karst.) Dennis

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen twigs): Bukowa Góra res., Obroc res. (Chmiel 1978); Czartowe Pole res., Czerkies res., Florianka wild., Kamienna Góra wild., Nart res., Rybnica village near Susiec village (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, beech-fir forests.***Lachnellula calyciformis*** (Willd.) DharneSYNONYMS: *Dasyscypha calyciformis* (Willd.) Rehm

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen twigs): Bukowa Góra res., Obroc res. (Chmiel 1978); Czartowe Pole res., Czerkies res., Florianka wild., Kamienna Góra wild., Nart res., Rybnica village near Susiec village (Sałata 1991); Bukowa Góra res. (LBL M-388, 16 Sept. 1965, *leg. B. Sałata*; LBL M-389 and LBL M-390, 26 July 1966, *leg. B. Sałata*); Obroc res. (LBL M-391, 3 Aug. 1966, *leg. B. Sałata*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, beech-fir forests.***Lachnellula calycina*** (Schumach.) Sacc.SYNONYMS: *Trichoscyphella calycina* (Schumach.) Nannf.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (bark, trunks, fallen branches, twigs): Bukowa Góra res. (Sałata 1969a, 1972; Chmiel 1978); Obroc res. (Sałata 1969a, 1972); Czerkies res. (Sałata 1972; Chmiel 1978); Nart res., Prof. Zygmunt Czubiński Reserve, Zwierzyniec res. (Chmiel 1978); Czartowe Pole res. (LBL M-6823, 9 Oct. 1970, *leg. B. Sałata*); Nad Tanwią res. (LBL M-6827, 25 Nov. 1972, *leg. M. Bednarczyk*, location listed as Szum res. near Susiec village); Nart res. – sect. 100 (LBL M-6837, 17 July 1979, *leg. M. Chmiel*); Prof. Zygmunt Czubiński Reserve (LBL M-6836, 4 Sept. 1979, *leg. M. Chmiel*); Rybnica village near Susiec village (LBL M-6819, 26 Sept. 1965, *leg. B. Sałata*). Cited by Kozłowska *et al.* (2015b).
- ***Picea abies*** (L.) H. Karst. (fallen twig): Florianka wild. (LBL M-3546, 18 July 1980, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.***Lachnellula hahniana*** → ***Lachnellula occidentalis******Lachnellula occidentalis*** (G.G. Hahn & Ayers) DharneSYNONYMS: *Lachnellula hahniana* (Seaver) Dennis

HOST/SUBSTRATE/LOCALITY:

- ***Larix*** sp. (fallen twigs): Czerkies res., Jacnia village near Krasnobród town, Obroc res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: beech-fir forests, pine forest.

Lachnellula willkommii (Hartig) DennisSYNONYMS: *Trichoscyphella willkommii* (Hartig) Nannf.

HOST/SUBSTRATE/LOCALITY:

- ***Larix decidua*** Mill. [= *Larix europea* DC.] (fallen twigs): Czerkies res. (Sałata 1972; Chmiel 1978); Obroc res. (Chmiel 1978). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: along roads in *Dentario glandulosae-Fagetum* and in *Vaccinio myrtilli-Pinetum*.***Lachnum*** Retz.***Lachnum carneolum*** (Sacc.) Rehm var. ***longisporum*** DennisSYNONYMS: *Dasyscyphus carneolus* (Sacc.) Sacc. var. *longisporus* Dennis

HOST/SUBSTRATE/LOCALITY:

- ***Carex*** sp. (leaves and stems): Florianka wild., Kamienna Góra wild., Stoki wild. (Sałata 1991).
- Overwintered grass stems: Kamienna Góra wild., Stoki wild., Zwierzyniec res. (Chmiel 1978); Prof. Zygmunt Czubiński Reserve (Chmiel 1982). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*, *Dentario glandulosae-Fagetum*.***Lachnum crystallinum*** (Fuckel) RehmSYNONYMS: *Dasyscyphus crystallinus* (Fuckel) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Quercus*** sp. (branch): Lubycza Królewska town (LBL M-7674, 3 June 1986, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Lachnum diminutum*** (Roberge ex Desm.) RehmSYNONYMS: *Dasyscyphus diminutus* (Roberge ex Desm.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Juncus conglomeratus*** L. emend. Leers: Obroc res. (LBL M-12824, 17 July 1984, leg. J. Balicka).
- ***Juncus*** sp. (overwintered stems): Obroc res. (Chmiel 1978). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: margin of peat bog in *Vaccinio uliginosi-Pinetum*, wet meadow.***Lachnum fasciculare*** Velen.SYNONYMS: *Dasyscyphus fascicularis* (Velen.) Le Gal

HOST/SUBSTRATE/LOCALITY:

- ***Alnus*** sp. (fallen twigs): Zwierzyniec res. (Chmiel 1978). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Fagus sylvatica*** L. (fallen twigs): Czerkies res. (Chmiel 1978); Prof. Zygmunt Czubiński Reserve (LBL M-514, 4 Sept. 1979, leg. M. Chmiel). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*, *Dentario glandulosae-Fagetum*.

Lachnum fuscescens (Pers.) P. Karst.SYNONYMS: *Dasyscyphus fuscescens* (Pers.) Gray

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen leaves): Czerkies res., Jarugi res., Obroc res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Vaccinium uliginosum*** L. (fallen leaves): Kruglik Forest Range (LBL M-405, 20 June 1974, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Lachnum fuscescens* → ***Lachnum fuscescens*** var. ***fagicola******Lachnum fuscescens*** var. ***fagicola*** (W. Phillips) DennisSYNONYMS: *Dasyscyphus fuscescens* (Pers.) Gray var. *fagicola* (W. Phillips) Dennis

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen leaves and cupules): Nart res. (Sałata 1972); Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972; Chmiel 1978); Jarugi res., Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Kamienna Góra wild. (Sałata 1991). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b, as *Lachnum fuscescens*).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.***Lachnum nudipes*** (Fuckel) Nannf.SYNONYMS: *Dasyscyphus nudipes* (Fuckel) Fuckel

HOST/SUBSTRATE/LOCALITY:

- ***Aegopodium podagraria*** L. (stems): Szczebrzeszyn town (LBL M-7947, 9 Aug. 1987, leg. M. Chmiel).
- ***Corylus avellana*** L. (fallen twigs): Maziarki wild. (Chmiel 1978); Florianka wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Overwintered stems of herbaceous plants: Stoki wild., Zwierzyniec res. (Chmiel 1978); Florianka wild. (Sałata 1991); Szczebrzeszyn town (LBL M-7946, 16 June 1984, leg. M. Chmiel). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*, *Pino-Quercetum*, loess ravine, old orchard.***Lachnum pudibundum*** (Quél.) J. Schröt.SYNONYMS: *Dasyscyphus pudibundus* (Quél.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten wood): Bukowa Góra res., Czerkies res., Jarugi res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Rubus idaeus*** L. (stems): Szczebrzeszyn town (LBL M-12861 and LBL M-12862, 6 July 2003, leg. M. Chmiel).

– Bark (close to stump): Otrocz village (LBL M-7644, 5 Aug. 1998, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, garden.

Lachnum pulverulentum (Lib.) P. Karst.

SYNONYMS: *Dasyscyphus pulverulentus* (Lib.) Sacc.

HOST/SUBSTRATE/LOCALITY:

– ***Pinus sylvestris*** L. (fallen needles): Bukowa Góra res., Czerkies res., Zwierzyniec res. (Chmiel 1978); Nart res. (LBL M-555, 17 May 1975, *leg. M. Chmiel*); Obroc res. (LBL M-554, 24 May 1974, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Peucedano-Pinetum*, *Vaccinio myrtilli-Pinetum*, *Vaccinio uliginosi-Pinetum*, pine forest, pine-fir forest.

Lachnum pygmaeum (Fr.) Bres.

SYNONYMS: *Dasyscyphus pygmaeus* (Fr.) Sacc.

HOST/SUBSTRATE/LOCALITY:

– ***Quercus*** sp. (twigs and roots): Stoki wild. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: along roads in *Vaccinio myrtilli-Pinetum*.

Lachnum rhytismatis (W. Phillips) Nannf.

SYNONYMS: *Dasyscyphus rhytismatis* (Phill.) Sacc.

HOST/SUBSTRATE/LOCALITY:

– ***Quercus*** sp. (leaves): Nart-Czerkies res. (LBL M-571, 27 Apr. 1987, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Lachnum roridum (Wallr.) Rehm

SYNONYMS: *Dasyscyphus roridus* (Wallr.) Sacc.

HOST/SUBSTRATE/LOCALITY:

– ***Fagus sylvatica*** L. (fallen twigs): Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Szczecbrzeszyn town (LBL M-7645, 8 Aug. 1993, *leg. M. Chmiel*). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, old orchard.

Lachnum rubi → ***Capitotricha rubi***

Lachnum sulphureum (Pers.) P. Karst.

SYNONYMS: *Dasyscyphus sulphureus* (Pers.) Masee

HOST/SUBSTRATE/LOCALITY:

– ***Urtica dioica*** L.: Szczecbrzeszyn town (LBL M-7646, 8 Sept. 2001, *leg. M. Chmiel*).

– ***Urtica*** sp.: Szczecbrzeszyn town (LBL M-7964, 16 June 1984, *leg. M. Chmiel*).

- Overwintered stems of herbaceous plants: Brodzka Góra hill near Szczebrzeszyn town (LBL M-7962, 22 March 1981, *leg. M. Chmiel*; LBL M-7963, 25 July 1984, *leg. M. Chmiel*; LBL M-7966, 20 Oct. 1985, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: xerothermic grassland, loess ravine, ravine, old orchard.

Lachnum tenuissimum (Quél.) Korf & W.Y. Zhuang

SYNONYMS: *Dasyscyphus pudicellus* (Quél.) Sacc., *Dasyscyphus tenuissimus* (Quél.) Dennis

HOST/SUBSTRATE/LOCALITY:

- ***Secale cereale*** L. (stems): Szczebrzeszyn town (LBL M-7968, 27 June 1987, *leg. M. Chmiel*).
- ***Triticum aestivum*** L. (stems): Szczebrzeszyn town (LBL M-7969, 25 Apr. 1992, *leg. M. Chmiel*).
- Stems of Poaceae plants: Brodzka Góra hill near Szczebrzeszyn town (LBL M-7956, 25 July 1984, *leg. M. Chmiel*; LBL M-7957, 7 June 1986, *leg. M. Chmiel*); Szczebrzeszyn town (LBL M-7967, 16 June 1984, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: loess ravine, stubble, xerothermic grassland.

Lachnum virgineum (Batsch) P. Karst.

SYNONYMS: *Dasyscyphus virgineus* (Batsch) Gray

HOST/SUBSTRATE/LOCALITY:

- ***Alnus*** sp. (fallen female catkins): Zwierzyniec res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Fagus sylvatica*** L. (fallen leaves, cupules, twigs): Bukowa Góra res. [Sałata 1969a, as *Dasyscypha virginea* (Batsch ex Fr.) Fuckel; Chmiel 1978]; Obroc res. [Sałata 1969a, as *Dasyscypha virginea* (Batsch ex Fr.) Fuckel; Chmiel 1978]; Czerkies res., Jarugi res., Nart res., Prof. Zygmunt Czubiński Reserve, Zwierzyniec res. (Chmiel 1978); Florianka wild., Kamienna Góra wild. (Sałata 1991); Horodzisko Forest Range (LBL M-585, 6 July 1975, *leg. M. Chmiel*); Kawęczynek village near Szczebrzeszyn town (LBL M-7972, 1 June 1991, *leg. M. Chmiel*); Lubycza Królewska town (LBL M-7679, 3 June 1986, *leg. M. Chmiel*); Nart-Czerkies res. (LBL M-431, 7 May 1975, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- ***Quercus*** sp. (fallen twigs): Bukowa Góra res., Czerkies res., Jarugi res., Nart res., Obroc res., Prof. Zygmunt Czubiński Reserve, Zwierzyniec res. (Chmiel 1978); Maziarki wild. (LBL M-430, 6 June 1974, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Rubus idaeus*** L. (dead stems): Horodyszczcze wild. near Kosobody village (LBL M-12811 and LBL M-12883, 3 June 1986, *leg. M. Chmiel*).
- ***Rubus*** sp. (dead stems): Bukowa Góra res., Czerkies res., Jarugi res., Nart res., Obroc res., Prof. Zygmunt Czubiński Reserve, Zwierzyniec res. (Chmiel 1978); Szczebrzeszyn town (LBL M-7904, 16 June 1984, *leg. M. Chmiel*; LBL M-7971, 13 May 1985, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Vaccinium uliginosum*** L. (dead stems): Zwierzyniec res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Carici elongatae-Alnetum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio uliginosi-Pinetum*, beech forest, roadside ditch in forest, margin of loess ravine, old orchard.

Lamprospora De Not.

Lamprospora crechqueraultii (Crouan) Boud.

HOST/SUBSTRATE/LOCALITY:

- Soil: Olszanka village (LBL M-7606 and LBL M-7607, 16 July 1998, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, road in *Tilio-Carpinetum*.

Lamprospora trachycarpa (Curr.) Seaver

SYNONYMS: *Plicaria ferruginea* Focke

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Florianka village near Zwierzyniec town (Domański 1997). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Lamprospora sp.

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses and thalli of *Marchantia* sp.; liverworts): Szczepieszyn town (LBL M-13187, 4 July 1992, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: old orchard.

Lanzia Sacc.

Lanzia luteovirescens (Roberge ex Desm.) Dumont & Korf

SYNONYMS: *Rutstroemia luteovirescens* (Roberge ex Desm.) W.L. White

HOST/SUBSTRATE/LOCALITY:

- *Acer* sp. (petioles of fallen leaves): Czerkies res. (Sałata 1972; Chmiel 1978); Szczepieszyn town (LBL M-8016, 20 Oct. 1985, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, ravine.

Lasiobelonium Ellis & Everh.

Lasiobelonium nidulum (J.C. Schmidt & Kunze) Spooner

SYNONYMS: *Dasyscyphus nidulus* (J.C. Schmidt & Kunze) Masee

HOST/SUBSTRATE/LOCALITY:

- Stems of herbaceous plants: Brodzka Góra hill near Szczepieszyn town (LBL M-7944, 25 July 1984, *leg. M. Chmiel*); Szczepieszyn town (LBL M-7943, 16 June 1984, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: xerothermic grassland, ravine.

Lasiobolus* Sacc.Lasiobolus ciliatus* → ***Lasiobolus papillatus****Lasiobolus equinus* → ***Lasiobolus papillatus******Lasiobolus papillatus* (Pers.) Sacc.**SYNONYMS: : *Lasiobolus ciliatus* (J.C. Schmidt) Boud., *Lasiobolus equinus* (O.F. Müll.) P. Karst, *Lasiobolus pilosus* (Fr.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Bukowa Góra res. (Sałata 1972; Chmiel 1977, 1978); Obrocz res. (Sałata 1972; Chmiel 1978); Obrocz village, Zwierzyniec town (Chmiel 1977); Nart res., Roztocze NP – near the Wieprz river, Stoki wild. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994); Czerkies res. (LBL M-3564, 24 July 1986, *leg. M. Chmiel*); Nart res. (LBL M-3560, 2 May 1968, *leg. B. Sałata*); Nart res. – sect. 101 (LBL M-3566, 17 July 1979, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, wet meadow.*Lasiobolus pilosus* → ***Lasiobolus papillatus******Leotia* Pers.*****Leotia lubrica* (Scop.) Pers.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1972); Obrocz res. (Sałata 1972; Chmiel 1978); Czerkies res., Jarugi res., Zwierzyniec res. (Chmiel 1978); Czartowe Pole res., Maziarki wild. (Sałata 1991); Kamienna Góra wild. (LBL M-3581, 20 Oct. 1976, *leg. M. Chmiel*); Olszanka village (LBL M-3579, 14 Oct. 1974, *leg. Z. Wajler*); Stoki wild. (LBL M-3578, 29 Oct. 1974, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Peucedano-Pinetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, alder forest, beech-hornbeam forest, under oak tree (margin of *Vaccinio myrtilli-Pinetum*).*Leptopodia atra* → ***Helvella atra******Leptotrochila* P. Karst.*****Leptotrochila ranunculi* (Fr.) Schüepp**

HOST/SUBSTRATE/LOCALITY:

- ***Ranunculus acris* L.**: Stoki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

- *Ranunculus auricomus* L. s.l.: Biała Góra hill near Tomaszów Lubelski town (LBL M-3617, 26 Aug. 1982, leg. J. Romaszewska-Sałata).

PLANT COMMUNITY/HABITAT: *Peucedano cervariae-Coryletum*, roadside in young pine forest.

Leptotrochila verrucosa (Wallr.) Schüepp.

HOST/SUBSTRATE/LOCALITY:

- *Cruciata glabra* (L.) Ehrend. [= *Galium vernum* Scop.]: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets on meadow.

Leucoscypha Boud.

Leucoscypha leucotricha (Alb. & Schwein.) Boud.

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (rotten wood): Zwierzyniec res. (LBL M-3638, 22 July 1977, leg. M. Chmiel).
 – Litter of coniferous trees: Zwierzyniec res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*, *Vaccinio uliginosi-Pinetum*.

Lirula Darker

Lirula macrospora (R. Hartig) Darker

SYNONYMS: *Lophodermium macrosporum* (R. Hartig) Rehm

HOST/SUBSTRATE/LOCALITY:

- *Picea abies* (L.) H. Karst. (fallen needles): Obroc res. (Sałata 1972). Cited by Chmiel (1978, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Lophodermium Chevall.

Lophodermium juniperi → *Lophodermium juniperinum*

Lophodermium juniperinum (Fr.) De Not

SYNONYMS: *Lophodermium juniperi* (Grev.) Darker

HOST/SUBSTRATE/LOCALITY:

- *Juniperus* sp. (needles): Nart-Czerkies res. (LBL M-3658, 27 Apr. 1987, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*.

Lophodermium macrosporum → *Lirula macrospora*

Lophodermium pinastri (Schrad.) Chevall.SYNONYMS: *Hysterium pinastri* Schrad.

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (fallen needles): Forests of the Zamoyski family estate (Gordziałowski 1899); Bukowa Góra res., Czerkies res., Nart res., Prof. Zygmunt Czubiński Reserve, Stoki wild., Zwierzyniec res. (Chmiel 1978); Kamienna Góra wild. (Sałata 1991); Kawęczynek village near Szczepieszyn town (LBL M-8034, 1 June 1991, leg. M. Chmiel); Krasnobród town (LBL M-13240, 2 June 1986, leg. M. Chmiel); Nart-Czerkies res. (LBL M-3683, 27 Apr. 1987, leg. M. Chmiel); Szczepieszyn town (LBL M-13244, 3 May 2003, leg. M. Chmiel). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Peucedano-Pinetum*, *Vaccinio myrtilli-Pinetum*, *Vaccinio uliginosi-Pinetum*, pine forest, pine-fir forests, loess ravine.*Marssonina rosae* → ***Diplocarpon rosae******Melastiza*** Boud.***Melastiza chateri*** (W.G. Sm.) Boud.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: along a road in *Vaccinio myrtilli-Pinetum*.***Micropodia*** Boud.***Micropodia pteridina*** (Nyl.) Boud.SYNONYMS: *Mollisia pteridina* (Nyl.) P. Karst., *Pezizella pteridina* (Nyl.) Rehm.

HOST/SUBSTRATE/LOCALITY:

- ***Dryopteris filix-mas*** (L.) Schott (ferns; petioles of overwintered leaves): Nart res. (LBL M-4875, 17 June 1967, leg. B. Sałata).
- ***Pteridium*** sp. (ferns; petioles of overwintered leaves): Ulów village (LBL M-13273, 2 June 1986, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: not listed.

Microsphaera alphitoides → ***Erysiphe alphitoides****Microsphaera astragali* → ***Erysiphe astragali****Microsphaera berberidis* → ***Erysiphe berberidis****Microsphaera divaricata* → ***Erysiphe divaricata****Microsphaera euonymi* → ***Erysiphe euonymi****Microsphaera friesii* → ***Erysiphe friesii****Microsphaera grossulariae* → ***Erysiphe grossulariae***

Microsphaera hedwigii → ***Erysiphe viburni***
Microsphaera hypophylla → ***Erysiphe hypophylla***
Microsphaera palczewskii → ***Erysiphe palczewskii***
Microsphaera tortilis → ***Erysiphe tortilis***
Microsphaera vanbruntiana → ***Erysiphe vanbruntiana***
Microsphaera viburni → ***Erysiphe viburni***
Microsphaeropsis olivacea → ***Coniothyrium olivaceum***

Miladina Svrček

Miladina lecithina (Cooke) Svrček

HOST/SUBSTRATE/LOCALITY:

- ***Alnus*** sp. (log lying in a stream): Zwierzyniec res. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*.

NOTES: In all publications the fungus was reported as *Miladina* ‘*lechithina*’ (probably a misprint).

Mitrula Fr.

Mitrula paludosa Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (leaves lying nearby the spring): Zwierzyniec res. (Chmiel 1978); Florianka wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Pinus sylvestris*** L. (needles lying nearby the spring): Zwierzyniec res. (Chmiel 1978); Florianka wild. (Sałata 1991); Zwierzyniec res. (LBL M-4408, 3 July 1987, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Plant debris (lying nearby the spring): Czartowe Pole res. (LBL M-13300, 7 May 2004, *leg. B. Czarnecka*).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*.

Mollisia (Fr.) P. Karst.

Mollisia abdita (Ellis) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Juglans regia*** L. (petioles of fallen leaves): Szczebrzeszyn town (LBL M-7656, 2 May 1994, *leg. M. Chmiel*; LBL M-7655, LBL M-7657 and LBL M-7658, 30 March 1998, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: old orchard.

Mollisia atrata (Pers.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Aegopodium podagraria* L. (petioles of fallen leaves): Szczebrzeszyn town (LBL M-7654, 23 Aug. 1993, leg. M. Chmiel).
- *Arctium* sp. (overwintered stems): Szczebrzeszyn town (LBL M-8193, 9 July 1978, leg. M. Chmiel).
- *Helianthus* sp. (dead stems): Szczebrzeszyn town (LBL M-7637, 25 June 1999, leg. M. Chmiel).
- Dead stems of herbaceous plant: Szczebrzeszyn town (LBL M-7633, 7 June 1986, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: old orchard, garden.

Mollisia benesuada → *Pyrenopeziza benesuada*

Mollisia cinerea (Batsch) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen twigs): Bukowa Góra res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Alnus* sp. (fallen twigs): Zwierzyniec res. (Chmiel 1978); Siedliska village (LBL M-7701, 3 June 1986, leg. M. Chmiel). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Betula* sp. (log): Bukowa Góra res. (LBL M-4433, 5 Sept. 1975, leg. M. Chmiel).
- *Carpinus betulus* L. (fallen twigs): Obroc res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (fallen twigs): Bukowa Góra res. (Sałata 1972); Czerkies res., Jarugi res., Obroc res., Prof. Zygmunt Czubiński Reserve, Zwierzyniec res. (Chmiel 1978); Horodzisko village (LBL M-4437 and LBL M-4438, 6 July 1876, leg. M. Chmiel); Nart res. (LBL M-4445, 17 July 1979, leg. M. Chmiel). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- Twigs of coniferous and deciduous trees: Florianka wild., Kamienna Góra wild. (Sałata 1991); Kawęczynek village near Szczebrzeszyn town (LBL M-8198, 1 June 1991, leg. M. Chmiel); Kruglik wild. (LBL M-4431, 20 June 1874, leg. M. Bednarczyk); Maziarki wild. (LBL M-4427, 27 July 1873, leg. M. Bednarczyk); Nart res. (LBL M-13389, 8 Sept. 1994, leg. M. Chmiel); Obroc res. (LBL M-4429, 20 Aug. 1874, leg. M. Chmiel); Obroc village (LBL M-4428, 20 March 1874, leg. M. Bednarczyk).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Carici elongatae-Alnetum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, *Vaccinio-uliginosi-Pinetum*, thickets next to the stream, loess ravine, roadside.

Mollisia clavata Gremmen

HOST/SUBSTRATE/LOCALITY:

- *Rubus idaeus* L. (stems): Horodyszczce village (LBL M-12811, 2 June 1986, leg. M. Chmiel).
- *Rubus* sp. (stems): Horodyszczce village (LBL M-13325, 3 June 1986, leg. M. Chmiel); Ulów village (LBL M-13324, 2 June 1986, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: fir forest, roadside ditch in forest.

Mollisia crumenuloides Rehm

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (bark): Obroc res. (Chmiel 1978). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest.

Mollisia discolor (Mont.) W. PhillipsSYNONYMS: *Mollisia discolor* (Mont.) W. Phillips var. *longispora* Le Gal

HOST/SUBSTRATE/LOCALITY:

- *Malus* sp. (twigs): Szczepreszyn town (LBL M-8206, 13 May 1989, *leg. M. Chmiel*; LBL M-8207, 25 Apr. 1992, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: old orchard.

Mollisia escharodes (Berk. & Broome) GremmenSYNONYMS: *Pyrenopeziza escharodes* (Berk. & Broome) Rehm

HOST/SUBSTRATE/LOCALITY:

- *Rubus fruticosus* L. nom. ambig. (stems): Ulów village (LBL M-13606, 2 June 1986, *leg. M. Chmiel*).
- *Rubus idaeus* L. (overwintered stems): Szczepreszyn town (LBL M-8326, 20 Oct. 1985, *leg. M. Chmiel*; LBL M-8327, 3 May 1991, *leg. M. Chmiel*; LBL M-7670, 4 July 1992, *leg. M. Chmiel*; LBL M-8328, 23 Aug. 1993, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: along a road in fir forest, old orchard.

Mollisia ligni (Desm.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten logs): Czerkies res., Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Kamienna Góra wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Picea abies* (L.) H. Karst. (fallen cones): Bukowa Góra res. (LBL M-4476, 25 July 1976, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.***Mollisia melaleuca*** (Fr.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Alnus* sp. (fallen twigs): Bukowa Góra res., Zwierzyniec res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (fallen twigs): Czerkies res., Obroc res. (Sałata 1972; Chmiel 1978); Jarugi res. (Chmiel 1978); Nart res. (LBL M-4490, 25 Apr. 1978, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

- *Vaccinium uliginosum* L. (fallen stems): Bukowa Góra res., Czerkies res., Jarugi res., Obroc res., Zwierzyniec res. (Chmiel 1978); Kruglik wild. (LBL M-4482, 20 June 1974, leg. M. Chmiel). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Dead twigs: Maziarki wild. (LBL M-4480, 10 July 1973, leg. M. Bednarczyk); Szczebrzeszyn town (LBL M-8212, 27 June 1987, leg. M. Chmiel; LBL M-8213, 15 Aug. 1992, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Carici elongatae-Alnetum*, *Dentario glandulosae-Fagetum*, *Vaccinio uliginosi-Pinetum*, fir forest, loess ravine, old orchard.

Mollisia olivascens (Feltgen) Le Gal & F. Mangenot

SYNONYMS: *Haglundia perelegans* Haglund ex Nannf.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten wood): Czerkies res., Jarugi res. (Chmiel 1978). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Mollisia pteridina → *Micropodia pteridina*

Mollisia rosae (Pers.) P. Karst.

SYNONYMS *Tapesia rosae* (Pers.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- *Rosa* sp. (twigs): Biała Góra hill near Tomaszów Lubelski town (LBL M-8376, 26 Aug. 1982, leg. M. Chmiel); Brodzka Góra hill near Szczebrzeszyn town (LBL M-8377, 25 July 1984, leg. M. Chmiel); Szczebrzeszyn town – Szperówka district (LBL M-8378, 27 June 1986, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: xerothermic grassland, loess ravine.

Mollisia ventosa P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Dead twigs: Szczebrzeszyn town (LBL M-8218, 30 July 1991, leg. M. Chmiel); Szczebrzeszyn town – Szperówka district (LBL M-8217, 27 June 1987, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: thickets in loess ravine.

***Mollisia* sp.**

HOST/SUBSTRATE/LOCALITY:

- *Galinsoga* sp. (stems): Szczebrzeszyn town (LBL M-7636, 23 Aug. 1993, leg. M. Chmiel).
- *Rubus idaeus* L. (dead stems): Szczebrzeszyn town (LBL M-13279, 6 July 2003, leg. M. Chmiel).
- Dead stems of herbaceous plants: Szczebrzeszyn town (LBL M-7635, 7 June 1986, leg. M. Chmiel; LBL M-13276, 4 July 1992, leg. M. Chmiel).
- Dead twigs: Szczebrzeszyn town (LBL M-13277, 4 July 1992, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: old orchard, garden.

Monilia cinerea → ***Monilinia laxa***

Monilinia Honey

Monilinia baccarum (J. Schröt.) Whetzel

SYNONYMS: *Sclerotinia baccarum* Schröt.

HOST/SUBSTRATE/LOCALITY:

- Among mosses and *Vaccinium myrtillus* L.: Bełżec village (LBL M-5446, 13 June 1967, leg. B. Sałata).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*.

Monilinia fructigena Honey

HOST/SUBSTRATE/LOCALITY:

- *Malus* sp. (mummified fruits): Szczebrzeszyn town (LBL M-4528, 9 July 1978, leg. M. Chmiel; LBL M-8226, 4 July 1992, leg. M. Chmiel; LBL M-8224 and LBL M-8225, 8 Aug. 1993, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: old orchard.

Monilinia laxa (Aderh. & Ruhland) Honey

SYNONYMS: *Monilia cinerea* Bonord.

HOST/SUBSTRATE/LOCALITY:

- *Cerasus vulgaris* Mill.: Tomaszów Lubelski town (Garbowski 1935). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: orchard.

NOTES: The fungus was collected in anamorphic stage.

Morchella Dill. ex Pers.

Morchella conica → ***Morchella esculenta***

Morchella conica var. *deliciosa* → ***Morchella deliciosa***

Morchella deliciosa Fr.

SYNONYMS: *Morchella conica* Pers. var. *deliciosa* (Fr.) Catto

HOST/SUBSTRATE/LOCALITY:

- Soil: Topólcza village near Szczebrzeszyn town (LBL M-4539, 2 Sept. 1993, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: loess ravine.

Morchella elata Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra Protected District – sect. 224g,h (2008, pers. obs. P. Tchórzewski).

PLANT COMMUNITY/HABITAT: not listed.

Morchella esculenta (L.) Pers.SYNONYMS: *Morchella conica* Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Sałata 1969a, 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze NP – without precise location (Chmiel *et al.* 1994; Mułenko *et al.* 2013); Zwierzyniec town (Mułenko *et al.* 2015); Bukowa Góra Protected District – sect. 224g,h (2008, *pers. obs. P. Tchórzewski*), sect. 217 (2011, *pers. obs. B. Radliński*); Guciów village (LBL M-8227, 26 Apr. 1999, *leg. M. Jarocka*); Obroc Protected District – sect. 262c (2013, *pers. obs. P. Stachyra*). Cited by Chmiel (1978, 2006), Sałata (1991), Białobrzaska (2013) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, lawn, among grass under ash tree.***Morchella gigas*** (Batsch) Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: Słupy Protected District – sect. 83k (2007, *pers. obs. B. Radliński*). Cited by Białobrzaska (2013).

PLANT COMMUNITY/HABITAT: forest by the river.

Mycosphaerella Johanson***Mycosphaerella fragariae*** (Tul.) LindauSYNONYMS: *Ramularia grevilleana* (Tul. & C. Tul.) Jørst.

HOST/SUBSTRATE/LOCALITY:

- ***Fragaria* × *ananassa*** Duchesne: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Fragaria vesca*** L.: Tomaszów Lubelski town (Sałata 1991); Biała Góra hill near Tomaszów Lubelski town (LBL M-21480, 4 June 1982, *leg. A. Piotrowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: garden.

NOTES: The fungus was collected in anamorphic stage.

Mycosphaerella millegrana (Cooke) J. Schröt.SYNONYMS: *Cercospora microsora* Sacc., *Passalora microsora* (Sacc.) U. Braun

HOST/SUBSTRATE/LOCALITY:

- ***Tilia cordata*** Mill.: Tomaszów Lubelski town (Sałata 1991); Narol town (Świdarska-Burek 2015). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: along a road.

NOTES: The fungus was collected in anamorphic stage.

Mycosphaerella podagrariae (Roth) Petr.

SYNONYMS: *Asteromella aegopodii* (Curr.) Petr., *Phyllachora podagrariae* (Roth) P. Karst., *Phyllosticta aegopodii* (Curr.) Allesch.

HOST/SUBSTRATE/LOCALITY:

- ***Aegopodium podagraria*** L.: Nart res., Obroc village, Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b) and Ruszkiewicz-Michalska (2016).

PLANT COMMUNITY/HABITAT: beech forest, mixed forest, thickets on meadow.

NOTES: The fungus was collected in anamorphic and teleomorphic stages.

Mycosphaerella ribis (Sacc.) Lindau

SYNONYMS: *Septoria ribis* (Lib.) Desm.

HOST/SUBSTRATE/LOCALITY:

- ***Ribes rubrum*** L.: Branew village near Janów Lubelski town (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

NOTES: The fungus was collected in anamorphic stage.

Nectria (Fr.) Fr***Nectria cinnabarina*** (Tode) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Acer pseudoplatanus*** L.: Kosobody Forest Range (Chlebicki 1988). Cited by Kozłowska *et al.* (2015b).
- ***Acer*** sp.: Forests of the Zamoyski family estate (Gordziałowski 1899). Cited by Kozłowska *et al.* (2015b).
- ***Carpinus betulus*** L. (fallen twig): Tarnawa village (LBL M-4586, 11 Nov. 1974, *leg.* Z. Wajler).
- ***Fagus sylvatica*** L. (fallen twig): Szczepieszyn town – Szperówka district (LBL M-13353, 14 Oct. 1992, *leg.* M. Chmiel).
- Trunks and fallen twigs of deciduous trees: Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, *Tilio-Carpinetum* in loess ravine.

NOTES: The fungus was collected in anamorphic and teleomorphic stages.

Nectria ditissima → ***Neonectria ditissima******Nectria peziza*** (Tode) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (dead trunk): Olszanka village (LBL M-13357, 7 Nov. 1965, *leg.* K. Karczmarz).

- Stump: Biała Góra hill near Tomaszów Lubelski town (LBL M-13358, 24 Aug. 1994, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: along a road in pine-hornbeam forest.

Neobulgaria Petr.

Neobulgaria pura (Pers.) Petr.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen branches, fresh logs): Bukowa Góra res. (Sałata 1972; Chmiel 1978); Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Kamienna Góra wild. (Sałata 1991). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- Wood of deciduous tree: Nart-Czerkies res. (Sałata 1988, without precise location from Roztocze NP; LBL M-4593, 18 Sept. 1986, leg. M. Chmiel). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Neoërysiphe U. Braun

Neoërysiphe galeopsidis (DC.) U. Braun

SYNONYMS: *Erysiphe galeopsidis* (DC.) Mérat

HOST/SUBSTRATE/LOCALITY:

- *Ballota nigra* L.: Tomaszów Lubelski town (Sałata 1991); Lubycza Królewska town (LBL M-12429, 8 June 1983, leg. A. Piotrowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Galebdolon luteum* Huds.: Bukowa Góra res., Czerkies res., Jarugi res. (Sałata 1991); Narol town (LBL M-11673, 20 Aug. 1992, leg. B. Hypiak); Żyłka village near Bełżec village (LBL M-1741, 25 Oct. 1989, leg. A. Dudzik). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Galeopsis pubescens* Besser: Czerkies res., Jarugi res., Maziarki wild., Stoki wild., Tomaszów Lubelski town (Sałata 1991); Guciów village (LBL M-11209, 7 Aug. 1984, leg. J. Balicka); Obroc res. (LBL M-1555, 17 Aug. 1974, leg. A. Jasińska); Obroc village – near forester lodge (LBL M-1556, 8 Sept. 1974, leg. A. Jasińska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Galeopsis tetrahit* L.: Maziarki wild., Pasieki village, Tomaszów Lubelski town (Sałata 1991); Czarnystok village near Szczebrzeszyn town (LBL M-1599, 10 Aug. 1977, leg. A. Poświatowska); Nad Tanwią res. (LBL M-11217, 3 Aug. 1981, leg. L. Czyżewska); Sochy village (LBL M-1600 and LBL M-1602, 15 Sept. 1977, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Glechoma hederacea* L.: surroundings of Szczebrzeszyn town (Sałata 1985); Latyczyn village near Szczebrzeszyn town (LBL M-1611, 5 Nov. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

- *Lamium album* L.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1969); Guciów village, Kosobudy village, Obroczy village, Susiec village, Tomaszów Lubelski town (Sałata 1991); Łaszczówka village near Tomaszów Lubelski town (LBL M-12434, 12 Sept. 1981, leg. A. Piotrowska); Nad Tanwią res. (LBL M-11233, 2 Aug. 1982, leg. L. Czyżewska); Przeorsk village (LBL M-12437, 29 Aug. 1981, leg. A. Piotrowska); Turzyniec village near Szczebrzeszyn town (LBL M-1633, 8 Oct. 1977, leg. A. Poświatowska). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Lamium maculatum* L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Lamium purpureum* L.: Susiec village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Leonurus cardiaca* L.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1969); Kosobudy village (Sałata 1991); Nad Tanwią res. (LBL M-11270, 26 June 1981, leg. L. Czyżewska). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Melittis melissophyllum* L.: Maziarki wild. (Wołczańska 2008). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Stachys palustris* L.: Tomaszów Lubelski town (Sałata 1991). Cited by Mułenko *et al.* (2015).
- *Stachys sylvatica* L.: Bukowa Góra res. (Sałata & Romaszewska-Sałata 1969); Nad Tanwią res. – near Kościółek hill (LBL M-11275, 5 Oct. 1981, leg. L. Czyżewska). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Peucedano-Pinetum*, beech forest, beech-fir forest, beech-hornbeam forest, thickets on meadow, forest glade, meadow, roadsides, garden, at the fence, potato cultivation, rubbish heap, rubble.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Romaszewska-Sałata (1981) and Chmiel *et al.* (1994).

Neoërysiphe galii (S. Blumer) U. Braun

SYNONYMS: *Erysiphe galii* S. Blumer

HOST/SUBSTRATE/LOCALITY:

- *Galium mollugo* L.: Bukowa Góra res. (Sałata 1991); Nad Tanwią res. (LBL M-11282, 5 Oct. 1981, leg. L. Czyżewska); Turzyniec village near Szczebrzeszyn town (LBL M-1803, 9 Oct. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Galium odoratum* (L.) Scop.: Roztocze NP – without precise location (Sałata 1985); Bukowa Góra res., Czerkies res., Jarugi res. (Sałata 1991); Żyłka village near Bełżec village (LBL M-1829, 25 Oct. 1989, leg. A. Dudzik). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside in fir forest, beech forest, meadow, dry thickets.

Neogyromitra gigas → *Gyromitra gigas*

Neonectria Wollenw.***Neonectria ditissima*** (Tul. & C. Tul.) Samuels & RossmanSYNONYMS: *Nectria ditissima* Tul. & C. Tul.

HOST/SUBSTRATE/LOCALITY:

- ***Quercus*** sp.: Forests of the Zamoyski family estate (Gordziałowski 1899). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Octospora Hedw.*Octospora aggregata* → ***Byssonectria fusispora******Octospora humosa*** (Fr.) Dennis

HOST/SUBSTRATE/LOCALITY:

- Soil (close to stump): Stoki wild. (Chmiel 1978); Obroc res. (LBL M-4607, 6 June 1974, *leg. M. Bednarczyk*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, *Vaccinio myrtilli-Pinetum*.***Octospora rustica*** (Velen.) J. Moravec

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Szczepreszyn town (LBL M-4611, 4 July 1992, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: old orchard.

Oidium oxalidis → ***Erysiphe russellii******Ombrophila*** Fr.***Ombrophila janthina*** (Fr.) Sacc.SYNONYMS: *Ombrophila violacea* (Hedw.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Plant litter: Zwierzyniec town (LBL M-4647, 3 July 1987, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: next to the stream.

Ombrophila sarcoides → ***Ascocoryne sarcoides****Ombrophila violacea* → ***Ombrophila janthina******Ophiocordyceps*** Petch***Ophiocordyceps sphecocephala*** (Klotzsch ex Berk.) G.H. Sung, J.M. Sung, Hywel-Jones & SpataforaSYNONYMS: *Cordyceps sphecocephala* (Klotzsch ex Berk.) Berk. & M.A. Curtis [as ‘*sphaecophila*’]

HOST/SUBSTRATE/LOCALITY:

- Dead wasp (insects; Hymenoptera) burried in plant litter: Kosobudy village (Sałata 1969a); Obroc res. (Sałata 1969a, 1972). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest, fir forest.

Orbilina Fr.***Orbilina auricolor*** (A. Bloxam) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten logs): Bukowa Góra res., Czerkies res. (Chmiel 1978). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Orbilina luteorubella (Nyl.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (log): Czerkies res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Pinus sylvestris*** L. (stump): Czartowe Pole res. (Sałata 1991).
- Bark and branches of deciduous trees: Szczebrzeszyn town (LBL M-8243, 27 June 1987, leg. M. Chmiel); Zwierzyniec town (LBL M-4657, 30 July 1987, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, pine forest, thickets in loess ravine, next to the stream.

Orbilina sarraziniana Boud.

HOST/SUBSTRATE/LOCALITY:

- ***Alnus*** sp. (branch and twigs): Zwierzyniec res. (Chmiel 1978); Florianka wild. (Sałata 1991). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Fagus sylvatica*** L. (rotten log): Jarugi res. (Chmiel 1978); Florianka wild. (Sałata 1991). Cited by Chmiel (1982, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*, *Dentario glandulosae-Fagetum*.

Orbilina xanthostigma (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (logs and stumps): Bukowa Góra res., Obroc res. (Sałata 1972; Chmiel 1978); Czerkies res., Nart res. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- ***Betula*** sp. (logs and stumps): Bukowa Góra res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

- *Carpinus betulus* L. (logs and stumps): Jarugi res., Nart res. (Chmiel 1978); Otrocz village (LBL M-7660, 5 Aug. 1998, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (logs and stumps): Czerkies res., Obroc res. (Chmiel 1978); Bukowa Góra res. (LBL M-4689, 11 Oct. 1979, *leg. M. Chmiel*); Nart res. (LBL M-4690, 17 July 1979, *leg. M. Chmiel*); Obroc res. (LBL M-4704, 24 July 1986, *leg. M. Chmiel*); Otrocz village (LBL M-7660, 5 Aug. 1998, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Picea abies* (L.) H. Karst. (logs and stumps): Bukowa Góra res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Pinus sylvestris* L. (logs and stumps): Czerkies res., Obroc res. (Chmiel 1978); Kruglik Forest Range (LBL M-4670, 20 June 1974, *leg. M. Bednarczyk*); Maziarki wild. (LBL M-4671, 20 Aug. 1974, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Fallen twigs, stumps and logs of coniferous and deciduous trees: Zwierzyniec res. (Chmiel 1978); Florianka wild. (Sałata 1991); Nart res. (LBL M-13389, 8 Sept. 1994, *leg. M. Chmiel*); Szczbrzeszyn town (LBL M-7661, Sept. 2001, *leg. M. Chmiel*); Tarnawa duża village (LBL M-8251, 10 Oct. 1984, *leg. P. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, *Vaccinio uliginosi-Pinetum*.

Otidea (Pers.) Bonord.

Otidea alutacea (Pers.) Massee

HOST/SUBSTRATE/LOCALITY:

- Soil: Maziarki wild. (Chmiel 1978); Roztocze NP – without precise location (Sałata 1988); Tarnawa village (LBL M-7608, 19 Aug. 1996, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: road in *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, mixed forest.

Otidea bufonia (Pers.) Boud. NOTES: The fungus was incorrectly listed by Sałata (1991) who cited data of Sałata (1988). However, the last author did not report this species from the Roztocze region. In the latter paper the species was reported from Bachus res. near Chełm town (*leg. M. Chmiel*).

Otidea cochleata (L.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Chmiel 1978); Zwierzyniec town (LBL M-4714, 18 Sept. 1965, *leg. B. Sałata*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: young pine forest.

Otidea onotica (Pers.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Obroc z res. (Sałata 1972; Chmiel 1978); Jarugi res. (Chmiel 1978); Roztocze NP – without precise location (Sałata 1988); Bukowa Góra res. (LBL M-4728, 29 Oct. 1974, *leg. M. Chmiel*); Tarnawa village (LBL M-4726, 26 Aug. 1974, *leg. Z. Wajler*; LBL M-4735, 19 Oct. 1984, *leg. P. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, young pine forest.

Ovularia haplospora → ***Ramularia aplospora***

Ovularia monosporia → ***Ramularia rubella***

Ovularia schroeteri → ***Ramularia aplospora***

Ovularia stellariae → ***Phacellium episphaerium***

Parastagonospora Quaedvl., Verkley & Crous

Parastagonospora avenae (A.B. Frank) Quaedvl., Verkley & Crous

SYNONYMS: *Septoria avenae* A.B. Frank, *Stagonospora avenae* (A.B. Frank) Bissett

HOST/SUBSTRATE/LOCALITY:

- ***Phalaris arundinacea*** L.: Żyłka village near Bełzec village (LBL M-23822, 25 Oct. 1989, *leg. A. Dudzik*).

PLANT COMMUNITY/HABITAT: alder forest.

NOTES: The fungus was collected in anamorphic stage. Kozłowska *et al.* (2015b) incorrectly cited this fungus on *Arrhenatherum elatius* (L.) P. Beauv. ex J. Presl & C. Presl. Herbarium specimen was re-identified by M. Kozłowska.

Passalora Fr.

Passalora galii (Ellis & Holw.) Arx

HOST/SUBSTRATE/LOCALITY:

- ***Galium schultesii*** Vest. [= *Galium intermedium* Schult.]: Maziarki wild. (Świdorska-Burk 2015).

PLANT COMMUNITY/HABITAT: not listed.

NOTES: The fungus was collected in anamorphic stage.

Passalora microsora → ***Mycosphaerella millegrana***

Passalora montana (Speg.) U. Braun & Crous

SYNONYMS: *Ramularia montana* Speg.

HOST/SUBSTRATE/LOCALITY:

- *Chamaenerion angustifolium* (L.) Scop.: Roztocze NP – near Stawy Echo ponds (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside in pine forest.

NOTES: The fungus was collected in anamorphic stage.

Paxina acetabulum → *Helvella acetabulum*

Perisporium funiculatum → *Preussia funiculata*

Petrakia Syd. & P. Syd.

Petrakia irregularis Aa

HOST/SUBSTRATE/LOCALITY:

- Old stromata of Diaporthales (fungi) inhabiting fallen twigs of *Acer pseudoplatanus* L.: Kosobudy Forest Range – sect. 80 (Chlebicki 1988). Cited by Chlebicki & Skirgiełło (1995) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

NOTES: The fungus was collected in anamorphic stage.

Pezicula Tul. & C. Tul.

Pezicula livida (Berk. & Broome) Rehm

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (bark): Ulów village (LBL M-13412, 2 June 1986, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: fir forest.

Peziza Dill. ex Fr.

Peziza anthracophila → *Tarzetia catinus*

Peziza arvernensis Roze & Boud.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten logs, decayed wood): Czerkies res., Jarugi res. (Chmiel 1978); Prof. Zygmunt Czubiński Reserve (Chmiel 1981); Kamienna Góra wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Peziza badia Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: Nart res. (Sałata 1972); Czerkies res., Stoki wild. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994); Obrocz res. (LBL M-4755, 29 July 1965, leg. B. Sałata);

Tarnawa village (LBL M-7609, 19 Aug. 1996, leg. *M. Chmiel*); Tarnawa Duża village (LBL M-4764, 6 Nov. 1984, leg. *P. Chmiel*); Zwierzyniec res. (LBL M-4760, 25 July 1976, leg. *M. Chmiel*). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Peucedano-Pinetum*, *Tilio-Carpinetum*, *Vaccinio myrtilli-Pinetum*.

Peziza badioconfusa → *Peziza phyllogena*

Peziza badiofusca (Boud.) Dennis

HOST/SUBSTRATE/LOCALITY:

- Soil: Maziarki wild. (LBL M-4771, 27 July 1974, leg. *M. Chmiel*; LBL M-4772, 17 July 1975, leg. *M. Chmiel*); Tarnawa village (LBL M-4770, 16 July 1974, leg. *Z. Wajler*).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, *Tilio-Carpinetum*.

Peziza badiofuscoides Donadini

HOST/SUBSTRATE/LOCALITY:

- Soil: Batorz village (LBL M-7612, 19 Aug. 1996, leg. *M. Chmiel*).

PLANT COMMUNITY/HABITAT: road in *Pino-Quercetum*.

Peziza cerea Sowerby

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Czerkies res., Jarugi res. (Chmiel 1978); Kruglik Forest Range – sect. 158 (LBL M-4776, 20 Aug. 1976, leg. *M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Soil (close to trunk of *Carpinus betulus* L.): Czerkies res., Jarugi res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.

Peziza crassipes → *Peziza paludicola*

Peziza cupularis → *Tarzetia cupularis*

Peziza echinospora P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Soil: Jarugi res., Maziarki wild. (Chmiel 1978); Czartowe Pole res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, alder forest, mixed forest.

Peziza emileia → *Peziza howsei*

Peziza fimeti (Fuckel) E.S. Hansen

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Nart res. (Sałata 1972); Obroc res. (Sałata 1972; Chmiel 1978); Czerkies res. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994); Czerkies res. (LBL M-4800, 24 July 1986, *leg. M. Chmiel*). Cited by Sałata (1991), Domański (1997), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.*Peziza hemisphaerica* → ***Humaria hemisphaerica******Peziza howsei*** Roze & Boud.SYNONYMS: *Peziza emileia* Cooke

HOST/SUBSTRATE/LOCALITY:

- Soil: Jarugi res. (Chmiel 1978); near Maziarki wild. (Chmiel 1981); Szczebrzeszyn town (LBL M-4793, 17 July 1982, *leg. M. Chmiel*; LBL M-4794, 20 Sept. 1986, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, mixed forest, thickets in ravine, orchard.*Peziza leiocarpa* → ***Plicaria endocarpoides******Peziza michelii*** (Boud.) DennisSYNONYMS: *Peziza plebeia* (Le Gal) Nannf.

HOST/SUBSTRATE/LOCALITY:

- Soil: Maziarki wild. (LBL M-4818, 17 July 1974, *leg. M. Chmiel*); Topólcza village near Szczebrzeszyn town (LBL M-4802, 12 July 1991, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, road in ravine.***Peziza micropus*** Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (twigs and logs): Bukowa Góra res., Czerkies res., Nart res., Obroc res., Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Czerkies res. (LBL M-4815, 24 July 1986, *leg. M. Chmiel*); Lubycza Królewska town (LBL M-13431 and LBL M-13432, 3 June 1986, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.*Peziza micropus* → ***Peziza varia*** f. ***lignicola****Peziza omphalodes* → ***Pyronema omphalodes***

Peziza paludicola (Boud.) Sacc. & TraversoSYNONYMS: *Peziza crassipes* Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Chmiel 1978). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: on the road in *Dentario glandulosae-Fagetum*.***Peziza phyllogena*** CookeSYNONYMS: *Peziza badioconfusa* Korf

HOST/SUBSTRATE/LOCALITY:

- Soil: Otrocz village (LBL M-7610, 19 Aug. 1996, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: along a road in *Pino-Quercetum*.*Peziza plebeia* → ***Peziza michelii******Peziza proteana*** (Boud.) Seaver

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Batorz village (LBL M-7613, 19 Aug. 1996, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.*Peziza pustulata* → ***Tarzetta catinus******Peziza repanda*** Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten log): Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991; LBL M-4824, 18 Sept. 1986, *leg. M. Chmiel*). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).
- Plant litter: Olszanka village (LBL M-7614, 16 July 1998, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Peziza saniosa*** Schrad.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Sałata 1972); Olszanka village (LBL M-7615, 19 Aug. 1996, *leg. M. Chmiel*). Cited by Chmiel (1978, 2006), Sałata (1991), Domański (1997) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Peziza scutellata* → ***Scutellinia scutellata***

Peziza sterigmatizans W. Phillips

HOST/SUBSTRATE/LOCALITY:

- Soil: Jarugi res. (Chmiel 1978). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Peziza succosa*** Berk.

HOST/SUBSTRATE/LOCALITY:

- Soil: Jarugi res., Maziarki wild., Obroc res. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994); Olszanka village (LBL M-7616, 19 Aug. 1996, *leg. M. Chmiel*). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*.***Peziza varia*** (Hedw.) Alb. & Schwein.

HOST/SUBSTRATE/LOCALITY:

- *Acer pseudoplatanus* L. (log): Obroc res. (LBL M-4843, 17 Aug. 1967, *leg. B. Sałata*).
- *Fagus sylvatica* L. (log): Czerkies res. (LBL M-4852, 24 July 1986, *leg. M. Chmiel*).
- Dung of herbivores: Obroc res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Soil: Obroc res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Peziza varia* f. *lignicola*** Bres.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten logs and stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991, as *Peziza micropus*), Domański [1997, as *Peziza varia* (Hedw.) Fr.], Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Populus tremula* L. (rotten stump): Obroc res. (Sałata 1972). Cited by Domański (1997, as *Peziza varia*) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.***Peziza vesiculosa*** Bull.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Hrebenne village (LBL M-7705, 3 June 1986, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: on the road in *Dentario glandulosae-Fagetum*.

Peziza violacea Pers.

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Zwierzyniec res. (Chmiel 1978); Florianka wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994; Domański 1999a). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).
- Litter of coniferous trees: Roztocze NP – without precise location (Domański 1999a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest.***Pezizella*** Fuckel***Pezizella alniella*** (Nyl.) Dennis

HOST/SUBSTRATE/LOCALITY:

- *Alnus* sp. (fallen female catkins): Zwierzyniec res. (Chmiel 1978); Florianka wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b)

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*.*Pezizella campanuliformis* → *Allophylaria campanuliformis****Pezizella chionea*** (Fr.) Dennis

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (fallen cones): Prof. Zygmunt Czubiński Reserve (Chmiel 1978). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.*Pezizella chrysostigma* → *Psilachnum chrysostigmum****Pezizella discreta*** (P. Karst.) Dennis

HOST/SUBSTRATE/LOCALITY:

- Stems of herbaceous plants: Brodzka Góra hill near Szczebrzeszyn town (LBL M-8302, 7 June 1986, *leg. M. Chmiel*); Szczebrzeszyn town (LBL M-8301, 20 Oct. 1985, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: thickets in loess ravine, xerothermic grassland.

Pezizella pteridina → *Micropodia pteridina****Phacellium*** Bonord.***Phacellium alborosellum*** (Desm.) U. BraunSYNONYMS: *Ramularia alborosella* (Desm.) Gjaerum [as '*albo-rosella*']

HOST/SUBSTRATE/LOCALITY:

- *Cerastium holosteoides* Fr. emend. Hyl. [= *Cerastium vulgatum* L.]: Roztocze NP – near Stawy Echo ponds (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside in pine forest.

NOTES: The fungus was collected in anamorphic stage.

Phacellium episphaerium (Desm.) U. Braun

SYNONYMS: *Ovularia stellariae* (Rabenh.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Stellaria nemorum*** L.: Jarugi res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: beech forest.

NOTES: The fungus was collected in anamorphic stage.

Phacidium Fr.

Phacidium lacerum Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (fallen needles): Nart-Czerkies res. (LBL M-4879, 27 Apr. 1987, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Phaeobotryosphaeria Speg.

Phaeobotryosphaeria visci (Kalchbr.) A.J.L. Phillips & Crous

SYNONYMS: *Sphaeropsis visci* (Alb. & Schwein.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Viscum album*** L. subsp. ***abietis*** (Wiesb.) Abrom. [= *Viscum abietis* Beck]: Bukowa Góra res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest.

NOTES: The fungus was collected in anamorphic stage.

Phaeohelotium Kanouse

Phaeohelotium epiphyllum (Pers.) Hengstm.

SYNONYMS: *Helotium epiphyllum* (Pers.) Fr., *Hymenoscyphus epiphyllus* (Pers.) Rehm ex Kauffman

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (leaves, fruits): Czerkies res., Obroc res. (Sałata 1972; Chmiel 1978); Jarugi res. (Chmiel 1978); Nart res. (Sałata 1988, without precise location from Roztocze NP; LBL M-3412, 18 Sept. 1986, leg. M. Chmiel); Nart-Czerkies (LBL M-3421, 18 Sept. 1986, leg. M. Chmiel); Stoki wild. (LBL M-3415, 29 Oct. 1974, leg. M. Bednarczyk). Cited by Sałata (1991), Chlebicki & Chmiel (2006), Chmiel (2006) and Kozłowska *et al.* (2015b).
- ***Fagus sylvatica*** L. (leaves): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972; Chmiel 1978); Nart res. (Sałata 1988, without precise location from Roztocze NP; LBL

- M-3412, 18 Sept. 1986, *leg. M. Chmiel*); Tarnawa Duża village (LBL M-8061, 10 Oct. 1984, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Fraxinus excelsior* L. (petioles of fallen leaves): (LBL M-7864, 20 Oct. 1985, *leg. M. Chmiel*).
 - *Populus tremula* L. (dead leaves): Obroc res. (Chmiel 1978). Cited by Kozłowska *et al.* (2015b).
 - *Quercus* sp. (fruits): Jarugi res. (LBL M-3414, 5 Sept. 1974, *leg. M. Bednarczyk*).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest, thickets in ravine.

Phaeohelotium fagineum (Pers.) Hengstm.

SYNONYMS: *Helotium fagineum* (Pers.) Fr., *Hymenoscyphus fagineus* (Pers.) Dennis

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (cupules): Nart res. (Sałata 1972); Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972; Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b, also incorrectly after Sałata 1988).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Phaeostalagmus W. Gams

Phaeostalagmus tenuissimus (Corda) W. Gams & Hol.-Jech.

HOST/SUBSTRATE/LOCALITY:

- Wood of *Carpinus betulus* L. and *Tilia cordata* Mill.: Roztocze NP – without precise location (Borowska 1986).

PLANT COMMUNITY/HABITAT: deciduous and mixed forests.

NOTES: The fungus was collected in anamorphic stage.

Phialina Höhn.

Phialina separabilis (P. Karst.) Huhtinen & Scheuer

SYNONYMS: *Hymenoscyphus separabilis* (P. Karst.) Dennis

HOST/SUBSTRATE/LOCALITY:

- *Rubus idaeus* L. (dead stems): Nart-Czerkies res. (Sałata 1988, without precise location from Roztocze NP; LBL M-3497, 18 Sept. 1986, *leg. M. Chmiel*); Obroc res. (Sałata 1991); Kawęczynek village near Szczepreszyn town (LBL M-8153, 14 Oct. 1992, *leg. M. Chmiel*). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum* in loess ravine, beech-fir forest, roadside.

Phloeospora Wallr.

Phloeospora robiniae (Lib.) Höhn.

HOST/SUBSTRATE/LOCALITY:

– *Robinia pseudoacacia* L.: Hrebenne village (LBL M-23803, 20 July 1992, leg. B. Hypiak).

PLANT COMMUNITY/HABITAT: railway embankment.

NOTES: The fungus was collected in anamorphic stage.

Phloeosporella padi → *Blumeriella jaapii*

Phyllachora Nitschke ex Fuckel

Phyllachora graminis (Pers.) Fuckel

HOST/SUBSTRATE/LOCALITY:

– *Elymus repens* (L.) Gould [= *Agropyron repens* (L.) P. Beauv.]: Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: grassy glade in *Abietetum polonicum*.

Phyllachora junci (Alb. & Schwein.) Fuckel

HOST/SUBSTRATE/LOCALITY:

– *Juncus conglomeratus* L.: Obroczy village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: wet meadow.

Phyllachora podagrariae → *Mycosphaerella podagrariae*

Phyllactinia Lév.

Phyllactinia guttata (Wallr.) Lév. s.l.

HOST/SUBSTRATE/LOCALITY:

– *Corylus avellana* L.: Szczepczeszyn town – Szperówka district (LBL M-4932, 1 Oct. 1977, leg. A. Poświatowska).

– *Padus serotina* (Ehrh.) Borkh.: near Hedwiżyn village, near Panasówka village (Ruszkiewicz-Michalska & Mułenko 2003). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest, dry thickets.

Phyllactinia guttata (on *Fagus sylvatica*) → *Phyllactinia orbicularis*

Phyllactinia orbicularis (Ehrenb.) U. Braun

SYNONYMS: *Phyllactinia guttata* (Wallr.) Lév. p.p.

HOST/SUBSTRATE/LOCALITY:

– *Fagus sylvatica* L.: Bukowa Góra res., Czerkies res., Jarugi res., Nart res., Obroczy res. (Sałata 1991); Hrebenne village (LBL M-11633, 25 Oct. 1989, leg. A. Dudzik); Zwierzyniec Forest Range (LBL M-4971, 22 Oct. 1977, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, beech-fir forests.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Phyllosticta Pers.

NOTES: The fungi of genus *Phyllosticta* were collected in anamorphic stage.

Phyllosticta aegopodii → ***Mycosphaerella podagrariae***

Phyllosticta cruenta (Fr.) J. Kickx f.

HOST/SUBSTRATE/LOCALITY:

– ***Polygonatum multiflorum*** (L.) All.: Obroc village (Sałata 1991).

PLANT COMMUNITY/HABITAT: mixed coniferous forest.

Phyllosticta fragariicola Roberge ex Desm.

HOST/SUBSTRATE/LOCALITY:

– ***Fragaria moschata*** Duchesne: Hrebenne village (LBL M-23804, 10 Oct. 1992, leg. B. Hypiak).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Phyllosticta glechomae Sacc.

HOST/SUBSTRATE/LOCALITY:

– ***Glechoma hederacea*** L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets along a road.

Phyllosticta hedericola → ***Boeremia hedericola***

Phyllosticta leucospila (Pass.) Allesch.

HOST/SUBSTRATE/LOCALITY:

– ***Sorbus aucuparia*** L. emend. Hedl.: Werchrata village (LBL M-23805, 3 Aug. 1992, leg. B. Hypiak).

PLANT COMMUNITY/HABITAT: roadside.

Phyllosticta paviae Desm.

SYNONYMS: *Phyllosticta sphaerospoidea* Ellis & Everh.

HOST/SUBSTRATE/LOCALITY:

– ***Aesculus hippocastanum*** L.: Narol town (LBL M-23807, 3 Sept. 1992, leg. B. Hypiak).

PLANT COMMUNITY/HABITAT: roadside.

Phyllosticta pyricola ['*piricola*'] → ***Asteromella pyricola***

Phyllosticta sphaerospoidea → ***Phyllosticta paviae***

***Phyllosticta tormentillae* Sacc.**

HOST/SUBSTRATE/LOCALITY:

- *Potentilla anserina* L.: Narol town (LBL M-23808, 10 Oct. 1992, leg. B. Hypiak).

PLANT COMMUNITY/HABITAT: meadow.

***Phyllosticta urticae* Sacc.**

HOST/SUBSTRATE/LOCALITY:

- *Urtica dioica* L.: Narol town (LBL M-23809, 30 Sept. 1992, leg. B. Hypiak).

PLANT COMMUNITY/HABITAT: rubbish heap.

Plectosphaerella* Kleb.**Plectosphaerella alismatis* (Oudem.) A.J.L. Phillips, Carlucci & M.L. Raimondo**SYNONYMS: *Spermosporina alismatis* (Oudem.) U. Braun

HOST/SUBSTRATE/LOCALITY:

- *Alisma plantago-aquatica* L.: Obroc z village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: wet meadow.

NOTES: The fungus was collected in anamorphic stage, identified as *Ramularia alismatis* Fautrey and later transferred to *Spermosporina alismatis* (Braun 1995; Wołczańska 2005).

Pleurance anserina → ***Podospora pauciseta****Pleurance curvula* → ***Schizothecium conicum****Pleurance decipiens* → ***Podospora decipiens****Pleurance fimiseda* → ***Podospora fimiseda****Pleurance minuta* → ***Trichodelitschia bisporula****Pleurance minuta* f. *minuta* → ***Trichodelitschia bisporula****Pleurance minuta* f. *tetraspora* → ***Trichodelitschia bisporula****Pleurance setosa* → ***Podospora setosa****Pleurance taenioides* → ***Podospora taenioides******Plicaria* Fuckel*****Plicaria endocarpoides* (Berk.) Rifai**SYNONYMS: *Peziza leiocarpa* Curr., *Plicaria leiocarpa* (Curr.) Boud.

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Zwierzyniec res. (Chmiel 1978); Bukowa Góra res., Florianka wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*.

Plicaria ferruginea → *Lamprospora trachycarpa*

Plicaria leiocarpa → *Plicaria endocarpoides*

Podosphaera Kunze

Podosphaera aphanis (Wallr.) U. Braun & S. Takam. var. *aphanis*

SYNONYMS: *Sphaerotheca alchemillae* (Grev.) L. Junell, *Sphaerotheca aphanis* (Wallr.) U. Braun

HOST/SUBSTRATE/LOCALITY:

- *Agrimonia eupatoria* L.: Krzywe wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1969); Biała Góra hill near Tomaszów Lubelski town (LBL M-5610, 16 Sept. 1982, *leg. J. Romaszewska-Sałata*); Turzyniec village near Szczebrzeszyn town (LBL M-5606, 9 Sept. 1977, *leg. A. Poświatowska*). Cited by Sałata & Majewski (1978), Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Alchemilla gracilis* Opiz [= *Alchemilla micans* Buser]: Czerkies res. (Sałata 1991); Szczebrzeszyn town – Szperówka district (LBL M-5575, 15 Oct. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Alchemilla monticola* Opiz [= *Alchemilla pastoralis* Buser]: Maziarki wild. (Sałata 1991); Nad Tanwią res. (LBL M-11516, 9 Aug. 1981, *leg. L. Czyżewska*). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Comarum palustre* L. [= *Potentilla palustris* (L.) Scop.]: Józefów town (Sałata & Romaszewska-Sałata 1969); Susiec village (Sałata 1991). Cited by Sałata & Majewski (1978), Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Geum rivale* L.: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Geum urbanum* L.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1969). Cited by Sałata & Majewski (1978), Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Rubus caesius* L.: Nad Tanwią res. (LBL M-11571, 18 June 1981, *leg. L. Czyżewska*).
- *Rubus gracilis* J. Presl & C. Presl [= *Rubus villicaulis* Köhler]: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Rubus hirtus* Waldst. & Kit.: Szczebrzeszyn town – Szperówka district (Sałata 1985). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Peucedano cervariae-Coryletum*, glade in pine forest, grassy glade in fir-beech forest, ditch in swampy forest, roadside in oak forest, deciduous forest, forests margins, wet meadow, thickets (along roads and in other places), park.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Chmiel *et al.* (1994).

Podosphaera aucupariae Erikss.

HOST/SUBSTRATE/LOCALITY:

- *Sorbus aucuparia* L. emend. Hedl. (seedlings): Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: fir forest.

Podosphaera balsaminae (Wallr.) U. Braun & S. Takam.SYNONYMS: *Sphaerotheca balsaminae* (Wallr.) Kari

HOST/SUBSTRATE/LOCALITY:

- ***Impatiens noli-tangere*** L.: Bukowa Góra res. (Sałata & Romaszewska-Sałata 1969; Kochman & Sałata 1980); Górecko Kościelne village (Sałata & Romaszewska-Sałata 1969; Sałata 1991); Florianka wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Nad Tanwią res. (LBL M-11580, 23 Aug. 1981, *leg. L. Czyżewska*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest, fir-beech forest, alder forest, meadow in Jeleń river valley.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Podosphaera clandestina (Wallr.) Lév. var. ***clandestina***SYNONYMS: *Podosphaera clandestina* (Wallr.) Lév.

HOST/SUBSTRATE/LOCALITY

- ***Crataegus rhipidophylla*** Gand. var. ***rhipidophylla*** [= *Crataegus curvisepala* Lindm.]: Brody village near Szczepieszyn town (LBL M-9921, 28 Sept. 1972, *leg. J. Romaszewska-Sałata*).

PLANT COMMUNITY/HABITAT: xerothermic grassland.

Podosphaera epilobii (Wallr.) de BarySYNONYMS: *Sphaerotheca epilobii* (Wallr.) de Bary

HOST/SUBSTRATE/LOCALITY:

- ***Epilobium hirsutum*** L.: Guciów village, Obrocz village (Sałata 1991); Nad Tanwią res. (LBL M-11608, 5 Oct. 1981, *leg. L. Czyżewska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Epilobium roseum*** Schreb.: Nad Tanwią res. (LBL M-11615, 5 Oct. 1981, *leg. L. Czyżewska*).

PLANT COMMUNITY/HABITAT: herbaceous plants by the Wieprz river, thickets on bank of the Jeleń river.

Podosphaera erigerontis-canadensis (Lév.) U. Braun & T.Z. LiuSYNONYMS: *Sphaerotheca erigerontis-canadensis* (Lév.) L. Junell., *Sphaerotheca fusca* auct. p.p.

HOST/SUBSTRATE/LOCALITY:

- ***Conyza canadensis*** (L.) Cronquist [= *Erigeron canadensis* L.]: Turzyniec village near Szczepieszyn town (LBL M-5851, 20 Sept. 1977, *leg. A. Poświatowska*).
- ***Lapsana communis*** L.: Czarnystok village near Szczepieszyn town (Sałata 1985, from surroundings of Szczepieszyn town; LBL M-5860, 1 Oct. 1977, *leg. A. Poświatowska*); Narol town (LBL M-11631, 10 Oct. 1992, *leg. B. Hypiak*). Cited by Kozłowska *et al.* (2015b).
- ***Leontodon autumnalis*** L.: surroundings of Szczepieszyn town (Sałata 1985). Cited by Kozłowska *et al.* (2015b).
- ***Taraxacum officinale*** F.H. Wigg.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1969); Majdan Górny village (Romaszewska-Sałata 1977); Bukowa Góra res. (2 localities), Jarugi

res. (Sałata 1991); Biała Góra hill near Tomaszów Lubelski town (LBL M-5900, 30 Sept. 1971, leg. J. Romaszewska-Sałata; LBL M-9917, 6 July 1972, leg. J. Romaszewska-Sałata); Nad Tanwią res. (LBL M-11365, sine die, leg. L. Czyżewska; LBLM-21427, 20 July 1981, leg. L. Czyżewska); Zwierzyniec town – Stawy Echo ponds (LBL M-5949, 16 July 1979, leg. J. Romaszewska-Sałata). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: grassy glade in *Abietetum polonicum*, roadside in *Peucedano-Pinetum*, *Tilio-Carpinetum*, xerothermic grassland on limestone slope, on the road in oak-hornbeam forest, meadow, roadsides, at the fence.

Podosphaera euphorbiae (Castagne) U. Braun & S. Takam.

SYNONYMS: *Sphaerotheca euphorbiae* (Castagne) E.S. Salmon

HOST/SUBSTRATE/LOCALITY:

- ***Euphorbia esula*** L.: Lubycza Królewska town (LBL M-12466, 17 June 1982, leg. A. Piotrowska).
- ***Euphorbia helioscopia*** L.: Sochy village (Sałata 1985); Lubycza Królewska town (LBL M-12467, 8 Oct. 1983, leg. A. Piotrowska); Żrebce village near Szczepieszyn town (LBL M-6012, 15 Sept. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: farmland, garden.

Podosphaera ferruginea (Schltdl.) U. Braun & S. Takam.

SYNONYMS: *Sphaerotheca ferruginea* (Schltdl.) L. Junell

HOST/SUBSTRATE/LOCALITY

- ***Sanguisorba officinalis*** L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, incorrectly after Romaszewska-Sałata 1977).

PLANT COMMUNITY/HABITAT: meadow by the Wieprz river.

Podosphaera fuliginea (Schltdl.) U. Braun & S. Takam.

SYNONYMS: *Sphaerotheca fuliginea* (Schltdl.) Pollacci

HOST/SUBSTRATE/LOCALITY

- ***Veronica chamaedrys*** L.: Bukowa Góra res. [Sałata 1991, as *Sphaerotheca xanthii* (Castagne) L. Junell; LBL M-6068, 15 Sept. 1977, leg. J. Romaszewska-Sałata; LBL M-6074, 16 July 1979, leg. J. Romaszewska-Sałata].

PLANT COMMUNITY/HABITAT: grossy roadside in *Abietetum polonicum*, glade in *Dentario glandulosae-Fagetum*.

Podosphaera leucotricha (Ellis & Everh.) E.S. Salmon

HOST/SUBSTRATE/LOCALITY:

- ***Malus domestica*** Borkh.: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Malus sylvestris*** Mill.: Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1969); Maziarki wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: margin of pine forest, mixed forest, orchard, roadside.

Podosphaera macularis (Wallr.) U. Braun & S. Takam.

SYNONYMS: *Sphaerotheca macularis* (Wallr.) Lind

HOST/SUBSTRATE/LOCALITY:

- ***Humulus lupulus*** L.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1969). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: thickets next to the stream.

Podosphaera major → ***Podosphaera myrtilina*** var. *major*

Podosphaera mors-uvae (Schwein.) U. Braun & S. Takam.

SYNONYMS: *Sphaerotheca mors-uvae* (Schwein.) Berk.

HOST/SUBSTRATE/LOCALITY:

- ***Ribes nigrum*** L.: Rozłopy village near Szczebrzeszyn town (LBL M-6134, 20 July 1977, leg. A. Poświatowska).

PLANT COMMUNITY/HABITAT: orchard.

Podosphaera myrtilina (C. Schub.) Kuntze var. *major* Juel

SYNONYMS: *Podosphaera major* (Juel) Blumer

HOST/SUBSTRATE/LOCALITY:

- ***Vaccinium uliginosum*** L.: Borowina village near Józefów town, Józefów town, Obrocz res. (Sałata & Romaszewska-Sałata 1969); Szum res. near Górecko village (Sałata & Majewski 1976); Florianka wild., Stoki wild. (Sałata 1991); Hedwiżyn village (LBL M-5015, 9 Oct. 1967, leg. B. Sałata); Zwierzyniec res. – sect. 163 (LBL M-5022, 5 Sept. 1975, leg. B. Sałata). Cited by Sałata & Majewski (1976), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Vaccinio uliginosi-Pinetum*.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Podosphaera myrtilina var. *myrtilina*

HOST/SUBSTRATE/LOCALITY:

- ***Vaccinium myrtilus*** L.: Borowina village near Józefów town, Obrocz res., Wólka Wieprzecka village, Zwierzyniec town (Sałata & Romaszewska-Sałata 1969); Koszele village near Susiec village (Sałata & Majewski 1976); Bukowa Góra res., Horodzisko wild., Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Hedwiżyn village (LBL M-5054, 9 Oct. 1967, leg. B. Sałata); Nad Tanwią res. (LBL M-11753, 10 May 1981, leg. L. Czyżewska); Maziarki wild. (LBL M-5065, 13 Oct. 1977, leg. J. Romaszewska-Sałata). Cited by Sałata & Majewski (1976), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, pine forests.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Podosphaera pannosa (Wallr.) de BarySYNONYMS: *Sphaerotheca pannosa* (Wallr.) Lév.

HOST/SUBSTRATE/LOCALITY:

- ***Rosa canina*** L.: Czarnystok village near Szczebrzeszyn town (LBL M-6136, 5 Aug. 1977, leg. A. Poświatowska).
- ***Rosa rugosa*** Thunb.: Jarugi res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Rosa*** sp.: Bukowa Góra res. (LBL M-6167, 12 Sept. 1980, leg. J. Romaszewska-Sałata).
- ***Rosa*** sp. (cult.): Tomaszów Lubelski town (Sałata 1991); Lubicza Królewska town (LBL M-12469, 1 Aug. 1983, leg. A. Piotrowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: flowerbeds, roadsides.

Podosphaera phtheirospermi (Henn. & Shirai) U. Braun & T.Z. LiuSYNONYMS: *Sphaerotheca fusca* auct. p.p., *Sphaerotheca melampyri* L. Junell

HOST/SUBSTRATE/LOCALITY:

- ***Melampyrum pratense*** L.: Borowina village near Józefów town, Bukowa Góra res. (3 localities), Obroc res. (3 localities), Zwierzyniec town – Rudka district (Sałata & Romaszewska-Sałata 1969); Florianka wild., Stoki wild. (Sałata 1991); Zwierzyniec Forest Range (LBL M-6111, 22 Oct. 1977, leg. J. Romaszewska-Sałata). Cited by Sałata & Majewski (1978), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, *Vaccinio uliginosi-Pinetum*, fir forest, fir-beech forest, pine forest.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Podosphaera xanthii (Castagne) U. Braun & ShishkoffSYNONYMS: *Sphaerotheca xanthii* (Cast.) Junell

HOST/SUBSTRATE/LOCALITY:

- ***Bidens cernua*** L. [= *Bidens cernuus* L.]: Józefów town (Sałata & Romaszewska-Sałata 1969). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Bidens tripartita*** L. [= *Bidens tripartitus* L.]: Zwierzyniec town (Sałata & Romaszewska-Sałata 1969); Tomaszów Lubelski town (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Calendula officinalis*** L.: Lubicza Królewska town (LBL M-12471, 15 Sept. 1982, leg. A. Piotrowska); Szczebrzeszyn town (LBL M-6283, 10 Sept. 1977, leg. A. Poświatowska).

PLANT COMMUNITY/HABITAT: next to the stream and pond, garden.

NOTES: In the paper by Sałata (1991) the fungus was listed as *Sphaerotheca fusca* (Fr.) Blumer emend. U. Braun.

Podospora* Ces.**Podospora decipiens* (G. Winter) Niessl**SYNONYMS: *Pleurage decipiens* (G. Winter) Kuntze

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Szum res. near Górecko village (Bednarczyk 1974); Kosobudy village, Obrocz village, Zwierzyniec town (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

***Podospora fimiseda* (Ces. & De Not.) Niessl**SYNONYMS: *Pleurage fimiseda* (Ces. & De Not.) Griffiths

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Bukowa Góra res., Obrocz village (Chmiel 1977); Kosobudy village, Zwierzyniec town (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

***Podospora pauciseta* (Ces.) Traverso**SYNONYMS: *Pleurage anserina* (Rabenh.) Kuntze

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obrocz village (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: not listed.

***Podospora setosa* (G. Winter) Niessl**SYNONYMS: *Pleurage setosa* (G. Winter) Kuntze

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Bukowa Góra res., Obrocz village, Zwierzyniec town (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: not listed.

***Podospora taenioides* (Griffiths) Cain**SYNONYMS: *Pleurage taenioides* Griffiths

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obrocz village, Zwierzyniec town (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Polystigma astragali → ***Stigmatula astragali****Polythrincium trifolii* → ***Cymadothea trifolii***

Preussia Fuckel***Preussia funiculata*** (Preuss) FuckelSYNONYMS: *Perisporium funiculatum* Preuss

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Kosobudy village (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Propolis (Fr.) Corda***Propolis farinosa*** (Pers.) Fr.SYNONYMS: *Propolis versicolor* (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen twigs, log): Bukowa Góra res., Jarugi res., Obrocz res. (Chmiel 1978); Nart res. – sect. 100 (LBL M-5120, 17 July 1979, *leg. M. Chmiel*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Wood: Maziarki wild. (LBL M-13524, 12 June 1990, *leg. M. Chmiel*); Szczebrzeszyn town (LBL M-13526, 30 May 2004, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, thickets in loess ravine.*Propolis versicolor* → ***Propolis farinosa******Protomyces*** Unger***Protomyces macrosporus*** Unger

HOST/SUBSTRATE/LOCALITY:

- ***Aegopodium podagraria*** L.: Bukowa Góra res., Czerkies res., Kamienna Góra wild., Obrocz village (Sałata 1991); Biała Góra hill near Tomaszów Lubelski town (LBL M-5154, 26 Aug. 1982, *leg. J. Romszewska-Sałata*); near Bukowa Góra res. (LBL M-5147, 16 July 1979, *leg. J. Romszewska-Sałata*); Tarnawa village (LBL M-5165, 2 Oct. 1996, *leg. B. Sałata*); Tarnawatka village (LBL M-12474, 22 June 1981, *leg. A. Piotrowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, *Tilio-Carpinetum*, thickets (incl. *Peucedano cervariae-Coryletum*), deciduous forest, roadsides.***Pseudohelotium*** Fuckel***Pseudohelotium pineti*** (Batsch) Fuckel

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (fallen needles): Obroc res., Stoki wild., Zwierzyniec res. (Chmiel 1978); Florianka wild. (Sałata 1991); Bukowa Góra res. (LBL M-5184, 29 Oct. 1974, leg. M. Chmiel); Kruglik Forest Range (LBL M-5183, 30 May 1969, leg. B. Sałata); Zwierzyniec town (LBL M-5187 and LBL M-5188, 27 Apr. 1987, leg. M. Chmiel). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, *Vaccinio myrtilli-Pinetum*.

Pseudopeziza Fuckel

Pseudopeziza trifolii (Biv.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- *Medicago falcata* L.: Biała Góra hill near Tomaszów Lubelski town (LBL M-5208, 26 Aug. 1982, leg. J. Romszewska-Sałata); Brody village near Szczebrzeszyn town (LBL M-5194, 21 July 1970, leg. J. Romszewska-Sałata). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Medicago lupulina* L.: Zwierzyniec town (Sałata 1991); Biała Góra hill near Tomaszów Lubelski town (LBL M-5233 and LBL M-5234, 26 Aug. 1982, leg. J. Romszewska-Sałata); Brody village near Szczebrzeszyn town (LBL M-18549, 20 July 1971, leg. B. Sałata); Zwierzyniec town LBL M-5215, 12 Sept. 1979, leg. T. Brach). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Trifolium pratense* L.: Guciów village, Obroc village, Pasiaki village (Sałata 1991); Hrebenne village (LBL M-13560, 15 July 1992, leg. B. Hypiak); Werchrata village (LBL M-13559, 30 June 1992, leg. B. Hypiak). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Trifolium repens* L.: Obroc village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: xerothermic grasslands (incl. *Inuletum ensifoliae*), thickets, meadows, roadsides.

Pseudoplectania Fuckel

Pseudoplectania vogesiaca Seaver

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen branches and twigs, rotten logs): Czerkies res. (Sałata 1972); Bukowa Góra res., Obroc res. (Sałata 1972; Chmiel 1978); Prof. Zygmunt Czubiński Reserve (Chmiel 1978); Kamienna Góra wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Chmiel & Sałata (1986), Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Psilachnum* Höhn.**Psilachnum chrysostigmum* (Fr.) Raitv.**SYNONYMS: *Pezizella chrysostigma* (Fr.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Dryopteris filix-mas* (L.) Schott (ferns; overwintered petioles): Nart res. (Sałata 1972); Czerkies res., Jarugi res., Obrocz res. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Pteridium* sp. (ferns; overwintered petioles): Ulów village (LBL M-7707 and LBL M-13446, 2 June 1986, *leg. M. Chmiel*).
- Overwintered petioles of ferns: Kawęczynek village near Szczebrzeszyn town (LBL M-8295, 1 June 1991, *leg. M. Chmiel*); Szczebrzeszyn town – Szperówka district (LBL M-7663, 2 May 1994, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Peucedano-Pinetum*, fir forest.***Pulvinula* Boud.***Pulvinula constellation* → ***Pulvinula convexella******Pulvinula convexella* (P. Karst.) Pfister**SYNONYMS: *Pulvinula constellatio* (Berk. & Broome) Boud.

HOST/SUBSTRATE/LOCALITY:

- Soil: Biała Góra hill near Tomaszów Lubelski town (LBL M-8322, 26 Aug. 1982, *leg. M. Chmiel*); Sąsiadka village (LBL M-5266 and LBL M-5268, 31 July 1991, *leg. M. Chmiel*); Topólcza village near Szczebrzeszyn town (LBL M-5263, 8 June 1986, *leg. M. Chmiel*; LBL M-5267, 12 July 1991, *leg. M. Chmiel*; LBL M-5262 and LBL M-5264, 7 June 1994, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: thickets in ravine, ravine.

Pustulina catinus → ***Tarzetta catinus****Pustulina cupularis* → ***Tarzetta cupularis******Pyrenopeziza* Fuckel*****Pyrenopeziza benesuada* (Tul.) Gremmen**SYNONYMS: *Mollisia benesuada* (Tul.) W. Phillips

HOST/SUBSTRATE/LOCALITY:

- *Betula* sp. (bark): Kawęczynek village near Szczebrzeszyn town (LBL M-8196, 7 June 1986, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*.*Pyrenopeziza escharodes* → ***Mollisia escharodes***

Pyrenopeziza petiolaris (Alb. & Schwein.) Nannf.SYNONYMS: *Mollisia benesuada* (Tul.) W. Phillips

HOST/SUBSTRATE/LOCALITY:

- ***Acer pseudoplatanus*** L. (petioles of fallen leaves): Lubicza Królewska town (LBL M-7709, 3 June 1986, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: roadside ditch in *Dentario glandulosae-Fagetum*.***Pyronema*** Carus***Pyronema omphalodes*** (Bull.) FuckelSYNONYMS: *Peziza omphalodes* Bull.

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Bondyryz village (Błoński 1896); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Radulum orbiculare → ***Basidioradulum radula*** (Basidiomycota)***Ramsbottomia*** W.D. Buckley***Ramsbottomia asperior*** (Nyl.) Benkert & T. Schumach.SYNONYMS: *Scutellinia asperior* (Nyl.) Dennis, *Sphaerospora asperior* (Nyl.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Brody village near Szczebrzeszyn town (Sałata & Bednarczyk 1977); Jarugi res. (2 localities) (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: along roads and paths in *Dentario glandulosae-Fagetum*, roadside in *Tilio-Carpinetum*, xerothermic community.***Ramularia*** UngerNOTES: The fungi of genus *Ramularia* were collected in anamorphic stage.***Ramularia ajugae*** (Niessl) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Ajuga reptans*** L.: Florianka wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Ramularia alborosella → ***Phacellium alborosellum****Ramularia alismatis* → ***Plectosphaerella alismatis***

Ramularia aplospora Speg.

SYNONYMS: *Ovularia haplospora* (Speg.) Magnus, *Ovularia schroeteri* (J.G. Kühn) Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Alchemilla gracilis* Opiz [= *Alchemilla micans* Buscher]: Bukowa Góra res. (Sałata 1991; Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).
- *Alchemilla monticola* Opiz: Siedliska village (LBL M-21478, 20 July 1992, leg. B. Hypiak). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Alchemilla* sp.: Kamienna Góra wild. (Sałata 1991).

PLANT COMMUNITY/HABITAT: roadside in beech forest, grassy glade in fir forest, farmland.

Ramularia calcea → ***Ramularia glechomatis***

Ramularia calthae Lindr.

HOST/SUBSTRATE/LOCALITY:

- *Caltha palustris* L.: Obrocz village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as *Ramularia didyma* Unger from herbarium LBL).

PLANT COMMUNITY/HABITAT: wet meadow.

Ramularia carneola (Sacc.) Nannf.

SYNONYMS: *Ramularia scrophulariae* Fautrey & Roum.

HOST/SUBSTRATE/LOCALITY:

- *Scrophularia nodosa* L.: Nart. res. (Sałata 1991; Wołczańska 2005); Roztocze NP – near Stawy Echo ponds (Sałata 1991); Roztocze NP – next to the Świerszcz stream (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: alder forest, beech forest.

Ramularia chaerophylli Ferraris

HOST/SUBSTRATE/LOCALITY:

- *Chaerophyllum temulum* L.: Hrebenne village (LBL M-23810, 15 July 1992, leg. B. Hypiak).

PLANT COMMUNITY/HABITAT: farmland.

Ramularia chamaedryos (Lindr.) Gunnerb.

HOST/SUBSTRATE/LOCALITY:

- *Veronica chamaedrys* L.: Florianka wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Ramularia circumfusa → ***Ramularia rubella***

Ramularia cirsii → ***Ramularia cynarae***

Ramularia coccinea (Fuckel) Vestergr.

HOST/SUBSTRATE/LOCALITY:

- *Veronica officinalis* L.: Florianka wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Ramularia cylindroides Sacc. var. *cylindroides*

HOST/SUBSTRATE/LOCALITY:

- *Pulmonaria mollis* Wulfen ex A. Kern. [= *Pulmonaria mollissima* A. Kern.]: Roztocze NP – without precise location (Chmiel *et al.* 1994, as *Ramularia cylindroidea*); Maziarki wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).
- *Pulmonaria obscura* Dumort.: Obroc res. (Sałata 1991); Czerkies res., Jarugi res., Maziarki wild., Stoki wild. (Sałata 1991; Wołczańska 2005); Roztocze NP – without precise location (Chmiel *et al.* 1994, as *Ramularia cylindroidea*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forests, beech-fir forests.

Ramularia cynarae Sacc.SYNONYMS: *Ramularia cirsii* Allesch.

HOST/SUBSTRATE/LOCALITY:

- *Cirsium oleraceum* (L.) Scop.: Obroc village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: meadow.

Ramularia didyma → ***Ramularia calthae******Ramularia didyma*** Unger var. *didyma*SYNONYMS: *Didymaria didyma* (Unger) Pound

HOST/SUBSTRATE/LOCALITY:

- *Ranunculus repens* L.: Bukowa Góra res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: roadside in pine forest.

Ramularia geranii (Westend.) Fuckel var. *geranii*

HOST/SUBSTRATE/LOCALITY:

- *Geranium phaeum* L.: Biała Góra hill near Tomaszów Lubelski town (LBL M-23811, 4 June 1982, leg. A. Piotrowska); Narol town (LBL M-23812, 23 Oct. 1992, leg. B. Hypiak).

PLANT COMMUNITY/HABITAT: alder forest, forest margin.

Ramularia glechomatis U. Braun

HOST/SUBSTRATE/LOCALITY:

- ***Glechoma hederacea*** L.: Guciów village [Sałata 1991, as *Ramularia calcea* (Desm.) Ces.]; Roztocze NP – without precise location (Chmiel *et al.* 1994, as *Ramularia calcea*); Florianka wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b, also as *Ramularia calcea*).

PLANT COMMUNITY/HABITAT: thickets along a road.

Ramularia grevilleana → ***Mycosphaerella fragariae******Ramularia heraclei*** (Oudem.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Heracleum sphondylium*** L.: Maziarki wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Ramularia inaequale → ***Ramularia inaequalis******Ramularia inaequalis*** (Preuss) U. BraunSYNONYMS: *Ramularia taraxaci* P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Cichorium intybus*** L.: Brody village near Szczebrzeszyn town (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).
- ***Taraxacum officinale*** F.H. Wigg. [= *Taraxacum officinale* Weber]: Bukowa Góra res., Roztocze NP – near Stawy Echo ponds (Sałata 1991; Wołczańska 2005, as *Ramularia inaequale*); Roztocze NP – without precise location (Chmiel *et al.* 1994); Florianka wild. (Wołczańska 2005, as *Ramularia inaequale*); Werchrata village (LBL M-23823, 30 June 1992, *leg. B. Hypiak*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: forest margin, roadsides.

Ramularia knautiae → ***Ramularia tricheriae******Ramularia lactea*** (Desm.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Viola reichenbachiana*** Jord. ex Boreau: Maziarki wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).
- ***Viola riviniana*** Rchb.: Florianka wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).
- ***Viola*** sp.: Hrebenne village (LBL M-21484, 25 Apr. 1992, *leg. B. Hypiak*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae*-*Fagetum*.

Ramularia lamii Fuck. emend. U. Braun var. *lamii*

HOST/SUBSTRATE/LOCALITY:

- *Leonurus cardiaca* L.: Bukowa Góra res. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: herbaceous plants along a road.

Ramularia lapsanae (Desm.) Sacc. [as '*lampsanae*']

HOST/SUBSTRATE/LOCALITY:

- *Lapsana communis* L.: Roztocze NP – near Stawy Echo ponds (Sałata 1991; Wołczańska 2005); Roztocze NP – without precise location (Chmiel *et al.* 1994); Florianka wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Ramularia lysimachiae Thüm.

HOST/SUBSTRATE/LOCALITY:

- *Lysimachia nummularia* L.: Maziarki wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Ramularia moehringiae Lindr.

HOST/SUBSTRATE/LOCALITY:

- *Moehringia trinervia* (L.) Clairv.: Czerkies res. (Sałata 1991; Wołczańska 2005); Roztocze NP – near Stawy Echo ponds (Sałata 1991); Florianka wild., Roztocze NP – next to the Świerszcz stream (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: alder forest, fir forest.

Ramularia montana → ***Passalora montana******Ramularia mulgedii*** (Bubák) Bubák

HOST/SUBSTRATE/LOCALITY:

- *Mycelis muralis* (L.) Dumort.: Florianka wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Ramularia pratensis Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Rumex obtusifolius* L.: Bukowa Góra res. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: by the path in pine forest.

Ramularia rosea Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Salix triandra*** L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets by the Wieprz river.

Ramularia rubella (Bonord.) Nannf.SYNONYMS: *Ovularia monosporia* (Westend.) Pound & Clem., *Ramularia circumfusa* Ellis & Everh.

HOST/SUBSTRATE/LOCALITY:

- ***Rumex acetosa*** L.: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Rumex conglomeratus*** Murray: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Rumex obtusifolius*** L.: Bukowa Góra res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: garden, by the path in pine forest.

Ramularia sambucina Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Sambucus ebulus*** L.: Biała Góra hill near Tomaszów Lubelski town (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: thickets in ravine.

Ramularia scrophulariae → ***Ramularia carneola******Ramularia simplex*** Pass.

HOST/SUBSTRATE/LOCALITY:

- ***Ranunculus repens*** L.: Bukowa Góra res. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Ramularia subsanguinea → ***Zasmidium subsanguineum****Ramularia taraxaci* → ***Ramularia inaequalis******Ramularia tributiana*** (Sacc. & Letendre) Nannf.

HOST/SUBSTRATE/LOCALITY:

- ***Centaurea scabiosa*** L.: Biała Góra hill near Tomaszów Lubelski town (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).
- ***Centaurea*** sp.: Maziarki wild. (Wołczańska 2005). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Ramularia tricheriae Lindr.SYNONYMS: *Ramularia knautiae* (C. Massal.) Bubák

HOST/SUBSTRATE/LOCALITY:

- ***Knautia arvensis*** (L.) J.M. Coult.: Biała Góra hill near Tomaszów Lubelski town (2 localities) (Wolczańska 2005; LBL M-23814, 4 June 1982, *leg. A. Piotrowska*); Siedliska village (LBL M-23813, 15 July 1992, *leg. B. Hypiak*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: forest margin, meadow.

Ramularia urticae Ces.

HOST/SUBSTRATE/LOCALITY:

- ***Urtica dioica*** L.: Guciów village, Obrocż res. (Sałata 1991); Bukowa Góra res., Czerkies res. (Sałata 1991; Wolczańska 2005); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: by the paths, thickets, roadsides.

Rhachomyces Thaxt.***Rhachomyces philonthinus*** Thaxt.

HOST/SUBSTRATE/LOCALITY:

- ***Philonthus varians*** (Paykull) (insects; Coleoptera): Frampol town (Majewski 2008). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: cow faces on a pasture.

Rhizina Fr.*Rhizina inflata* → ***Rhizina undulata******Rhizina undulata*** Fr.SYNONYMS: *Rhizina inflata* (Schaeff.) Karst.

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Bukowa Góra res., Zwierzyniec town (Skirgieńo 1976); Zwierzyniec res. (Chmiel 1978); Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze region – without precise location (Domański 1999a); Bukowa Góra res. (LBL M-5285, 23 Sept. 1967, *leg. B. Sałata*); Stokowa Góra wild. near Kosobody village (LBL M-5284, 9 Sept. 1966, *leg. B. Sałata*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*, *Peucedano-Pinetum*, pine forests, along roads.*Rhyarobius polysporus* → ***Thelebolus polysporus****Rhyarobius sexdecimsporus* → ***Coprotus sexdecimsporus***

Rhytisma* Fr.**Rhytisma acerinum* (Pers.) Fr.**

HOST/SUBSTRATE/LOCALITY:

- *Acer platanoides* L. (fallen leaves): Nart res. (Sałata 1972); Czerkies res. (Sałata 1972; Chmiel 1978); Jarugi res., Obroc res. (Chmiel 1978); Tomaszów Lubelski town (Sałata 1991); Jarugi res. (LBL M-5319, 2 Sept. 1979, leg. T. Brach); Nart-Czerkies res. (LBL M-5330, 27 Apr. 1987, leg. M. Chmiel); Tworyczów village near Szczebrzeszyn town (LBL M-13641, 28 Sept. 1977, leg. T. Bartnik). Cited by Sałata (1991), Chmiel (2006), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- *Acer pseudoplatanus* L. (fallen leaves): Nart res. (Sałata 1972); Czerkies res. (Sałata 1972; Chmiel 1978); Jarugi res., Obroc res. (Chmiel 1978); Tomaszów Lubelski town (Sałata 1991); Roztocze NP – without precise location (Mułenko *et al.* 2013); Nart-Czerkies res. (LBL M-5337, 14 May 1967, leg. S. Łączka); Zwierzyniec Forest Range – sect. 104 (LBL M-5347, 22 Oct. 1977, leg. J. Sałata); Zwierzyniec town (LBL M-5333, 26 Aug. 1967, leg. W. Kubiak; LBL M-5349, 6 Oct. 1979, leg. T. Brach). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Acer* sp.: Szczebrzeszyn town – Szperówka district (LBL M-7625, 1 May 1994, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, fir forest, mixed forest, loess ravine, thickets by the Por river.

NOTES: The fungus was collected in anamorphic and teleomorphic stages.

***Rhytisma andromedae* (Pers.) Fr.**

HOST/SUBSTRATE/LOCALITY:

- *Andromeda polifolia* L.: Józefów town (LBL M-5357, 28 Sept. 1966, leg. B. Sałata).

PLANT COMMUNITY/HABITAT: *Vaccinio-uliginosi-Pinetum*.

NOTES: The fungus was collected in anamorphic stage.

***Rhytisma punctatum* (Pers.) Fr.**

HOST/SUBSTRATE/LOCALITY:

- *Acer pseudoplatanus* L.: Hrebenne village (LBL M-13699, 10 Oct. 1992, leg. B. Hypiak).

PLANT COMMUNITY/HABITAT: roadside.

NOTES: The fungus was collected in anamorphic stage.

Rutstroemia* P. Karst.**Rutstroemia bolaris* (Batsch) Rehm**

HOST/SUBSTRATE/LOCALITY:

- *Carpinus betulus* L. (fallen twigs): Obroc res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

- *Fagus sylvatica* L. (fallen twigs): Obroc res. (Sałata 1972; Chmiel 1978). Cited by Sałata (1991), Chlebicki & Chmiel (2006), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Rutstroemia conformata (P. Karst.) Nannf.

HOST/SUBSTRATE/LOCALITY:

- *Alnus* sp. (fallen leaves): Zwierzyniec res. (Chmiel 1978); Florianka wild. (Sałata 1991); Krasnobród town (LBL M-5418, 2 June 1986, *leg. M. Chmiel*); Siedliska village (LBL M-7710, 3 June 1986, *leg. M. Chmiel*); Zwierzyniec town – near Stawy Echo ponds (LBL M-5401, 15 May 1974, *leg. M. Bednarczyk*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*, thickets next to the stream.

Rutstroemia elatina (Alb. & Schwein.) Rehm

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen twigs): Obroc res. (Sałata 1972); Bukowa Góra res. (Sałata 1972; Chmiel 1978); Czerkies res., Nart res. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Rutstroemia firma (Pers.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Ribes nigrum* L. (fallen twig): Szczebrzeszyn town (LBL M-8340, 21 Sept. 1991, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: old orchard.

Rutstroemia luteovirescens → ***Lanzia luteovirescens***

Rutstroemia petiolorum (Roberge ex Desm.) W.L. White

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (petioles of fallen leaves): Bukowa Góra res. (Sałata 1972); Obroc res. (Sałata 1972; Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.

Rutstroemia sydowiana (Rehm) W.L. White

HOST/SUBSTRATE/LOCALITY:

- *Quercus* sp. (petioles of fallen leaves): Obroc res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.

Ryparobius polysporus → ***Thelebolus polysporus***

Ryparobius sexdecimsporus → ***Coprotus sexdecimsporus***

Saccobolus Boud.

Saccobolus beckii Heimerl

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obrocz res. (Chmiel 1978). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Saccobolus depauperatus (Berk. & Broome) E.C. Hansen

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obrocz village (Chmiel 1977); Bukowa Góra res. (Chmiel 1977, 1978); Czerkies res., Obrocz res., Stoki wild., Zwierzyniec res. (Chmiel 1978); Hrebenne village (LBL M-7961, 3 June 1986, *leg. M. Chmiel*); Nart res. – sect. 101 (LBL M-3566, 17 July 1979, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, on the road in *Vaccinio myrtilli-Pinetum*.

Saccobolus glaber (Pers.) Lambotte

SYNONYMS: *Ascobolus glaber* Pers.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Bukowa Góra res. (Sałata 1972). Cited by Chmiel (1978, 2006 as *Ascobolus albidus* P. Crouan & H. Crouan), Sałata (1991) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk (1974).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Saccobolus truncatus Velen. NOTES: The fungus was incorrectly listed by Kozłowska *et al.* (2015b) who cited data of Bednarczyk (1974). However, the last author did not report this species from the Roztocze region.

Saccobolus verrucisporus Brumm.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obrocz res. (Chmiel 1978); Hrebenne village (LBL M-7962, 3 June 1986, *leg. M. Chmiel*). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Saccobolus versicolor (P. Karst.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Stoki wild. (Chmiel 1978); Kawęczynek village near Szczebrzeszyn town (LBL M-7593, 7 June 1986, leg. M. Chmiel). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: on the road in *Vaccinio myrtilli-Pinetum*, ravine.***Sarcoscypha*** (Fr.) Boud.***Sarcoscypha austriaca*** (Beck ex Sacc.) Boud.

HOST/SUBSTRATE/LOCALITY:

- ***Robinia pseudoacacia*** L. (fallen branches, twigs): near Siedliska village (Czarnecka 2006).
- Soil (close to rotten wood of *Fagus sylvatica* L.): Słupy Protected District – sect. 27, 84 and 101 (Białobrzeska 2013).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, mixed robinia-oak-pine thickets.***Sarcoscypha coccinea*** (Gray) Boud.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen branches, twigs): Obroc res. (Sałata 1972); Czerkies res. (Sałata 1972; Chmiel 1978; Skirgieńko 1984); Nart res. (Sałata 1972; Chmiel 1978). Cited by Sałata (1991), Chmiel (2006), Mułenko *et al.* (2013, as *Sarcoscypha* sp.) and Kozłowska *et al.* (2015b).
- Dead branches of deciduous trees: Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze NP – without precise location (Mułenko *et al.* 2015). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Abietetum polonicum* with admixture of beech, *Dentario glandulosae-Fagetum*, fir forest.***Sarcoscypha*** sp.

HOST/SUBSTRATE/LOCALITY:

- Wood of deciduous trees: Horodzisko Protected District – sect. 75a (Mułenko *et al.* 2013; 2007-2009, pers. obs. B. Radliński); Jarugi Protected District – sect. 5c, 6a, 58g and 64c (Mułenko *et al.* 2013; 2007-2009, pers. obs. B. Radliński); Obroc Protected District – sect. 228a (Mułenko *et al.* 2013; 2007-2009, pers. obs. B. Radliński), sect. 223f (Mułenko *et al.* 2013; 2009, pers. obs. M. Tchórzewski).

PLANT COMMUNITY/HABITAT: deciduous forest.

Sawadaea Miyabe**Sawadaea bicornis** (Wallr.) HommaSYNONYMS: *Uncinula bicornis* (Wallr.) Lév.

HOST/SUBSTRATE/LOCALITY:

- ***Acer negundo*** L.: Zaburze village near Szczebrzeszyn town (LBL M-6918, 25 Sept. 1977, leg. A. Poświatowska).
- ***Acer pseudoplatanus*** L.: Szczebrzeszyn town – Szperówka district (LBL M-6942, 1 Sept. 1977, leg. A. Poświatowska).

PLANT COMMUNITY/HABITAT: deciduous forest, roadside.

Schizothecium Corda**Schizothecium conicum** (Fuckel) N. Lundq.SYNONYMS: *Pleurage curvula* (de Bary) Kuntze

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Szum res. near Górecko village (Bednarczyk 1974); Bukowa Góra res. (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Sclerotinia baccharum → ***Monilinia baccharum****Sclerotinia tuberosa* → ***Dumontinia tuberosa*****Scutellinia** (Cooke) Lambotte*Scutellinia asperior* → ***Ramsbottomia asperior*****Scutellinia cejpui** (Velen.) Svrček

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten, mossy logs): Bukowa Góra res., Czerkies res. (Chmiel 1978). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Fagus sylvatica*** L. (rotten, mossy logs): Bukowa Góra res., Czerkies res. (Chmiel 1978). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Pinus sylvestris*** L. (bark): Florianka wild. (LBL M-5456, 18 July 1980, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.**Scutellinia crucipila** (Cooke & W. Phillips) J. MoravecSYNONYMS: *Cheilymenia crucipila* (Cooke & Phillips) Le Gal

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res., Jarugi res. (Chmiel 1978). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: along a road in *Abietetum polonicum*.

Scutellinia diaboli (Velen.) Le Gal

HOST/SUBSTRATE/LOCALITY:

- Soil: Szaśiadka village (LBL M-5457, 31 July 1991, leg. *M. Chmiel*).
- Soil (among mosses and thalli of *Marchantia* sp.; liverworts): Kawęczynnek village near Szczebrzeszyn town (LBL M-5458, 12 Aug. 1991, leg. *M. Chmiel*).

PLANT COMMUNITY/HABITAT: road in *Abietetum polonicum*, ravine.***Scutellinia erinaceus*** (Schwein.) Kuntze

HOST/SUBSTRATE/LOCALITY:

- *Carpinus betulus* L. (rotten log): Jarugi res. (*Chmiel* 1978). Cited by *Chmiel* (1981, 2006), *Sałata* (1991) and *Kozłowska et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Scutellinia kerguelensis*** (Berk.) Kuntze

HOST/SUBSTRATE/LOCALITY:

- *Alnus* sp. (log lying in a stream): Zwierzyniec res. (*Chmiel* 1978). Cited by *Chmiel* (1981, 2006), *Sałata* (1991) and *Kozłowska et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*.***Scutellinia lusatiae*** (Cooke) Kuntze

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (bark of rotten log): Bukowa Góra res. (*Sałata* 1972). Cited by *Chmiel* (1978, 2006), *Sałata* (1991) and *Kozłowska et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Scutellinia scutellata*** (L.) LambotteSYNONYMS: *Peziza scutellata* L.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (logs): Bukowa Góra res., Nart res. (*Chmiel* 1978). Cited by *Kozłowska et al.* (2015b).
- *Acer pseudoplatanus* L. (logs): Czerkies res., Obroc res. (*Chmiel* 1978). Cited by *Kozłowska et al.* (2015b).
- *Alnus* sp. (wood): Bukowa Góra res. (*Chmiel* 1978); Czartowe Pole res. (*Sałata* 1991; LBL M-5481, 20 July 1971, leg. *B. Sałata*). Cited by *Kozłowska et al.* (2015b).
- *Fagus sylvatica* L. (log, rotten stump): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (*Sałata* 1972, *Chmiel* 1978); Jarugi res. (*Chmiel* 1978); Nart-Czerkies res. (LBL M-5523, 24 July 1986, leg. *M. Chmiel*). Cited by *Sałata* (1991), *Chmiel* (2006) and *Kozłowska et al.* (2015b).
- *Pinus sylvestris* L. (bark, stump, wood): Obroc res., Stoki wild. (*Chmiel* 1978). Cited by *Kozłowska et al.* (2015b).

- *Populus tremula* L. (trunk): Obroc res. (Sałata 1972). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).
- *Ulmus* sp. (log): Obroc res. (Chmiel 1978). Cited by Kozłowska *et al.* (2015b).
- Branches, logs, stumps of deciduous trees: Zwierzyniec town (Błoński 1896); Roztocze Środkowe region – without precise location (Sałata 1969a); Zwierzyniec res. (Chmiel 1978); Florianka wild., Stoki wild. (Sałata 1991); Huta Turobińska village (LBL M-5519, 13 July 1984, *leg. P. Chmiel*); Zwierzyniec town (LBL M-5528, 3 July 1987, *leg. M. Chmiel*). Cited by Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Carici elongatae-Alnetum*, *Dentario glandulosae-Fagetum*, *Stellario-Alnetum*, *Tilio-Carpinetum*, *Vaccinio myrtilli-Pinetum*, next to the stream.

Scutellinia umbrorum (Fr.) Lambotte

HOST/SUBSTRATE/LOCALITY:

- Soil: Olszanka village (LBL M-7618, 16 July 1998, *leg. M. Chmiel*).
- Rotten stump: Otrocz village (LBL M-7617, 5 Aug. 1998, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Septoria Sacc.

NOTES: The fungi of genus *Septoria* were collected in anamorphic stage.

Septoria aegopodii Desm.

SYNONYMS: *Septoria podagrariae* Lasch

HOST/SUBSTRATE/LOCALITY:

- *Aegopodium podagraria* L.: Stoki wild. (Sałata 1991); Czerkies res., Kamienna Góra wild. (Sałata 1991; Wołczańska 2013); Roztocze NP – without precise location (Chmiel *et al.* 1994); Zwierzyniec town, Werchrata village (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest, stubble.

Septoria aegopodina Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Aegopodium podagraria* L.: surroundings of Lubycza Królewska town (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Septoria apii → *Septoria apiicola*

Septoria apiicola Speg.

SYNONYMS: *Septoria apii* Chester

HOST/SUBSTRATE/LOCALITY:

- *Apium graveolens* L.: Tomaszów Lubelski town (Sałata 1991); Zaburze village near Szczepreszyn town (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: garden.

Septoria astericola Ellis & Everh.

HOST/SUBSTRATE/LOCALITY:

- *Aster* sp.: Hrebenne village (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: garden.

Septoria avenae → *Parastagonospora avenae*

Septoria convolvuli Desm.

HOST/SUBSTRATE/LOCALITY:

- *Convolvulus arvensis* L.: Kosobody village, Tomaszów Lubelski town (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: garden, roadside.

Septoria cornina Kuhn.-Lord.

HOST/SUBSTRATE/LOCALITY:

- *Cornus sanguinea* L.: Maziarki wild. (2 localities) (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: oak forest.

Septoria erigerontis Peck.

HOST/SUBSTRATE/LOCALITY:

- *Erigeron annuus* (L.) Pers.: Biała Góra hill near Tomaszów Lubelski town (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Septoria galeopsidis Westend.

HOST/SUBSTRATE/LOCALITY:

- *Galeopsis pubescens* Besser L.: Guciów village (Sałata 1991; Wołczańska 2013, on *Galeopsis* sp.).

PLANT COMMUNITY/HABITAT: roadside.

Septoria heterochroa Desm.

HOST/SUBSTRATE/LOCALITY:

- *Malva pusilla* Sm.: Nowiny Horynieckie village (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Septoria lamiicola Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Lamium maculatum* L.: Nowiny Horynieckie village (Sałata *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Septoria laubertiana Teterevn.-Babajan

HOST/SUBSTRATE/LOCALITY:

- *Pimpinella saxifraga* L.: Biała Góra hill near Tomaszów Lubelski town (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Inuletum ensifoliae*.***Septoria lycopersici*** Speg.

HOST/SUBSTRATE/LOCALITY:

- *Lycopersicon esculentum* Mill.: Brody village near Szczebrzeszyn town (Garbowski 1935). Cited by Wołczańska (2013) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: garden.

Septoria oenotherae Westend.

HOST/SUBSTRATE/LOCALITY:

- *Oenothera biennis* L.: Hrebenne village (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Septoria petroselini Desm.

HOST/SUBSTRATE/LOCALITY:

- *Petroselinum crispum* (Mill.) A. W. Hill [= *Petroselinum sativum* Hoffm.]: Tomaszów Lubelski town (Sałata 1991).

PLANT COMMUNITY/HABITAT: garden.

Septoria podagrariae → ***Septoria aegopodii***

Septoria polygonorum Desm.

HOST/SUBSTRATE/LOCALITY:

- *Polygonum persicaria* L.: Hrebenne village (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Septoria pyricola Desm.

HOST/SUBSTRATE/LOCALITY:

- *Pyrus communis* L.: Siedliska village (Wołczańska 2013).

PLANT COMMUNITY/HABITAT: roadside.

Septoria ribis* → *Mycosphaerella ribis***Septoria salviae*** Pass.

HOST/SUBSTRATE/LOCALITY:

- *Salvia verticillata* L.: Biała Góra hill near Tomaszów Lubelski town (LBL M-23816, 11 July 1982, leg. A. Piotrowska).

PLANT COMMUNITY/HABITAT: slope.

Septoria scabiosicola Desm.

HOST/SUBSTRATE/LOCALITY:

- *Knautia arvensis* (L.) J.M. Coult.: Guciów village (Sałata 1991); Narol town (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: meadow, railway embankment.

Septoria sorbi Lasch

HOST/SUBSTRATE/LOCALITY:

- *Sorbus aucuparia* L. emend. Hedl.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets along a road.

Septoria stachydis Roberge ex Desm.

HOST/SUBSTRATE/LOCALITY:

- *Stachys sylvatica* L.: Maziarki wild. (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Septoria stellariae Roberge & Desm.

HOST/SUBSTRATE/LOCALITY:

- ***Stellaria media*** (L.) Vill.: Kosobudy village, Krzywe wild. near Kosobudy village (Sałata 1991; Wołczańska 2013); Żyłka village near Bełzec village (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest, mixed forest.

Septoria trientalis (Lasch) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Trientalis europaea*** L.: Roztocze NP – near Stawy Echo ponds, Zwierzyniec town (Sałata 1991; Wołczańska 2013); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest.

Septoria urticae Rob. ex Desm.

HOST/SUBSTRATE/LOCALITY:

- ***Urtica dioica*** L.: Narol town (LBL M-23809, 30 Sept. 1992, *leg. B. Hypiak*).

PLANT COMMUNITY/HABITAT: rubbish heap.

Septoria valerianae Sacc. & Fautrey

HOST/SUBSTRATE/LOCALITY:

- ***Valeriana angustifolia*** Tausch: Brody village near Szczebrzeszyn town (2 localities) (Wołczańska 2013). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic grassland on limestone slope.

Septoria vincae Desm.

HOST/SUBSTRATE/LOCALITY:

- ***Vinca minor*** L.: Hrebenne village (Romaszewska-Sałata *et al.* 1997). Cited by Wołczańska (2013) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest.

Sepultaria arenicola → ***Geopora arenicola******Sordaria*** Ces. & De Not.***Sordaria fimicola*** (Roberge & Desm.) Ces. & De Not.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obroc village, Zwierzyniec town (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: not listed.

Sordaria papyricola G. Winter

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Zwierzyniec town (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Spathularia Pers.***Spathularia flavida*** Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: near Bukowa Góra res. (Domański 1999a).

PLANT COMMUNITY/HABITAT: young larch forest.

Spermosporina alismatis → ***Plectosphaerella alismatis****Sphaceloma pyrinum* ['pirinum'] → ***Elsinoë pyri******Sphaerellopsis*** Cooke***Sphaerellopsis filum*** (Biv.) B. SuttonSYNONYMS: *Darluca filum* (Biv.) Castagne

HOST/SUBSTRATE/LOCALITY:

- ***Melampsora allii-fragilis*** Kleb. [fungi; on *Salix fragilis* L.]: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Puccinia caricina*** DC. [fungi; on *Carex hirta* L.]: Hrebenne village (LBL M-21630, 25 Oct. 1989, *leg. A. Dudzik*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Puccinia coronata*** Corda [fungi; on *Phalaris arundinacea* L.]: Obroczy village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Puccinia melicae*** Erikss. [fungi; on *Melica nutans* L.]: Roztocze NP – without precise location (Romaszewska-Sałata 1981); Jarugi res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).
- ***Puccinia obscura*** J. Schröt. [fungi; on *Luzula multiflora* (Retz.) Lej.]: Kosobudy village (LBL M-21678, 24 June 1967, *leg. B. Sałata*; LBL M-21677, 24 June 1979, *leg. S. Łączka*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Puccinia pygmaea*** Erikss. [fungi; on *Calamagrostis epigejos* (L.) Roth]: Roztocze NP – without precise location (Romaszewska-Sałata 1981); near Nart res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).
- ***Uromyces rumicis*** (Schum.) Wint. [fungi; on *Rumex obtusifolius* L.]: Guciów village (LBL M-21581, 27 June 1984, *leg. J. Balicka*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: beech forest (incl. roadsides), forest glade, meadow, bank of the Wieprz river, thickets.

NOTES: The fungus was collected in anamorphic stage. Information about the species occurrence in the Roztocze region was also provided in the paper by Chmiel *et al.* (1994).

Sphaeropsis visci → ***Phaeobotryosphaeria visci***
Sphaerospora asperior → ***Ramsbottomia asperior***
Sphaerotheca alchemillae → ***Podosphaera aphanis*** var. ***aphanis***
Sphaerotheca aphanis → ***Podosphaera aphanis*** var. ***aphanis***
Sphaerotheca balsaminae → ***Podosphaera balsaminae***
Sphaerotheca epilobii → ***Podosphaera epilobii***
Sphaerotheca erigerontis-canadensis → ***Podosphaera erigerontis-canadensis***
Sphaerotheca euphorbiae → ***Podosphaera euphorbiae***
Sphaerotheca ferruginea → ***Podosphaera ferruginea***
Sphaerotheca fuliginea → ***Podosphaera fuliginea***
Sphaerotheca fusca (on *Bidens cernua*, *Bidens tripartita*) → ***Podosphaera xanthii***
Sphaerotheca fusca (on *Melampyrum pratense*) → ***Podosphaera phtheirospermi***
Sphaerotheca fusca (on *Taraxacum officinale*) → ***Podosphaera erigerontis-canadensis***
Sphaerotheca macularis → ***Podosphaera macularis***
Sphaerotheca melampyri → ***Podosphaera phtheirospermi***
Sphaerotheca mors-uvae → ***Podosphaera mors-uvae***
Sphaerotheca pannosa → ***Podosphaera pannosa***
Sphaerotheca xanthii → ***Podosphaera xanthii***
Spilocaea pomi → ***Venturia inaequalis***

Splanchnonema Corda

Splanchnonema pupula (Fr.) Kuntze

HOST/SUBSTRATE/LOCALITY:

- ***Acer pseudoplatanus*** L. (dead and living twigs): Kosobody Forest Range – sect. 80 (Chlebicki 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

NOTES: The fungus was collected in anamorphic and teleomorphic stages.

Sporormia ambigua → ***Sporormiella lageniformis***

Sporormia corynespora → ***Sporormiella corynespora***

Sporormia intermedia → ***Sporormiella intermedia***

Sporormia minima → ***Sporormiella minima***

Sporormia vexans → ***Sporormiella vexans***

Sporormiella Ellis & Everh.

Sporormiella corynespora (Niessl) S.I. Ahmed & Cain

SYNONYMS: *Sporormia corynespora* Niessl

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Kosobody village, Obroc village (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Sporormiella intermedia (Auersw.) S.I. Ahmed & Cain ex KobayasiSYNONYMS: *Sporormia intermedia* Auersw.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Szum res. near Górecko village (Bednarczyk 1974); Kosobudy village, Obrocz village (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Sporormiella lageniformis (Fuckel) S.I. Ahmed & CainSYNONYMS: *Sporormia ambigua* Niessl

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Szum res. near Górecko village (Bednarczyk 1974); Kosobudy village, Obrocz village, Zwierzyniec town (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Sporormiella minima (Auersw.) S.I. Ahmed & CainSYNONYMS: *Sporormia minima* Auersw.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obrocz village, Zwierzyniec town (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: not listed.

Sporormiella vexans (Auersw.) S.I. Ahmed & CainSYNONYMS: *Sporormia vexans* Auersw.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Bukowa Góra res., Kosobudy village, Obrocz village (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Stagonospora (Sacc.) Sacc.*Stagonospora avenae* → ***Parastagonospora avenae******Stagonospora subseriata*** (Desm.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Molinia caerulea*** (L.) Moench. [= *Molinia caerulea* (L.) Moench]: Obrocz village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: meadow.

NOTES: The fungus was collected in anamorphic stage.

Stigmatea robertiani → ***Coleroa robertiani***

Stigmatula (Sacc.) Syd. & P. Syd.

Stigmatula astragali (Lasch) P.F. Cannon

SYNONYMS: *Polystigma astragali* (Lasch) Höhn.

HOST/SUBSTRATE/LOCALITY:

- ***Astragalus cicer*** L.: Biała Góra hill near Tomaszów Lubelski town (LBL M-5114 and LBL M-5115, 26 Sept. 1982, leg. J. Romaszewska-Sałata).

PLANT COMMUNITY/HABITAT: *Peucedano cervariae-Coryletum*, xerothermic grassland.

Symplectromyces Thaxt.

Symplectromyces vulgaris (Thaxt.) Thaxt.

HOST/SUBSTRATE/LOCALITY:

- ***Quedius vexans*** ab. ***langenhami*** (Eppelsheim) (insects; Coleoptera): Żurawnica village (Majewski 2008). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: nest of European mole *Talpa europaea* (Linnaeus).

Tapesia (Pers.) Fuckel

Tapesia fusca (Pers.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- Twigs: Sąsiadka village (LBL M-8369, 3 May 1991, leg. M. Chmiel); Maziarki wild. (LBL M-13772, 12 June 1990, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, *Tilio-Carpinetum* in ravine.

Tapesia lividofusca (Fr.) Rehm

SYNONYMS: *Tapesia melaleucoides* Rehm

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen cupules and twigs): Nart res. (Sałata 1972); Czerkies res., Obroc res. (Sałata 1972; Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).
- Fallen twigs: Olszanka (LBL M-7664, 16 July 1998, leg. M. Chmiel); Szczebrzeszyn town – Szperówka district (LBL M-7665 and LBL M-7666, 27 June 1987, leg. M. Chmiel).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum* in loess ravine, fir forest.

Tapesia melaleucoides → ***Tapesia lividofusca***

Tapesia rosae → ***Mollisia rosae***

Tapesia strobilicola (Rehm) Sacc.

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (fallen cones): Obroc res. (Sałata 1972; Chmiel 1978); Zwierzyniec res. (Chmiel 1978); Lubycza Królewska town (LBL M-7716, 3 June 1986, leg. M. Chmiel). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*.***Taphrina*** Fr.***Taphrina betulae*** (Fuckel) Johanson

HOST/SUBSTRATE/LOCALITY:

- ***Betula pendula*** Roth: Majdan Górny village (Sałata 1974b); Maziarki wild., Obroc res., Roztocze NP – near Stawy Echo ponds, Stoki wild. (Sałata 1991); Kosobudy village (LBL M-6410, 12 Oct. 1979, leg. T. Brach); Zwierzyniec res. (LBL M-6405, 5 Sept. 1975, leg. B. Sałata). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Peucedano-Pinetum*, pine forest, mixed forest, forest communities, thickets, roadsides.***Taphrina betulina*** Rostr

HOST/SUBSTRATE/LOCALITY:

- ***Betula pubescens*** Ehr.: Susiec village (2014, pers. obs. W. Mułenko). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: mixed forest.

Taphrina bullata (Berk.) Tul.

HOST/SUBSTRATE/LOCALITY:

- ***Pyrus communis*** L.: Kosobudy village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: forest margin.

Taphrina padi (Jac.) Mix

HOST/SUBSTRATE/LOCALITY:

- ***Padus avium*** Mill. [= *Prunus padus* L.]: Kamienna Góra wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: alder forest by the Wieprz river.

Taphrina populina Fr.

HOST/SUBSTRATE/LOCALITY:

- *Populus* × *canadensis* Moench: Hamernia village, Majdan Górny village, Szczebrzeszyn town (Sałata 1974b). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Populus nigra* L.: Brody village near Szczebrzeszyn town (Sałata 1974b); Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: parks, along roads.

Taphrina pruni (Fuckel) Tul.

HOST/SUBSTRATE/LOCALITY:

- *Prunus domestica* L.: Tomaszów Lubelski town (Garbowski 1935). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: orchard.

Taphrina sadebeckii Johanson

HOST/SUBSTRATE/LOCALITY:

- *Alnus glutinosa* (L.) Gaertn.: Guciów village, Stoki wild., Zwierzyniec town (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Obroc res. (LBL M-6637, 18 July 1980, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Carici elongatae-Alnetum*, peat bog, thickets on meadows.***Taphrina tosquinetii*** (Westend.) Magnus

HOST/SUBSTRATE/LOCALITY:

- *Alnus glutinosa* (L.) Gaertn.: Koszele village near Susiec village, Sikliwce village near Susiec village, Zwierzyniec town (Sałata 1974b); Guciów village, Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Obroc res. (LBL M-6704, 18 July 1980, leg. B. Sałata); Zaburze village near Szczebrzeszyn town (LBL M-6699, 29 May 1977, leg. A. Poświatowska). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: alder forests, thickets on meadows.

Taphrina wiesneri (Ráthay) Mix

HOST/SUBSTRATE/LOCALITY:

- *Padus avium* Mill. [= *Prunus avium* L.]: Maziarki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b) and Mufenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: oak forest.

Tarzetta (Cooke) Lambotte***Tarzetta catinus*** (Holmsk.) Korf & J.K. Rogers

SYNONYMS: *Peziza pustulata* (Hedwig) Pers., *Pustulina catinus* (Holmsk.) Eckblad

HOST/SUBSTRATE/LOCALITY:

- Soil: Nart res. (Sałata 1972); Obrocz res. (Sałata 1972; Chmiel 1978); Olszanka village (LBL M-7619, 19 Aug. 1996, *leg. M. Chmiel*); Topólcza village near Szczebrzeszyn town (LBL M-6770, 7 June 1986, *leg. M. Chmiel*); Florianka wild. (LBL M-6769, 18 July 1980, *leg. M. Chmiel*). Cited by Sałata (1991), Domański (1997, as *Peziza anthracophila* Dennis), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, thickets in ravine.

Tarzetta cupularis (L.) Svrček

SYNONYMS: *Peziza cupularis* L., *Pustulina cupularis* (L.) Eckblad

HOST/SUBSTRATE/LOCALITY:

- Soil: Krasnobród town (Błoński 1896); Obrocz res. (Sałata 1972); Biała Góra hill near Tomaszów Lubelski town (LBL M-8324, 26 Aug. 1982, *leg. M. Chmiel*); Szczebrzeszyn town (LBL M-6774, 27 June 1987, *leg. M. Chmiel*); Szczebrzeszyn town – Szperówka district (LBL M-6775, 27 June 1987, *leg. M. Chmiel*). Cited by Chmiel (1978, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, thickets in ravine.

Thecotheus Boud.***Thecotheus holmskioldii*** (E.C. Hansen) Eckblad

SYNONYMS: *Ascophanus holmskioldii* E.C. Hansen

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Zwierzyniec town (Chmiel 1977); Roztocze NP – near the Wieprz river (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: wet meadow.

Thecotheus pelletieri (P. Crouan & H. Crouan) Boud.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Zwierzyniec town (Chmiel 1977); Roztocze NP – near the Wieprz river (Chmiel 1978); Czerkies res. (LBL M-42, 27 Apr. 1987, *leg. M. Chmiel*); Kawęczynek village near Szczebrzeszyn town (LBL M-7593, 7 June 1986, *leg. M. Chmiel*); Szczebrzeszyn town – Szperówka district (LBL M-7594, 27 June 1987, *leg. M. Chmiel*). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b, also incorrectly after Bednarczyk 1974).

PLANT COMMUNITY/HABITAT: wet meadow, thickets in ravine.

Thelebolus Tode***Thelebolus polysporus*** (P. Karst.) Otani & KanzawaSYNONYMS: *Ryparobius polysporus* (P. Karst.) Sacc. [as 'Rhyparobius']

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Szum res. near Górecko village (Bednarczyk 1974); Kosobudy village, Obroc village (Chmiel 1977); Jarugi res., Obroc res., Stoki wild. (Chmiel 1978). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*.***Thelebolus stercoreus*** Tode

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Bukowa Góra res. (Chmiel 1977, 1978); Kosobudy village, Obroc village, Zwierzyniec town (Chmiel 1977); Czerkies res., Jarugi res., Stoki wild., Zwierzyniec res. (Chmiel 1978); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Chmiel (2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roads in forests – *Abietetum polonicum*, *Dentario glandulosae-Fagetum* and *Vaccinio myrtilli-Pinetum*.***Tolypocladium*** W. Gams***Tolypocladium capitatum*** (Holmsk.) Quandt, Kepler & SpataforaSYNONYMS: *Cordyceps capitata* (Holmsk.) Link

HOST/SUBSTRATE/LOCALITY:

- ***Elaphomyces granulatus*** Fr. (fungi; fruit body): Bełżec village (Sałata 1967). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: oak forest with admixture of hornbeam.

Tolypocladium ophioglossoides (Ehrh.) Quandt, Kepler & SpataforaSYNONYMS: *Cordyceps ophioglossoides* (Ehrh.) Link

HOST/SUBSTRATE/LOCALITY:

- ***Elaphomyces asperulus*** Vittad. (fungi; fruit body): Bukowa Góra res. (3 localities) (Sałata 1969a, 1972); Roztocze Środkowe region – without precise location (Sałata 1990, on *Elaphomyces* sp.); Roztocze NP – without precise location (Chmiel *et al.* 1994, on *Elaphomyces* sp.). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Elaphomyces muricatus*** Fr. [= *Elaphomyces variegatus* Vittad.] (fungi; fruit body): Bukowa Góra res. (2 localities) (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990, on *Elaphomyces* sp.); Roztocze NP – without precise location (Chmiel *et al.* 1994, on *Elaphomyces* sp.). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Tricharina Eckblad**Tricharina cretea** (Cooke) K.S. Thind & Waraitch

HOST/SUBSTRATE/LOCALITY:

- Soil: Szczebrzeszyn town (LBL M-7621, 17 Sept. 1994, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: under apple tree in old orchard.

Tricharina gilva (Boud. ex Cooke) EckbladSYNONYMS: *Lachnea gilva* (Boud.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Soil: Topólcza village near Szczebrzeszyn town (LBL M-7620, 7 June 1986, *leg. M. Chmiel*; LBL M-6784, 12 July 1991, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: loess ravine.

Trichobolus (Sacc.) Kimbr. & Cain**Trichobolus sphaerosporus** Kimbr.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Bukowa Góra res., Obroc res., Zwierzyniec res. (Chmiel 1978); Florianka wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roads in: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, *Vaccinio uliginosi-Pinetum*.**Trichobolus zukalii** Heimerl

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Nart res. – sect. 101 (LBL M-6786, 17 July 1979, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.**Trichodelitschia** Munk**Trichodelitschia bisporula** (P. Crouan & H. Crouan) MunkSYNONYMS: *Pleurage minuta* (Fuckel) Kuntze, *Pleurage minuta* (Fuckel) Kuntze f. *minuta*, *Pleurage minuta* f. *tetraspora* (G. Winter) Moreau

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Szum res. near Górecko village (Bednarczyk 1974); Bukowa Góra res., Obroc village, Zwierzyniec town (Chmiel 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Trichophaea Boud.***Trichophaea amphidoxa*** (Rehm) Boud.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (wood and bark): Bukowa Góra res., Obroc res. (Chmiel 1978). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Trichophaea bicuspis* → ***Trichophaeopsis bicuspis****Trichophaea gregaria* → ***Humaria gregaria******Trichophaea hemisphaerioides*** (Mouton) Graddon

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Jarugi res. (Chmiel 1978). Cited by Chmiel (1981, 2006), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Trichophaea woolhopeia*** (Cooke & W. Phillips) Boud.

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Obroc res. (Sałata 1991).
- Soil: Sąsiadka village (LBL M-5266, LBL M-5457 and LBL M-6817, 31 July 1991, *leg. M. Chmiel*).

PLANT COMMUNITY/HABITAT: loess ravine.

Trichophaeopsis Korf & Erb***Trichophaeopsis bicuspis*** (Boud.) Korf & ErbSYNONYMS: *Trichophaea bicuspis* (Boud.) Boud.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. and ***Populus tremula*** L. (bark and wood buried in plant litter): Jarugi res., Obroc res. (Chmiel 1978); Bukowa Góra res. (Chmiel 1981). Cited by Chmiel (1981, 2006) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.NOTES: In all publications the fungus was reported as '*biscupis*' (probably a misprint).*Trichoscyphella calycina* → ***Lachnellula calycina****Trichoscyphella willkommii* → ***Lachnellula willkommii******Tryblidiopsis*** P. Karst.***Tryblidiopsis pinastri*** (Pers.) P. Karst.SYNONYMS: *Tympanis pinastri* (Pers.) Tul. & C. Tul.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (log): Bukowa Góra res. (Sařata 1972). Cited by Chmiel (1978, 2006), Sařata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Tuber P. Micheli ex F.H. Wigg.

Tuber aestivum (Wulfen) Spreng.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra Protected District – sect. 347? (2010, *pers. obs.* J. Mazur & P. Wysocki).

PLANT COMMUNITY/HABITAT: not listed.

Tympanis pinastri → **Tryblidiopsis pinastri**

Uncinula adunca → **Erysiphe adunca**

Uncinula bicornis → **Sawadaea bicornis**

Unguicularia millepunctata → **Hyalopeziza millepunctata**

Urceolella Boud.

Urceolella crispula (P. Karst.) Boud.

HOST/SUBSTRATE/LOCALITY:

- **Heracleum** sp. (stem): Szczebrzeszyn town (LBL M-13818, 30 May 2004, *leg.* M. Chmiel).
 – Stems of herbaceous plants (Apiaceae): Szczebrzeszyn town (LBL M-8396, 20 Oct. 1985, *leg.* M. Chmiel).

PLANT COMMUNITY/HABITAT: loess ravine, balk.

Ustulina deusta → **Kretzschmaria deusta**

Ustulina vulgaris → **Kretzschmaria deusta**

Valsa ambiens → **Cytospora populina**

Velutarina Korf

Velutarina rufo-olivacea (Alb. & Schwein.) Korf

HOST/SUBSTRATE/LOCALITY:

- **Rubus idaeus** L. (stems): Szczebrzeszyn town (LBL M-7670, 4 July 1992, *leg.* M. Chmiel; LBL M-7669 and LBL M-8398, 23 Aug. 1993, *leg.* M. Chmiel; LBL M-8397, 25 Aug. 1993, *leg.* M. Chmiel; LBL M-7668, 9 Oct. 1994, *leg.* M. Chmiel).

PLANT COMMUNITY/HABITAT: old orchard.

Venturia Sacc.**Venturia inaequalis** (Cooke) G. WinterSYNONYMS: *Spilocaea pomi* Fr.

HOST/SUBSTRATE/LOCALITY:

- **Malus domestica** Borb.: Tomaszów Lubelski town (Sałata 1991).

PLANT COMMUNITY/HABITAT: orchard.

NOTES: The fungus was collected in anamorphic stage.

Venturia pyrina Aderh.SYNONYMS: *Fusicladium pyrorum* (Lib.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- **Pyrus communis** L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets along a road.

NOTES: The fungus was collected in anamorphic stage.

Verpa Sw.**Verpa bohemica** (Krombh.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- Soil: Słupy Protected District – sect. 83k (Białobrzieszka 2013), sect. 84b (2007, *pers. obs. B. Radliński*).

PLANT COMMUNITY/HABITAT: deciduous forest.

Xylaria Hill ex Schrank**Xylaria carpophila** (Pers.) Fr.SYNONYMS: *Xylosphaera carpophila* (Pers.) Dumort.

HOST/SUBSTRATE/LOCALITY:

- **Fagus sylvatica** L. (cupules): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.**Xylaria hypoxylon** (L.) Grev.SYNONYMS: *Xylosphaera hypoxylon* (L.) Dumort.

HOST/SUBSTRATE/LOCALITY:

- **Fagus sylvatica** L. (stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Jarugi res., Maziarki wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

- Stumps and logs of deciduous trees: Roztocze Środkowe region – without precise location (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, beech forest, beech-fir forest, fir forest, oak forest.

Xylaria longipes Nitschke

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (branches lying in the plant litter): Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Xylaria polymorpha (Pers.) Grev.

SYNONYMS: *Xylosphaera polymorpha* (Pers.) Dumort

HOST/SUBSTRATE/LOCALITY:

- ***Acer pseudoplatanus*** L. (fallen branches): Kosobody Forest Range – sect. 80 (Chlebicki 1988). Cited by Kozłowska *et al.* (2015b).
- ***Fagus sylvatica*** L. (logs, stumps and fallen branches): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Jarugi res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- Stumps and logs of deciduous trees: Roztocze Środkowe region – without precise location (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Xylosphaera carpophila → ***Xylaria carpophila***

Xylosphaera hypoxylon → ***Xylaria hypoxylon***

Xylosphaera polymorpha → ***Xylaria polymorpha***

Zasmidium Fr.

Zasmidium subsanguineum (Ellis & Everh.) U. Braun

SYNONYMS: *Ramularia subsanguinea* (Ellis & Everh.) Karak.

HOST/SUBSTRATE/LOCALITY:

- ***Maianthemum bifolium*** (L.) F.W. Schmidt: Florianka wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: *Quercus-Piceetum*, fir forest.

NOTES: The fungus was collected in anamorphic stage.

BASIDIOMYCOTA

Aecidium elatinum → *Melampsorella caryophyllacearum*

Aecidium euphorbiae → *Uromyces pisi-sativi*

Aecidium ranunculacearum → *Uromyces dactylidis*

Agaricus L.

Agaricus arvensis Schaeff.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res. (Sałata 1991); Zwierzyniec town (Domański 1997, as *Agaricus nivescens* F.H. Møller); Tokary village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, beech forest, fir forest, young pine forest.

Agaricus augustus Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1991; Flisińska 2004); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir forest with admixture of spruce, beech-fir forest.

Agaricus butyraceus → *Rhodocollybia butyracea*

Agaricus campanulatus → *Panaeolus papilionaceus*

Agaricus campestris L. [as 'campester']

HOST/SUBSTRATE/LOCALITY:

- Soil: Tarnawa Duża village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.

Agaricus cervinus → *Pluteus cervinus*

Agaricus excelsus → *Amanita excelsa*

Agaricus fascicularis → *Hypholoma fasciculare*

Agaricus fimiputris → *Panaeolus fimiputris*

Agaricus haemorrhoidarius → *Agaricus langei*

Agaricus infundibuliformis → *Clitocybe gibba*

Agaricus infundibuliformis var. *membranacea* → *Clitocybe gibba*

Agaricus laccatus → *Laccaria laccata*

Agaricus langei (F.H. Møller) F.H. Møller

SYNONYMS: *Agaricus haemorrhoidarius* Schulzer ss. J.E. Lange

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obroc res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech-fir forest.

Agaricus lateritius → *Hypholoma lateritium*
Agaricus macrourus → *Hymenopellis radicata*
Agaricus melleus → *Armillaria mellea*
Agaricus muscarius → *Amanita muscaria*
Agaricus nivescens → *Agaricus arvensis*
Agaricus pantherinus → *Amanita pantherina*
Agaricus papilionaceus → *Panaeolus papilionaceus*
Agaricus phalloides → *Amanita phalloides*
Agaricus procerus → *Macrolepiota procera*
Agaricus radicans → *Hymenopellis radicata*
Agaricus rubescens → *Amanita rubescens*
Agaricus saponaceus → *Tricholoma saponaceum*

Agaricus semotus Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Zwierzyniec town (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest, mixed forest.

Agaricus solitarius → *Aspidella solitaria*
Agaricus spissus → *Amanita excelsa*
Agaricus sulphureus ['sulfureus'] → *Tricholoma sulphureum*

Agaricus sylvaticus Schaeff. [as 'sylvaticus']

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Agaricus sylvicola (Vittad.) Peck [as 'sylvicola']

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Batorz village, Olszanka village, Tarnawa village, Wólka Batorska village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, fir forest.

Agaricus terreus → *Tricholoma terreum*

Agaricus vaginatus → *Amanita vaginata*

Agaricus xanthodermus Genev. [as 'xanthoderma']

HOST/SUBSTRATE/LOCALITY:

– Soil: Batorz village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Agrocybe Fayod

Agrocybe erebia (Fr.) Kühner ex Singer

HOST/SUBSTRATE/LOCALITY:

– Soil: Czerkies res. (Sałata 1972; Skirgiełło 1984). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Agrocybe pediades (Fr.) Fayod

SYNONYMS: *Agrocybe semiorbicularis* (Bull.) Fayod

HOST/SUBSTRATE/LOCALITY:

– Soil (among grass): Zwierzyniec town (Domański 1999a). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest with admixture of fir.

Agrocybe praecox (Pers.) Fayod

HOST/SUBSTRATE/LOCALITY:

– Soil (among litter of deciduous trees): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Olszanka village, Wólka Batorska village (Flisińska 2004). Cited by Sałata (1991) and Flisińska (2004).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Agrocybe semiorbicularis → *Agrocybe pediades*

Albatrellus Gray

Albatrellus confluens (Alb. & Schwein.) Kotl. & Pouzar

HOST/SUBSTRATE/LOCALITY:

– *Abies alba* Mill. (fallen branches): Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze NP – without precise location (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Albatrellus ovinus (Schaeff.) Kotl. & Pouzar

HOST/SUBSTRATE/LOCALITY:

- Soil and rotten wood: Roztocze NP – without precise location (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir forest.

Aleurodiscus Rabenh. ex J. Schröt.***Aleurodiscus amorphus*** (Pers.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen twigs): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze region – without precise location (Wojewoda 1977); Nart-Czerkies res. (Wojewoda 1979); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Aleurodiscus digitalis → ***Cyphella digitalis******Amanita*** Pers.*Amanita argentea* → ***Amanita mairei******Amanita battarrae*** (Boud.) Bon

SYNONYMS: *Amanita umbrinolutea* (Secr. ex Gillet) Bataille

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Maziarki wild. (Sałata 1991).

PLANT COMMUNITY/HABITAT: fir forest.

Amanita bulbosa → ***Amanita phalloides******Amanita citrina*** (Schaeff.) Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze Środkowe region – without precise location (Sałata 1969a); Zwierzyniec town (Skirgiełło 1970); Bukowa Góra res., Obroc res. (Skirgiełło 1970; Sałata 1972); Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Stoki wild. (Sałata 1991; Flisińska 2004); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*.

Amanita excelsa (Fr.) Bertill.

SYNONYMS: *Agaricus excelsus* Fr., *Agaricus spissus* Fr., *Amanita spissa* (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Krasnobród town (Błoński 1896); Stoki wild., Tarnawa Duża village (Flisińska 2004). Cited by Chelchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, pine forest, coniferous forest.

Amanita fulva Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Czartowe Pole res., Rybnica village near Susiec village, Wólka Wieprzecka village (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Prof. Zygmunt Czubiński Reserve, Stoki wild., Wólka Batorska village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Tilio-Carpinetum*, *Vaccinio myrtilli-Pinetum*, fir forest.

Amanita gemmata (Fr.) Bertill.

HOST/SUBSTRATE/LOCALITY:

- Soil: Tereszpol village (Domański 1999a); Stoki wild. (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*, pine forest.

Amanita mairei Foley

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Panasówka village (Domański 1997); Tereszpol village (Domański 1999a). Cited by Wojewoda (2003), Halama (2009, as *Amanita argentea* Huijsman) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest with admixture of fir, pine forest, spruce forest.

Amanita muscaria (L.) Lam.

SYNONYMS: *Agaricus muscarius* L.

HOST/SUBSTRATE/LOCALITY:

- Soil: Tomaszów Lubelski town (Błoński 1896); Obroc res. (Sałata 1972); Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Zwierzyniec town (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze region – without precise location (Czarnecka & Janiec 2002); Batorz village, Stoki wild., Zagrody village

(Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004), Mułenko *et al.* (2013) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, glade in fir forest, pine forest, thickets.

Amanita pantherina (DC.) Krombh.

SYNONYMS: *Agaricus pantherinus* DC.

HOST/SUBSTRATE/LOCALITY:

- Soil: Tomaszów Lubelski town (Błoński 1896, reported as *Amanita umbrina* Pers. = *Agaricus pantherinus* DC.); Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Batorz village, Stoki wild., Tarnawa village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004), Mułenko *et al.* (2013) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, coniferous forest, deciduous forest.

NOTES: The locality ‘Tomaszów Lubelski town’ reported by Błoński (1896) was later incorrectly cited by Sałata (1991) as Krasnobród town.

Amanita phalloides (Vaill. ex Fr.) Link

SYNONYMS: *Agaricus phalloides* Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Błoński 1896, reported as *Amanita bulbosa* Bull. = *Agaricus phalloides* Fr.); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Obroc res. (Skirgiełło 1970; Sałata 1972); Nart res. (Sałata 1972; Flisińska 2004); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Maziarki wild., Olszanka village, Prof. Zygmunt Czubiński Reserve, Tarnawa village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Wojewoda (2003), Flisińska (2004), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest, pine forest.

Amanita porphyria Alb. & Schwein.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Obroc res. (Sałata 1972; Skirgiełło 1972); Zwierzyniec town (Skirgiełło 1972); Stoki wild. (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Wólka Batorska village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Tilio-Carpinetum*, *Vaccinio myrtilli-Pinetum*.

Amanita pustulata → *Amanita rubescens*

***Amanita rubescens* Pers.**SYNONYMS: *Agaricus rubescens* Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bondyż village, Zwierzyniec town (Błoński 1896, reported as *Amanita pustulata* Schaeff = *Agaricus rubescens* Scop.); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Czerkies res., Olszanka village, Stoki wild., Tarnawa village, Wólka Batorska village (Flisińska 2004). Cited by Chełchowski (1898), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, *Vaccinio myrtilli-Pinetum*.*Amanita solitaria* → ***Aspidella solitaria****Amanita spissa* → ***Amanita excelsa****Amanita strobiliformis* → ***Aspidella solitaria****Amanita umbrina* → ***Amanita pantherina****Amanita umbrinolutea* → ***Amanita battarrae******Amanita vaginata* (Bull.) Lam.**SYNONYMS: *Agaricus vaginatus* Bull., *Amanitopsis plumbea* (Schaeff.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- Soil: Krasnobród town, Zwierzyniec town (Błoński 1896); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Obroc res. (Sałata 1972); Tarnawa Duża village, Wólka Batorska village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.*Amanita verna* → ***Amanita virosa******Amanita virosa* (Fr.) Bertill.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. [Sałata 1972, as *Amanita verna* (Bull.) Lam.]; Tarnawa Duża village [Flisińska 2004, as *Amanita verna* (Bull.) Pers. ex Vitt.]. Cited by Flisińska (2004), Mułenko *et al.* (2013) and Kozłowska *et al.* (2015a, as two separate species – *Amanita verna* and *Amanita virosa*).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, under fir tree.NOTES: According to Wojewoda (2003), *Amanita verna* (Bull.) Lam. probably does not occur in Poland.

Amanitopsis plumbea → *Amanita vaginata*

Ampulloclitocybe Redhead, Lutzoni, Moncalvo & Vilgalys

Ampulloclitocybe clavipes (Pers.) Redhead, Lutzoni, Moncalvo & Vilgalys

SYNONYMS: *Clitocybe clavipes* (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Florianka wild. (Sałata 1991); Batorz village, Stoki wild. (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Vaccinio myrtilli-Pinetum*, fir forest, pine forest.

Anellaria fimiputris → ***Panaeolus fimiputris***

Anellaria semiovata → ***Panaeolus fimiputris***

Anthracoidea Bref.

Anthracoidea caricis (Pers.) Bref.

HOST/SUBSTRATE/LOCALITY:

- ***Carex hirta*** L.: Szastarka village (LBL M-21462, 23 June 1991, leg. G. Granda).

PLANT COMMUNITY/HABITAT: by railway embankment.

Anthracoidea caricis (on *Carex michelii*) → ***Anthracoidea michelii***

Anthracoidea michelii Vánky

HOST/SUBSTRATE/LOCALITY:

- ***Carex michelii*** Host: Brody village near Szczebrzeszyn town (Kochman & Majewski 1973; Romaszewska-Sałata 1975, 1977). Cited by Piątek *et al.* (2005) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic grassland.

NOTES: In the monograph of Kochman & Majewski (1973) and papers by Romaszewska-Sałata (1975, 1977) the fungus was reported as *Anthracoidea caricis* (Pers.) Bref.

Anthracoidea pratensis (Syd.) Boidol & Poelt

HOST/SUBSTRATE/LOCALITY:

- ***Carex flacca*** Schreb. [= *Carex glauca* Murray]: Brody village near Szczebrzeszyn town (Kochman & Majewski 1973). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Antrodia P. Karst.

Antrodia serialis (Fr.) Donk [= *Coriolellus serialis* (Fr.) Murrill]. NOTES: Sałata (1991) erroneously cited Błoński's (1896) data when reporting the fungus from Krasnobród town. However, in the paper by Błoński (l.c.) there is no information about occurrence of this species in the Roztocze region.

Antrodia sinuosa (Fr.) P. Karst.

SYNONYMS: *Coriolellus vaporarius* (Fr.) Dom., *Polyporus vaporarius* sensu auct.

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004). Cited by Sałata (1991) and Kozłowska *et al.* (2015a).

NOTES: The locality listed by Gordziałowski (1899) as 'Forests of the Zamoyski family estate' was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).

PLANT COMMUNITY/HABITAT: forest.

Antrodiella Ryvarden & I. Johans.***Antrodiella hoehnelii*** (Bres.) Niemelä

SYNONYMS: *Trametes hoehnelii* (Bres.) Pilát

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen branches): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Armillaria (Fr.) Staude***Armillaria mellea*** (Vahl) P. Kumm.

SYNONYMS: *Agaricus melleus* Vahl, *Armillariella mellea* (Vahl) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Fagus sylvatica*** L. (stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Picea abies*** (L.) H. Karst.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Skirgieńo 1972; Flisińska 2004). Cited by Sałata (1991) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as 'Forests of the Zamoyski family estate' was reported more precisely, as Tomaszów Lubelski town in the papers by Skirgieńo (1972) and Flisińska (2004).
- ***Pinus sylvestris*** L.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Skirgieńo 1972; Flisińska 2004); Stoki wild. (Flisińska 2004). Cited by Sałata

(1991) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as 'Forests of the Zamoyski family estate' was reported more precisely, as Tomaszów Lubelski town in the papers by Skirgieńo (1972) and Flisińska (2004).

- Among plant litter: Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Coniferous and deciduous trees (logs, stumps, trunks, near trunks): Zwierzyniec town (Błoński 1896; Chełchowski 1898); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Obroc res. (Skirgieńo 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Florianka wild., Jarugi res., Maziarki wild. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Tokary village (Flisińska 2004). Cited by Skirgieńo (1972), Sałata (1991), Flisińska (2004), Mułenko *et al.* (2013) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, coniferous forest, deciduous forest.

Armillariella mellea → *Armillaria mellea*

Artomyces Jülich

Artomyces pyxidatus (Pers.) Jülich

SYNONYMS: *Clavaria pyxidata* Pers., *Clavicornia pyxidata* (Pers.) Doty

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (stumps): surroundings of Panasówka village (Domański 1997); Roztocze NP – without precise location (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).
- Rotten trunks: Bondyryz village, Tomaszów Lubelski town (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Aspidella E.-J. Gilbert

Aspidella solitaria (Bull.) E.-J. Gilbert

SYNONYMS: *Agaricus solitarius* Bull., *Amanita solitaria* (Bull.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Tomaszów Lubelski town (Błoński 1896; Chełchowski 1898). Cited by Sałata [1991, as *Amanita strobiliformis* (Vitt.) Quél.], Wojewoda [2003, as *Amanita strobiliformis* (Paulet ex Vittad.) Bertill.], Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Asterophora Ditmar***Asterophora lycoperdoides*** (Bull.) Ditmar

SYNONYMS: *Nyctalis asterophora* Fr., *Nyctalis lycoperdoides* (Bull.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Lactarius vellereus*** [as ‘*Lactaria villerea*’] (fungi; old fruit bodies): Zwierzyniec town (Błoński 1896). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Lactarius*** sp. (fungi; old fruit bodies): Żyłka village (Sałata 1991; Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- ***Russula adusta*** (Pers.) Fr. (fungi; old fruit bodies): Obrocz res. (Sałata 1972, on *Russula* sp.). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: The name of the fungus host was precised on the basis of herbarium collection (LBL M-23754, 5 Sept. 1967, *leg. B. Sałata*).
- ***Russula nigricans*** Fr. (fungi; old fruit bodies): Bukowa Góra res. (Sałata 1972, on *Russula* sp.). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: The name of the fungus host was precised on the basis of herbarium collections (LBL M-23753, 6 Sept. 1966, *leg. B. Sałata*; LBL M-23755, 7 Sept. 1966, *leg. B. Sałata*).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, oak forest.

Astraeus Morgan***Astraeus hygrometricus*** (Pers.) Morgan

SYNONYMS: *Geastrum hygrometricum* Pers. [as ‘*Geaster hygrometricus*’], *Geastrum stellatum* (Scop.) Wettst. [as ‘*Geaster stellatus*’]

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Błoński 1896). Cited by Chełchowski (1898), Sałata (1991), Wojewoda (2003), Flisińska (2004), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: coniferous forest, fields, pastures.

Atheniella Redhead, Moncalvo, Vilgalys, Desjardin & B.A. Perry***Atheniella adonis*** (Bull.) Redhead, Moncalvo, Vilgalys, Desjardin & B.A. Perry

SYNONYMS: *Mycena adonis* (Bull. ex. Fr.) Gray

HOST/SUBSTRATE/LOCALITY:

- Plant litter (among mosses): surroundings of Panasówka village (Domański 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Ledo-Sphagnetum magellanici*, pine forest.

Atheniella flavoalba (Fr.) Redhead

SYNONYMS: *Mycena flavoalba* (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen needles): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

***Auricularia* Bull.**

***Auricularia auricula-judae* (Bull.) Quél.**

HOST/SUBSTRATE/LOCALITY:

- *Sambucus nigra* L. (dead branches): Czartowe Pole res. (Kozłowska *et al.* 2015; LBL M-23752, 21 June 2012, leg. M. Kozłowska).

PLANT COMMUNITY/HABITAT: mixed coniferous forest.

Auricularia auricula-judae → *Exidia pithya*

Auriculariopsis ampla → *Schizophyllum amplum*

***Auriscalpium* Gray**

***Auriscalpium vulgare* Gray**

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (fallen cones): Bukowa Góra res., Obroc res. (Sałata 1972; Skirgień 1972); Kruglik wild., Zwierzyniec town (Skirgień 1972); Roztocze NP – without precise location (Sałata 1988); Batorz village, Koszele village near Susiec village, Maziarki wild. (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir-pine forest, pine forest.

***Baeospora* Singer**

***Baeospora myosura* (Fr.) Singer**

HOST/SUBSTRATE/LOCALITY:

- *Picea abies* (L.) H. Karst. (cones burried in plant litter): Bukowa Góra res., Obroc res. (Sałata 1972); Szum res. near Górecko village (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Pinus sylvestris* L. (cones burried in plant litter): Szum res. near Górecko village (Sałata 1991).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, pine forest.

***Bankera* Coker & Beers ex Pouzar**

***Bankera fuligineoalba* (J.C. Schmidt) Coker & Beers ex Pouzar**

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Roztocze Środkowe region – without precise location (Sałata 1990); Borowina village near Józefów town, Stoki wild. (Sałata 1991; Flisińska 2004); surroundings of Panasówka village (Domański 1997); Roztocze NP – without precise location (Domański

1999a); Lasowe ('Lasowce') near Stara Huta village (Wojewoda 2003). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Basidioradulum Nobles

Basidioradulum radula (Fr.) Nobles

SYNONYMS: *Hyphoderma radula* (Fr.) Donk, *Radulum orbiculare* Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (fallen branch): Tokary village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- ***Fagus sylvatica*** L. (fallen twigs): Czerkies res. (Sałata 1972); Jarugi res. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Bjerkandera P. Karst.

Bjerkandera adusta (Willd.) P. Karst.

SYNONYMS: *Polyporus adustus* (Willd.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (bark, stumps): Jarugi res. (Sałata 1991); Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- ***Fagus sylvatica*** L. (rotten logs and stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Branches, logs, stumps and trunks of deciduous trees: Bondyryz village (Błoński 1896; Chelchowski 1898); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, beech-hornbeam forest, fir forest.

Bogbodia Redhead

Bogbodia uda (Pers.) Redhead

SYNONYMS: *Hypholoma udum* (Pers.) Quél., *Psilocybe uda* (Pers.) Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil (among *Sphagnum* sp.; mosses): Stoki wild. (Sałata 1991; Flisińska 2004); Panasówka village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of *Ledo-Sphagnetum magellanici*.

Bolbitius Fr.

Bolbitius aleuriatus → ***Bolbitius reticulatus***

Bolbitius reticulatus (Pers.) RickenSYNONYMS: *Bolbitius aleuriatus* (Fr.) Singer

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten logs): Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Bolbitius titubans*** (Bull.) Fr.SYNONYMS: *Bolbitius vitellinus* (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Bolbitius vitellinus → ***Bolbitius titubans******Boletus*** L.*Boletus bulbosus* → ***Boletus edulis******Boletus calopus*** Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Sałata 1969a, 1972); Bukowa Góra res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, by the roadside.*Boletus chrysenteron* → ***Xerocomellus chrysenteron******Boletus edulis*** Bull.SYNONYMS: *Boletus edulis* var. *edulis* Bull.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Błoński 1896, reported as *Boletus bulbosus* Schaeff.); Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Roztocze Środkowe region – without precise location (Sałata 1990); Czerkies res. (Sałata 1991); Wólka Wieprzecka village (Sałata 1991; Flisińska 2004); Roztocze region – without precise location (Czarnecka & Janiec 2002); Batorz village, Olszanka village, Otrocz village, Stoki wild., Tarnawa village (Flisińska 2004). Cited by Chełchowski (1898, as *Boletus bulbosus* Schaeff.), Sałata (1991), Flisińska (2004), Mułenko *et al.* (2013) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, *Vaccinio myrtilli-Pinetum*, young oak forest.

Boletus edulis var. *reticulatus* → ***Boletus reticulatus***

Boletus erythropus → ***Neoboletus luridiformis***

Boletus ferrugineus Schaeff.

SYNONYMS: *Boletus spadiceus* Schaeff., *Xerocomus spadiceus* (Schaeff.) Quél.

HOST/SUBSTRATE/LOCALITY:

– Soil: Krasnobród town (Błoński 1896). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Boletus granulatus → ***Suillus granulatus***

Boletus luridiformis → ***Neoboletus luridiformis***

Boletus luridus → ***Suillellus luridus***

Boletus parasiticus → ***Pseudoboletus parasiticus***

Boletus pinophilus Pilát & Dermek

HOST/SUBSTRATE/LOCALITY:

– Soil: surroundings of Panasówka village (Domański 1997); Obroc res. (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: spruce forest, under fir tree.

Boletus pulverulentus → ***Cyanoboletus pulverulentus***

Boletus reticulatus Schaeff.

HOST/SUBSTRATE/LOCALITY:

– Soil (among plant litter): Bukowa Góra res. [Sałata 1972, as *Boletus edulis* var. *reticulatus* (Schaeff. ex Boud.) Bat.; Flisińska 2004]; Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Roztocze Środkowe region – without precise location (Sałata 1990); Nart res. (Sałata 1991); Olszanka village, Otrocz village, Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, pine forest.

Boletus satanas → ***Rubroboletus satanas***

Boletus spadiceus → ***Boletus ferrugineus***

Boletus subtomentosus L.

SYNONYMS: *Xerocomus subtomentosus* (L.) Quél.

HOST/SUBSTRATE/LOCALITY:

– Soil: Nart res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Gródki village, Olszanka

village, Stoki wild., Tarnawa village, Wólka Batorska village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, pine forest, spruce-fir forest.

NOTES: The fungus was also listed by Chełchowski (1898) and Flisińska (2004) who cited data of Błoński (1896). However, Błoński (l.c.) did not report this species from the Roztocze region.

Boletus variegatus → *Suillus variegatus*

Bondarzewia Singer

Bondarzewia mesenterica (Schaeff.) Kreisel

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (roots): Lasowe ('Lasowce') near Stara Huta village (Wojewoda 2000b). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: forest with admixture of beech and fir.

Calocera (Fr.) Fr.

Calocera cornea (Batsch) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (branches and stumps): Czartowe Pole res. (Sałata 1991).
- ***Fagus sylvatica*** L. (rotten logs): Nart res. (Sałata 1972; Flisińska 2004); Obrocz res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Bukowa Góra res. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, beech-fir forest.

Calocera viscosa (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten wood): Bukowa Góra res., Nart res. (Sałata 1972); Czerkies res., Obrocz res. (Sałata 1972; Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Pinus sylvestris*** L.: Czerkies res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- Rotten wood of coniferous trees (logs, stumps and fallen twigs): Bondyryz village, Krasnobród town, Zwierzyniec town (Błoński 1896; Chełchowski 1898); Roztocze Środkowe region – without precise location (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Czartowe Pole res., Stoki wild. (Sałata 1991); Maziarki wild. (Sałata 1991; Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest.

Calocybe* Kühner**Calocybe gambosa* (Fr.) Donk**

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Sałata 1991).

PLANT COMMUNITY/HABITAT: young pine forest.

Calvatia* Fr.Calvatia excipuliformis* → ***Lycoperdon excipuliforme****Calvatia excipuliformis* f. *excipuliformis* → ***Lycoperdon excipuliforme******Calvatia gigantea* (Batsch) Lloyd**SYNONYMS: *Langermannia gigantea* (Batsch) Rostk.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze region – without precise location (Skirgiełło 1970, in the publication the locality was marked only on the map, Fig. 3); Roztocze Środkowe region – without precise location (Sałata 1990); between Korhynie and Przeorsk villages near Tomaszów Lubelski town (Rozwałka & Stachowicz 2004); Słupy Protected District – sect. 28h and 96m (Białobrzeska 2013); Bukowa Góra Protected District – sect. 207d (2007, *pers. obs. M. Tchórzewski*); Jarugi Protected District – sect. 79g (2007, *pers. obs. B. Radliński*). Cited by Friedrich (1977), Flisińska (1985), Rozwałka & Stachowicz (2004), Białobrzeska (2013), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: meadow, roadside ditch.

Calyptella* Quél.**Calyptella capula* (Holmsk.) Quél.**

HOST/SUBSTRATE/LOCALITY:

- Dead stems of herbaceous plants (?*Urtica* sp.): Zwierzyniec town [Domański 1997, as *Calyptella gibbosa* (Lév.) Quél.]. Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with admixture of poplar.

Calyptella gibbosa → ***Calyptella capula****Calyptospora goeppertiana* → ***Pucciniastrum goeppertianum****Camarophyllus niveus* → ***Cuphophyllus virgineus******Cantharellula* Singer*****Cantharellula umbonata* (J.F. Gmel.) Singer**

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Bukowa Góra res., Czartowe Pole res., Obroc res., Szum res. near Górecko village (Sałata 1991). Zwierzyniec town (Sałata 1991; Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest, pine forest with admixture of fir.

***Cantharellus* Adans. ex Fr.**

***Cantharellus aurora* (Batsch) Kuyper**

SYNONYMS: *Cantharellus lutescens* Fr., *Cantharellus xanthopus* (Pers.) Duby

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Zwierzyniec town (Domański 1997); Roztocze NP – without precise location (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir forest, pine forest.

***Cantharellus cibarius* Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Krasnobród town, Zwierzyniec town (Błoński 1896); Bukowa Góra res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Bondyryz village, Czartowe Pole res., Jarugi res., Maziarki wild., Wólka Wieprzecka village (Sałata 1991); Stoki wild. (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Gródki village, Huta village, Olszanka village, Tarnawa village, Tarnawa Duża village, Tokary village, Wólka Batorska village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004), Mułenko *et al.* (2013) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, *Vaccinio myrtilli-Pinetum*, coniferous forest, deciduous forest.

***Cantharellus cinereus* (Pers.) Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Bukowa Góra res. (Sałata 1972); Obroc res. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Cantharellus lutescens → ***Craterellus aurora***

***Cantharellus tubaeformis* Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Czartowe Pole res., Szum res. near Górecko village (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Cantharellus xanthopus → ***Cantharellus aurora***

Catathelasma Lovejoy

Catathelasma imperiale (Quél.) Singer. NOTES: The fungus was incorrectly reported by Mułenko *et al.* (2013) from the Roztocze National Park.

Cerocorticium molare → ***Radulomyces molaris***

Chaetoporus euporus → ***Junghuhnia nitida***

Chalciporus Bataille

Chalciporus piperatus (Bull.) Bataille

HOST/SUBSTRATE/LOCALITY:

– Soil (among grass): Stoki wild. (Sałata 1991).

PLANT COMMUNITY/HABITAT: young pine forest, grassy forest glade.

Chalymmota campanulata ['*Chalymmotta*'] → ***Panaeolus papilionaceus***

Chalymmota papilionacea ['*Chalymmotta*'] → ***Panaeolus papilionaceus***

Chamaemyces Battarra ex Earle

Chamaemyces fracidus (Fr.) Donk

HOST/SUBSTRATE/LOCALITY:

– Soil: surroundings of Zwierzyniec town (Domański 1997); Turzyniec village and its surroundings (Domański 1997, 1999a); Lasowe ('Lasowce') near Stara Huta village (Wojewoda 2003). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, beech-fir forest.

Chlorophyllum Masee

Chlorophyllum rachodes (Vittad.) Vellinga

SYNONYMS: *Macrolepiota rachodes* (Vittad.) Singer [as '*rhacodes*']

HOST/SUBSTRATE/LOCALITY:

– Soil: Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Czartowe Pole res., Szum res. near Górecko village (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Zwierzyniec town and its surroundings (Domański 1999a); Batorz village, Huta village, Olszanka village, Otrocz village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, fir forest, pine forest.

Chondrostereum Pouzar***Chondrostereum purpureum*** (Pers.) PouzarSYNONYMS: *Stereum purpureum* Pers.

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L. (rotten wood): Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Deciduous trees: Zwierzyniec town (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Chroogomphus*** (Singer) O.K. Mill.***Chroogomphus rutilus*** (Schaeff.) O.K. Mill.SYNONYMS: *Gomphidius rutilus* (Schaeff.) O.K. Mill.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Sałata 1991); Roztocze NP – without precise location (Domański 1999a). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with large admixture of fir, young pine forest.

Chrysomphalina strombodes → ***Gerronema strombodes******Clathrus*** P. Micheli ex L.***Clathrus archeri*** (Berk.) Dring

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Słupy Protected District – sect. 96m (Białobrzeska 2013); Obroc Protected District sect. 237 (10 Nov. 2016, *pers. obs.* P. Stachyra & P. Marczakowski).

PLANT COMMUNITY/HABITAT: mid-forest meadow.

Clavaria Vaill. ex L.***Clavaria fragilis*** Holmsk.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Roztocze NP – without precise location (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of young pine forest.

Clavaria pyxidata → ***Artomyces pyxidatus***

Clavariadelphus Donk*Clavariadelphus fistulosus* → ***Macrotyphula fistulosa****Clavariadelphus junceus* → ***Macrotyphula juncea******Clavariadelphus pistillaris*** (L.) Donk

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze Środkowe region – without precise location (Sałata 1990); Jarugi Protected District – sect. 64b (Białobrzaska 2013), sect. 64c (Mułenko *et al.* 2013; 2010, *pers. obs.* A. Dziewa); Słupy Protected District – sect. 691 (Białobrzaska 2013), sect. 69 (Mułenko *et al.* 2013; 2008 and 2010, *pers. obs.* J. Kuryło). Cited by Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: fir-beech forest, deciduous forest, mixed forest.

Clavicornona pyxidata → ***Artomyces pyxidatus******Clavulina*** J. Schröt.***Clavulina amethystina*** (Bull.) Donk

HOST/SUBSTRATE/LOCALITY:

- Soil: Zagrody village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.***Clavulina cinerea*** (Bull.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Czartowe Pole res., Jarugi res., Szum res. near Górecko village (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Huta village, Tarnawa village, Tarnawa Duża village, Tokary village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, fir forest.***Clavulina coralloides*** (L.) J. Schröt.SYNONYMS: *Clavulina cristata* (Holmsk.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Czartowe Pole res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Tarnawa village, Tokary village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, fir forest.*Clavulina cristata* → ***Clavulina coralloides***

Clavulina rugosa (Bull.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Sałata 1972); Jarugi res. (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest, fir forest, grassy glade in fir forest.

Climacocystis Kotl. & Pouzar***Climacocystis borealis*** (Fr.) Kotl. & Pouzar

SYNONYMS: *Polyporus borealis* Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Picea abies*** (L.) H. Karst. (wood): Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004). Cited by Sałata (1991) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).
- ***Pinus sylvestris*** L. (stumps): Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).
- Stumps of coniferous trees [not precisely listed – *Abies alba* Mill. or *Picea abies* (L.) H. Karst.]: Bukowa Góra res. (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest, mixed forest.

Clitocella Kluting, T.J. Baroni & Bergemann***Clitocella mundula*** (Lasch) Kluting, T.J. Baroni & Bergemann

SYNONYMS: *Rhodocybe mundula* (Lasch) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Nart res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004, also incorrectly from Bukowa Góra res.) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Clitocybe (Fr.) Staude

Clitocybe clavipes → ***Ampulloclitocybe clavipes***

Clitocybe dealbata (Sowerby) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): near Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest.

Clitocybe ditopa (Fr.) Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Bukowa Góra res. (Sałata 1991); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine-fir forest, pine forest.

Clitocybe ericetorum → ***Lichenomphalia umbellifera******Clitocybe gibba*** (Pers.) P. Kumm.SYNONYMS: *Agaricus infundibuliformis* Schaeff., *Agaricus infundibuliformis* var. *membranacea* (Vahl) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass, mosses and plant litter): Krasnobród town, Zwierzyniec town (Błoński 1896; Chełchowski 1898); Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Jarugi res., Maziarki wild. (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Otrocz village, Tarnawa village, Zdziłowice village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, thickets, mid-forest meadow.*Clitocybe gilva* → ***Lepista gilva******Clitocybe inornata*** (Sowerby) Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil: Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.*Clitocybe inversa* → ***Lepista flaccida****Clitocybe langei* → ***Clitocybe vibecina******Clitocybe nebularis*** (Batsch) P. Kumm.SYNONYMS: *Lepista nebularis* (Batsch) Harmaja

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Batorz village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Clitocybe odora (Bull.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (litter of deciduous trees): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.***Clitocybe phyllophila*** (Pers.) P. Kumm.SYNONYMS: *Clitocybe pithyophila* (Fr.) Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil (litter of coniferous and deciduous trees): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.*Clitocybe pityophila* → ***Clitocybe phyllophila******Clitocybe pruinosa*** (Lasch) P. Kumm.SYNONYMS: *Clitocybe radicellata* Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil (litter of coniferous trees): Bukowa Góra res., Obroc res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Kruglik Forest Range (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.*Clitocybe radicellata* → ***Clitocybe pruinosa******Clitocybe sinopica*** (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest.

Clitocybe squamulosa (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir forest, grassy roadside.

Clitocybe vermicularis (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obroc res. (Sałata 1972). Cited by Domański (1997), Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir forest with admixture of pine.

Clitocybe vibecina (Fr.) Quél.SYNONYMS: *Clitocybe langei* Singer ex Hora

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses and litter of coniferous trees): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Stoki wild. (Sałata 1991; Flisińska 2004); Batorz village, Olszanka village, Tarnawa village, Tokary village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, coniferous forest.***Clitocybula*** (Singer) Singer ex Métrod***Clitocybula lacerata*** (Scop.) Métrod

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.***Clitopilus*** (Fr. ex Rabenh.) P. Kumm.***Clitopilus hobsonii*** (Berk.) P.D. Orton

HOST/SUBSTRATE/LOCALITY:

- *Daedaleopsis confragosa* (Bolton) J. Schröt. (fungi; old fruit bodies): Czartowe Pole res. (Flisińska & Sałata 1991; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Stellario-Alnetum*.***Clitopilus prunulus*** (Scop.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest.

Coleosporium* Lév.Coleosporium campanulae* → ***Coleosporium tussilaginis****Coleosporium euphrasiae* → ***Coleosporium tussilaginis****Coleosporium melampyri* → ***Coleosporium tussilaginis****Coleosporium senecionis* → ***Coleosporium tussilaginis****Coleosporium sonchi* → ***Coleosporium tussilaginis******Coleosporium tussilaginis* (Pers.) Lév.**SYNONYMS: *Coleosporium campanulae* (Pers.) Lév., *Coleosporium euphrasiae* (Schum.) Winter, *Coleosporium melampyri* (Rebent.) Kleb., *Coleosporium senecionis* (Pers.) Fr., *Coleosporium sonchi* Lév.

HOST/SUBSTRATE/LOCALITY:

- ***Campanula cervicaria*** L.: Tomaszów Lubelski town (Błoński 1896). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Campanula patula*** L.: Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1968); Kosobudy village (Romaszewska-Sałata 1974); Czerkies res. (Sałata 1991); Krzywionka res. (LBL M-16600, 16 June 1980, *leg. T. Brach*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Campanula persicifolia*** L.: Horodyszczce wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1968); Roztocze region – without precise location (Majewski 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Campanula rapunculoides*** L.: Tomaszów Lubelski town (Błoński 1896); Brody village near Szczepreszyn town, Kosobudy village (Romaszewska-Sałata 1974); Majdan Górny village (Romaszewska-Sałata 1977); Stoki wild. (Sałata 1991); Batorz village (LBL M-21494, 10 July 1991, *leg. G. Granda*); Szastarka village (LBL M-21495, 8 July 1991, *leg. G. Granda*); Wólka Czarnostocka village near Szczepreszyn town (LBL M-21493, 20 Aug. 1977, *leg. A. Poświętowska*); Zakrzew village (LBL M-16310, 21 Aug. 1967, *leg. P. Piechota*). Cited by Romaszewska-Sałata (1977), Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Campanula rotundifolia*** L.: Józefów town, Stokowa Góra wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1968); Czartowe Pole res. (Romaszewska-Sałata 1974). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Campanula trachelium*** L.: Rybnica village near Susiec village (Romaszewska-Sałata 1974); Majdan Górny village (Romaszewska-Sałata 1977); Obroc res. (Sałata 1991); Batorz village (LBL M-21496, 10 July 1991, *leg. G. Granda*); Lubycza Królewska town (LBL M-21497, 4 Aug. 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Euphrasia stricta*** D. Wolf ex J.F. Lehm.: Majdan Górny village (Romaszewska-Sałata 1974); Bukowa Góra res. (LBL M-21498, 12 Sept. 1980, *leg. J. Romaszewska-Sałata*). Cited by Kozłowska *et al.* (2015b).
- ***Melampyrum arvense*** L.: Tarnawa village (Błoński 1896); Brody village near Szczepreszyn town (Romaszewska-Sałata 1977); Majdan Górny village (LBL M-16217, 6 June 1972, *leg. B. Sałata*). Cited by Kozłowska *et al.* (2015b).
- ***Melampyrum nemorosum*** L.: Jarugi res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

- *Melampyrum pratense* L.: Obroc village (Sałata & Romaszewska-Sałata 1968); Hamernia village (Romaszewska-Sałata 1974); Bukowa Góra res. (Kochman & Sałata 1980); Stoki wild. (Sałata 1991); Florianka wild. (LBL M-21501, 18 July 1980, leg. J. Romaszewska-Sałata); Hrebenne village (LBL M-21500, 12 Aug. 1991, leg. G. Granda); Lubycza Królewska town (LBL M-21499, 4 Aug. 1991, leg. G. Granda); Wólka Wieprzecka village (LBL M-16182, 15 Aug. 1966, leg. S. Łącka). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Odontites serotina* (Lam.) Rchb. s. str. [= *Odontites rubra* Gilib.]: Biała Góra hill near Tomaszów Lubelski town (LBL M-16667, 26 Aug. 1982, leg. B. Sałata).
- *Odontites verna* (Bellardi) Dumort.: Majdan Górny village (Romaszewska-Sałata 1975). Cited by Romaszewska-Sałata (1977) and Kozłowska *et al.* (2015b).
- *Odontites vulgaris* Moench [= *Euphrasia odontites* L.]: Krynice village (Błoński 1896). Cited by Kozłowska *et al.* (2015b).
- *Petasites albus* (L.) Gaertn.: Jarugi res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Pinus sylvestris* L.: Batorz village (LBL M-21502, 10 July 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Senecio sylvaticus* L.: near Nart res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Senecio viscosus* L.: Obroc village (Sałata & Romaszewska-Sałata 1968); Roztocze region – without precise location (Majewski 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Senecio vulgaris* L.: Józefów town (Sałata & Romaszewska-Sałata 1968). Cited by Kozłowska *et al.* (2015b).
- *Sonchus arvensis* L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1974); Tomaszów Lubelski town (Sałata 1991); Batorz village (LBL M-21504, 10 July 1991, leg. G. Granda); Maziarki wild. (LBL M-21503, 18 July 1980, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b).
- *Sonchus asper* (L.) Hill.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1974). Cited by Kozłowska *et al.* (2015b).
- *Sonchus oleraceus* L.: Szastarka village (LBL M-21505, 26 July 1991, leg. G. Granda); Szczebrzeszyn town (LBL M-21506, 29 July 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Tussilago farfara* L.: Hamernia village, Józefów town, Maziarki wild., Susiec village, Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1968); Brody village near Szczebrzeszyn town, Szum res. near Górecko village (Romaszewska-Sałata 1974); Majdan Górny village (Romaszewska-Sałata 1977); Bukowa Góra res., Jarugi res. (Sałata 1991); Batorz village (LBL M-21709, 10 July 1991, leg. G. Granda); Biała Góra hill near Tomaszów Lubelski town (LBL M-16517, 30 Sept. 1971, leg. B. Sałata); Guciów village (LBL M-21507, 9 Sept. 1984, leg. J. Balicka); Kosobudy village (LBL M-16506, 17 June 1971, leg. B. Sałata); Lubycza Królewska town (LBL M-21708, 4 Aug. 1991, leg. G. Granda); Maziarki wild. (LBL M-21710 and LBL M-21711, 18 July 1980, leg. J. Romaszewska-Sałata); Szastarka village (LBL M-21509, 23 May 1991, leg. G. Granda); Zwierzyniec town (LBL M-16536, 22 Oct. 1977, leg. B. Sałata); Zwierzyniec res. (LBL M-16582, 2 Sept. 1979, leg. T. Brach); Zwierzyniec

Forest Range – sect. 104 (LBL M-16543, 22 Oct. 1977, *leg. B. Sałata*); Żyłka village near Bełżec village (LBL M-21508, 25 Oct. 1989, *leg. A. Dudzik*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest, fir forest, fir-beech forest, pine forest, mixed coniferous forest, forests margins, forest glades, meadow, xerothermic grassland, various types of thickets (also with black thorn on limestone slope), roadsides (also in forests), roadside ditch, farmland.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Romaszewska-Sałata (1981), Chmiel *et al.* (1994) and Mułenko *et al.* (2015).

***Collybia* (Fr.) Staude**

Collybia acervata → ***Connopus acervatus***

Collybia asema → ***Rhodocollybia butyracea***

Collybia butyracea → ***Rhodocollybia butyracea***

Collybia confluens → ***Gymnopus confluens***

***Collybia cookei* (Bres.) J.D. Arnold**

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Roztocze NP – without precise location (Sałata 1988); Bukowa Góra res., Obroc res. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir forest.

Collybia distorta → ***Rhodocollybia prolixa* var. *distorta***

Collybia dryophila → ***Gymnopus dryophilus***

Collybia fuscopurpurea → ***Gymnopus fuscopurpureus***

Collybia maculata → ***Rhodocollybia maculata***

Collybia peronata → ***Gymnopus peronatus***

***Collybia tuberosa* (Bull.) P. Kumm.**

HOST/SUBSTRATE/LOCALITY:

- Russulaceae (fungi; old fruit bodies): Bukowa Góra res., Obroc res. (Sałata 1972; Antonín & Noordeloos 1997); Roztocze NP – without precise location (Sałata 1988); Rybnica village near Susiec village, Susiec village – Skwarki district (Antonín & Noordeloos 1997). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Lactarius* sp.**: (fungi; old fruit bodies): Roztocze Środkowe region – without precise location (Sałata 1969a). Cited by Kozłowska *et al.* (2015a)

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Coltricia Gray***Coltricia cinnamomea*** (Jacq.) Murrill

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Zwierzyniec town (Domański 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: on a road between pine forest and fir forest.

Coltricia perennis (L.) MurrillSYNONYMS: *Ochroporus perennis* (L.) J. Schröt., *Polyporus perennis* (L.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bondyż village, Krasnobród town, Zwierzyniec town (Błoński 1896; Chelchowski 1898); Bukowa Góra res., Obroc res. (Sałata 1972); Kruglik Forest Range (Sałata 1988, without precise location from Roztocze NP; Flisińska 2004); Stoki wild. (Sałata 1991; Flisińska 2004), Czartowe Pole res., Szum res. near Górecko village (Sałata 1991); Nart res. (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Strongly rotten trunk: surroundings of Zwierzyniec town (Mułenko *et al.* 2015).

PLANT COMMUNITY/HABITAT: fir-pine forest, pine forest.

Connopus R.H. Petersen***Connopus acervatus*** (Fr.) K.W. Hughes, Mather & R.H. PetersenSYNONYMS: *Collybia acervata* (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Rotten wood (among plant litter): Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.***Conocybe*** Fayod***Conocybe antipus*** (Lasch) Fayod

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest, margin of pine forest.

Conocybe aporos Kits van Wav. [as 'aporus']SYNONYMS: *Pholiotina aporos* (Kits van Wav.) Cléménçon

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res. [Sałata 1972, as *Pholiotina togularis* (Bull.) Fayod]. Cited by Sałata [1991, as *Pholiotina teneroides* (J.E. Lange) Singer], Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Conocybe blattaria (Fr.) Kühner

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest with admixture of fir.

Conocybe brunneola Kühner ex Kühner & Watling

HOST/SUBSTRATE/LOCALITY:

- Soil: Huta village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.

Conocybe pubescens (Gillet) Kühner

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Roztocze NP – without precise location (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: roadside.

Conocybe rickeniana Singer

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Roztocze NP – without precise location (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of fir forest.

Conocybe semiglobata Kühner & Watling

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest, grassy roadside.

Conocybe siliginea (Fr.) Kühner

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1997). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: roadside.

Conocybe tenera (Schaeff.) Fayod

HOST/SUBSTRATE/LOCALITY:

- Soil: Batorz village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.***Coprinellus*** P. Karst.***Coprinellus disseminatus*** (Pers.) J.E. LangeSYNONYMS: *Coprinus disseminatus* (Pers.) Gray

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L. (rotten wood): Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten logs and stumps of deciduous trees: Roztocze NP – without precise location (Sałata 1988); Maziarki wild., Zwierzyniec town (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Coprinellus domesticus*** (Bolton) Vilgalys, Hopple & Jacq. JohnsonSYNONYMS: *Coprinus domesticus* (Bolton.) Gray

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten wood): Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Wólka Batorska village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.***Coprinellus micaceus*** (Bull.) Vilgalys, Hopple & Jacq. JohnsonSYNONYMS: *Coprinus micaceus* (Bull.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Betula* sp.: Stoki wild. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- *Carpinus betulus* L. (rotten stump): Huta village, Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (rotten wood): Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Populus* sp. (rotten wood): Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten stumps of deciduous trees: Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Zdziłowice village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.

Coprinellus truncorum (Scop.) Redhead, Vilgalys & MoncalvoSYNONYMS: *Coprinus truncorum* (Scop.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Alnus* sp. (log): Stoki wild. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Vaccinio uliginosi-Pinetum*.***Coprinellus xanthothrix*** (Romagn.) Vilgalys, Hopple & Jacq. JohnsonSYNONYMS: *Coprinus xanthothrix* Romagn.

HOST/SUBSTRATE/LOCALITY:

- Among plant litter: Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, fir forest.***Coprinopsis*** P. Karst.***Coprinopsis atramentaria*** (Bull.) Redhead, Vilgalys & MoncalvoSYNONYMS: *Coprinus atramentarius* (Bull.) Fr. [as 'atramentosus']

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L. (stump): Obrocz res. (Sałata 1972). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- Soil (close to stumps of deciduous trees): Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Batorz village, Tarnawa Duża village, Wólka Batorska village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*.***Coprinopsis lagopus*** (Fr.) Redhead, Vilgalys & MoncalvoSYNONYMS: *Coprinus lagopus* (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Litter of deciduous trees: Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Coprinopsis picacea*** (Bull.) Redhead, Vilgalys & MoncalvoSYNONYMS: *Coprinus picaceus* (Bull.) Gray

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obrocz res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Coprinus Pers.

Coprinus atramentarius ['atramentosus'] → ***Coprinopsis atramentaria***

Coprinus comatus (O.F. Müll.) Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Skirgiełło 1976; Domański 1999a; Mułenko *et al.* 2015); Olszanka village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, lawn, roadside, among buildings.

Coprinus disseminatus → ***Coprinellus disseminatus***

Coprinus domesticus → ***Coprinellus domesticus***

Coprinus hemerobius → ***Parasola hemerobia***

Coprinus lagopus → ***Coprinopsis lagopus***

Coprinus micaceus → ***Coprinellus micaceus***

Coprinus miser → ***Parasola misera***

Coprinus patouillardii Quél.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Panasówka village (Domański 1997), Tereszpol village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest.

Coprinus picaceus → ***Coprinopsis picacea***

Coprinus plicatilis → ***Parasola plicatilis***

Coprinus silvaticus Peck

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest.

Coprinus truncorum → ***Coprinellus truncorum***

Coprinus xanthothrix → ***Coprinellus xanthothrix***

Coriolellus serialis → *Antrodia serialis*

Coriolellus vaporarius → ***Antrodia sinuosa***

Cortinarius (Pers.) Gray***Cortinarius alboviolaceus*** (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze NP – without precise location (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Cortinarius anomalus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Cortinarius armeniacus (Schaeff.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bondyrz village (Błoński 1896). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest, coniferous forest.

Cortinarius armillatus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze NP – without precise location (Domański 1999a); Nart res. (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: under birch tree.

Cortinarius bicolor Cooke

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Czerkies res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Cortinarius bolaris (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Cortinarius caperatus (Pers.) Fr.SYNONYMS: *Rozites caperatus* (Pers.) P. Karst. [as 'caperata']

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Skirgieńko 1970); Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Maziarki wild., Tarnawa village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, *Tilio-Carpinetum*, beech forest.***Cortinarius cinnabarinus*** Fr.SYNONYMS: *Dermocybe cinnabarina* (Fr.) Wünsche

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses and litter of deciduous trees): Bukowa Góra res., Obroc res. (Sałata 1972); Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Cortinarius cinnamomeoluteus*** P.D. OrtonSYNONYMS: *Dermocybe cinnamomeolutea* (P.D. Orton) M.M. Moser

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*, pine forest.***Cortinarius cinnamomeus*** (L.) Fr.SYNONYMS: *Dermocybe cinnamomea* (L.) Wünsche

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Krasnobród town, Zwierzyniec town (Błoński 1896; Domański 1999a); Bukowa Góra res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Olszanka village, Stoki wild. (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, margin of pine forest with admixture of fir, pine forest with admixture of birch, coniferous forest, deciduous forest, thickets.*Cortinarius collinitus* → ***Cortinarius muscigenus******Cortinarius croceocoeruleus*** (Pers.) Fr. [as 'croceo-coeruleus']

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Obroc res. (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: forests.

Cortinarius croceus (Schaeff.) Gray

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Cortinarius delibutus Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with admixture of spruce.

Cortinarius flexipes (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003, also as *Cortinarius paleaceus* Fr. after Sałata 1972), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Cortinarius huronensis Ammirati & A.H. Sm.

SYNONYMS: *Cortinarius palustris* M.M. Moser

HOST/SUBSTRATE/LOCALITY:

- Soil (among *Sphagnum* sp.; mosses): surroundings of Panasówka village (Domański 1997). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Ledo-Sphagnetum*.

Cortinarius incisus (Pers.) Fr. NOTES: The fungus was incorrectly reported by Sałata (1991) from Krasnobród town after Błoński (1896). However, the last author did not report this species from the Roztocze region.

Cortinarius mucifluus Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Tokary village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.

Cortinarius mucosus (Bull.) J. Kickx f.

HOST/SUBSTRATE/LOCALITY:

- Among mosses: Obroc res. (Sałata 1972); Bukowa Góra res. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Cortinarius muscigenus*** PeckSYNONYMS: *Cortinarius collinitus* (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a); Otrocz village (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest, pine forest with admixture of fir and spruce.

Cortinarius orellanoides → ***Cortinarius rubellus******Cortinarius orellanus*** Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze region – without precise location (Domański 1997); Zwierzyniec town (Domański 1999a); Tarnawa Duża village, Tokary village, Wólka Batorska village (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, pine forest.***Cortinarius orichalceus*** (Batsch) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest.

Cortinarius paleaceus (Weinm.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among *Sphagnum* sp.; mosses): Panasówka village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Ledo-Sphagnetum magellanici*.*Cortinarius paleaceus* → ***Cortinarius flexipes****Cortinarius palustris* → ***Cortinarius huronensis******Cortinarius phoeniceus*** (Bull.) R. Maire

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Panasówka village (Domański 1997); Tereszpol village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

***Cortinarius purpurascens* Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest with admixture of pine.

***Cortinarius rubellus* Cooke**

SYNONYMS: *Cortinarius orellanoides* Rob. Henry, *Cortinarius speciosissimus* Kühner & Romagn.

HOST/SUBSTRATE/LOCALITY:

- Soil (among *Sphagnum* sp.; mosses): Panasówka village and its surroundings (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Ledo-Sphagnetum magellanici*, *Vaccinio-uliginosi-Pinetum*.

***Cortinarius sanguineus* (Wulfen) Fr.**

SYNONYMS: *Dermocybe sanguinea* (Wulfen) Wünsche

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees and among mosses: Bukowa Góra res., Czerkies res. (Sałata 1972); Czartowe Pole res. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

***Cortinarius semisanguineus* (Fr.) Gillet**

SYNONYMS: *Dermocybe semisanguinea* (Fr.) M.M. Moser

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Czerkies res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Bukowa Góra res. (Sałata 1991); Stoki wild. (Sałata 1991; Flisińska 2004); Gródki village, Nart res. (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, *Vaccinio uliginosi-Pinetum*.

***Cortinarius semivestitus* M.M. Moser**

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Nespiak 1981). Cited by Domański (1997, incorrectly after Nespiak 1975), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest, spruce forest.

Cortinarius speciosissimus → ***Cortinarius rubellus***

Cortinarius torvus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obroc res. (Sałata 1972); Tarnawa village, Tokary village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Cortinarius traganus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT HABITAT: coniferous forest.

Cortinarius trivialis J.E. Lange

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a); Gródki village (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, fir forest with admixture of pine and aspen poplar.

Craterellus Pers.

Craterellus cornucopioides (L.) Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Jarugi res., Maziarki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Tarnawa village, Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, fir forest, deciduous forest.

Creolophus cirrhatus → ***Hericium cirrhatum***

Crepidotus (Fr.) Staude

Crepidotus appianatus (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Nart res. (Sałata 1972; Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

***Crepidotus lundellii* Pilát**

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen twigs): Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

***Crepidotus luteolus* Sacc.**

HOST/SUBSTRATE/LOCALITY:

- *Sambucus ebulus* L. (overwintered stems): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: demarcation line in beech forest.

Crepidotus mollis → ***Crepidotus mollis* var. *calolepis***

***Crepidotus mollis* (Schaeff.) Staude var. *calolepis* (Fr.) Pilát**

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L. (rotten logs): Nart res., Obroc res. (Sałata 1972). Cited by Sałata [1991, as *Crepidotus mollis* (Bull. ex Fr.) Kummer], Wojewoda (2003), Flisińska [2004, as *Crepidotus mollis* (Schaeff. ex Fr.) Kummer] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Crepidotus mollis var. *calolepis* → ***Crepidotus mollis* var. *mollis***

Crepidotus mollis* var. *mollis

HOST/SUBSTRATE/LOCALITY:

- Fallen twigs of deciduous trees: Roztocze NP – without precise location (Sałata 1988; *leg. S. Friedrich*). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* [2015a, incorrectly as *Crepidotus mollis* (Schaeff.) Staude var. *calolepis* (Fr.) Pilát].

PLANT COMMUNITY/HABITAT: mixed forest.

Crepidotus pubescens → ***Crepidotus versutus***

Crepidotus variabilis (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Betula* sp. (fallen twigs): Zwierzyniec town (Domański 1999a). Cited by Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (fallen twigs and cupules): Maziarki wild., Olszanka village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- Fallen twigs of deciduous trees (incl. *Fagus sylvatica* L., *Carpinus betulus* L.): Nart res., Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Czerkies res. (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, fir forest with admixture of pine, birch and aspen poplar.***Crepidotus versutus*** (Peck) Sacc.SYNONYMS: *Crepidotus pubescens* Bres.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (twigs burried in plant litter): Czerkies res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Tarnawa Duża village (Flisińska 2004). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Crinipellis Pat.***Crinipellis scabella*** (Alb. & Schwein.) MurrillSYNONYMS: *Crinipellis stipitaria* (Fr.) Pat.

HOST/SUBSTRATE/LOCALITY:

- Plant debris: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest, grassy place.

Crinipellis stipitaria → ***Crinipellis scabella******Cronartium*** Fr.*Cronartium asclepiadeum* → ***Cronartium flaccidum******Cronartium flaccidum*** (Alb. & Schwein.) G. WinterSYNONYMS: *Cronartium asclepiadeum* (Willd.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L.: Wywłoczka village near Szczebrzeszyn town (Sałata & Romaszewska-Sałata 1968). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: young pine forest.

Cronartium ribicola J.C. Fisch.

HOST/SUBSTRATE/LOCALITY:

- ***Ribes nigrum*** L.: Kosobudy village, Obroc village, Tomaszów Lubelski town (Sałata 1991); Bełżec village (LBL M-21511, 16 Aug. 1991, *leg. G. Grandá*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Ribes rubrum*** L.: Tomaszów Lubelski town (Sałata 1991).
- ***Ribes spicatum*** Robson: Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside in fir forest, forest communities, thickets (in oxbow lake of the Wieprz river and other places), garden.

Crucibulum Tul. & C. Tul.***Crucibulum laeve*** (Huds.) KamblySYNONYMS: *Crucibulum vulgare* Tul. & C. Tul.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen twigs): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Crucibulum vulgare* → ***Crucibulum laeve******Cumminsiiella******Cumminsiiella mirabilissima*** (Peck) Nannf.

HOST/SUBSTRATE/LOCALITY:

- ***Mahonia aquifolium*** (Pursh) Nutt.: Tomaszów Lubelski town (Sałata 1991).

PLANT COMMUNITY/HABITAT: flowerbed.

Cuphophyllus (Donk) Bon***Cuphophyllus virgineus*** (Wulfen) KovalenkoSYNONYMS: *Camarophyllus niveus* (Scop.) Wünsche

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margins of pine and fir forests.

Cyanoboletus Gelardi, Vizzini & Simonini**Cyanoboletus pulverulentus** (Opat.) Gelardi, Vizzini & SimoniniSYNONYMS: *Boletus pulverulentus* Opat.

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res. (Sałata 1969a); Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir-beech forest.**Cyathus** Haller**Cyathus olla** (Batsch) Pers.

HOST/SUBSTRATE/LOCALITY:

- Plant debris: Huta Różaniecka village near Narol town, Krasnobród town (Skirgień 1984); Zwierzyniec town (Skirgień 1984; Domański 1999a). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest, sandy fallow.

Cyathus striatus (Huds.) Willd.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen branches): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Picea abies* (L.) H. Karst. (fallen twigs): Maziarki wild. (Sałata 1991; Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- Fallen leaves, needles, twigs, plant litter, rotten trunks: Zwierzyniec town (Błoński 1896; Chelchowski 1898); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Czerkies res., Olszanka village, Otroc village, Tarnawa village, Tokary village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, thickets, gardens.**Cyphella** Fr.**Cyphella digitalis** (Alb. & Schwein.) Fr.SYNONYMS: *Aleurodiscus digitalis* (Alb. & Schwein.) Donk

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (dead bark, branches and trunks): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Czartowe Pole res. (Sałata & Ostas 1975; Flisińska & Sałata 1991); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Cystoderma Fayod***Cystoderma amianthinum*** (Scop.) Fayod

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Jarugi res., Olszanka village, Stoki wild. (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*.***Cystoderma carcharias*** (Pers.) Fayod

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Skirgiełło (1984), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Soil (among grass): Roztocze Środkowe region – without precise location (Sałata 1969a); Maziarki wild., Szum res. near Górecko village (Skirgiełło 1984; Sałata 1991); Zwierzyniec town (Skirgiełło 1984). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*.*Cystoderma cinnabarinum* → ***Cystodermella cinnabarina****Cystoderma granulorum* → ***Cystodermella granulosa******Cystoderma superbum*** Huijsman

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest, pine forest with large admixture of fir.

Cystoderma terryi [‘terrei’] → ***Cystodermella cinnabarina******Cystodermella*** Harmaja***Cystodermella cinnabarina*** (Alb. & Schwein.) HarmajaSYNONYMS: *Cystoderma cinnabarinum* (Alb. & Schwein.) Fayod, *Cystoderma terryi* (Berk. & Broome) Harmaja [as ‘terrei’]

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze region – without precise location (Domański 1997). Cited by Sałata (1991), Wojewoda (2003, as *Cystodermella cinnabarinum*), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, pine forest.

Cystodermella granulosa (Batsch) HarmajaSYNONYMS: *Cystoderma granulorum* (Batsch) Fayod

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Obroc res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Cystolepiota*** Singer***Cystolepiota seminuda*** (Lasch) BonSYNONYMS: *Cystolepiota sistrata* (Fr.) Singer ex Bon & Bellù, *Lepiota seminuda* (Lasch) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Cystolepiota sistrata* → ***Cystolepiota seminuda******Cystostereum*** Pouzar***Cystostereum murrayi*** (Berk. & M.A. Curtis) Pouzar

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (logs): Roztocze Środkowe region – without precise location (Sałata 1990); Bukowa Góra res., Czerkies res., Florianka wild., Obroc res. (Sałata 1991); Zwierzyniec town (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- Stumps of coniferous trees: Roztocze NP – without precise location (Wojewoda 2003). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir forest.

Dacrymyces Nees [*Dacryomyces*]*Dacrymyces abietinus* → ***Dacrymyces stillatus******Dacrymyces chrysospermus*** Berk. & M.A. CurtisSYNONYMS: *Dacrymyces palmatus* Bres.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten logs): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.*Dacrymyces deliquescens* → ***Dacrymyces stillatus***

Dacrymyces lacrymalis (Pers.) Sommerf.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten branches and logs): Bukowa Góra res., Czerkies res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Dacrymyces minor*** Peck

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (rotten branches and logs): Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Dacrymyces palmatus*** → ***Dacrymyces chrysospermus******Dacrymyces stillatus*** NeesSYNONYMS: *Dacrymyces abietinus* (Pers.) Nees, *Dacrymyces deliquescentes* (Bull.) Duby ss. auct.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen twigs): Bukowa Góra res., Czerkies res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Pinus sylvestris*** L. (rotten wood): Krasnobród town (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten wood of coniferous trees (branches, logs, stumps): Zwierzyniec town (Błoński 1896; Chełchowski 1898); Stoki wild. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004 as *Dacrymyces variisporus* McNabb) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Dacrymyces variisporus*** → ***Dacrymyces stillatus******Daedalea*** Pers.***Daedalea confragosa*** → ***Daedaleopsis confragosa******Daedalea quercina*** (L.) Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Quercus*** sp. (trunks, stumps): Zwierzyniec town (Błoński 1896; Chełchowski 1898; Domański 1999a); Forests of the Zamoyski family estate – Frampol town, Józefów town, Tomaszów Lubelski town and Szczebrzeszyn town (Gordziałowski 1899; Flisińska 2004); Jarugi res., Nart res. (Sałata 1991); Maziarki wild., Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was

reported more precisely, as Frampol, Józefów, Tomaszów Lubelski and Szczepieszyn towns in the paper by Flisińska (2004).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.

Daedaleopsis J. Schröt.

Daedaleopsis confragosa (Bolton) J. Schröt.

SYNONYMS: *Daedalea confragosa* (Bolton) Pers.

HOST/SUBSTRATE/LOCALITY:

- *Corylus avellana* L. (stump): Olszanka village (Flisińska 2004).
- *Salix* sp. (fallen branches): Nart res., Czerkies res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Dead branches of deciduous trees: Czartowe Pole res., Florianka wild., Jarugi res., Szum res. near Górecko village (Sałata 1991).
- Old fruit body lying in plant litter: Czartowe Pole res. (Flisińska & Sałata 1991). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.

Delicatula Fayod

Delicatula integrella (Pers.) Fayod

HOST/SUBSTRATE/LOCALITY:

- Rotten stumps: Tereszpol village, Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: various types of forests.

Dendropolyporus umbellatus → ***Polyporus umbellatus***

Dermocybe cinnabarina → ***Cortinarius cinnabarinus***

Dermocybe cinnamomea → ***Cortinarius cinnamomeus***

Dermocybe cinnamomeolutea → ***Cortinarius cinnamomeoluteus***

Dermocybe sanguinea → ***Cortinarius sanguineus***

Dermocybe semisanguinea → ***Cortinarius semisanguineus***

Dichostereum Pilát

Dichostereum granulosum (Pers.) Boidin & Lanq.

SYNONYMS: *Grandinia granulosa* (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (log): Czerkies res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Ditiola* Fr.**Ditiola peziziformis* (Lév.) D.A. Reid**SYNONYMS: *Femsjonnia peziziformis* (Lév.) P. Karst. [as 'pezizaeformis']

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (dead branches): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Entocybe* T.J. Baroni, V. Hofst. & Largent*****Entocybe nitida* (Quél.) T.J. Baroni, Largent & V. Hofst.**SYNONYMS: *Entoloma nitidum* Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Zwierzyniec town (Domański 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir forest, pine forest with large admixture of fir.

Entoloma* (Fr. ex Rabenh.) P. Kumm.**Entoloma aprile* (Britzelm.) Sacc.**SYNONYMS: *Rhodophyllus aprilis* (Britzelm.) Romagn.

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res. (Sałata 1972). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Entoloma asprellum* (Fr.) Fayod**

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: old pine forest.

***Entoloma byssisedum* (Pers.) Donk**SYNONYMS: *Rhodophyllus byssisedus* (Pers.) Quél.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (on mossy stump): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Among mosses (on stone): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Entoloma cetratum (Fr.) M.M. MoserSYNONYMS: *Rhodophyllus cetratus* (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.*Entoloma chalybaeum* → ***Entoloma cyanulum******Entoloma clypeatum*** (L.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Nart res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Entoloma conferendum (Britzelm.) Noordel.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town and its surroundings (Domański 1999a); Batorz village, Stoki wild. (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: various types of forests.

Entoloma cyanulum (Lasch) Noordel.SYNONYMS: *Rhodophyllus cyanulus* (Lasch) J.E. Lange

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.NOTES: In the checklist by Wojewoda (2003) the record given by Sałata (1972) was listed twice – as *Entoloma cyanulum* (Lasch) Noordel. and *Entoloma chalybaeum* (Pers.) Noordel.***Entoloma elodes*** (Fr.) P. Kumm. [as 'helodes']

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Panasówka village (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: drainage ditch at margin of *Ledo-Sphagnetum*.***Entoloma euchroum*** (Pers.) DonkSYNONYMS: *Rhodophyllus euchrous* (Pers.) Quél.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stump): Bukowa Góra res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Entoloma 'helodes' → ***Entoloma elodes***

Entoloma hirtipes (Schumach.) M.M. Moser

SYNONYMS: *Rhodophyllus hirtipes* (Schumach.) J.E. Lange

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Entoloma infula (Fr.) Noordel.

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Panasówka village (Domański 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with admixture of spruce.

Entoloma mammosum (L.) Hesler

SYNONYMS: *Rhodophyllus mammosus* (L.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obrocz res. (Sałata 1972); Batorz village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*.

Entoloma nitidum → ***Entocybe nitida***

Entoloma omphaliformia → ***Entoloma percandidum***

Entoloma percandidum Noordel.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Zwierzyniec town (Domański 1997, as *Entoloma omphaliformia* Romagn.). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Entoloma placidum (Fr.) Noordel.

SYNONYMS: *Rhodophyllus placidus* (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen twigs): Bukowa Góra res., Nart res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Entoloma rhodopolium (Fr.) P. Kumm.SYNONYMS: *Rhodophyllus rhodopolius* (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Maziarki wild. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Entoloma vernum*** S. LundellSYNONYMS: *Rhodophyllus vernus* (S. Lundell) Romagn.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, fir forest.***Entyloma*** de Bary***Entyloma chrysosplenii*** J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Chrysosplenium alternifolium*** L.: Jarugi res., Maziarki wild. (Romaszewska-Sałata 1981, without host plant name; Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Potentillo albae-Quercetum*, beech forest, deciduous forests.***Entyloma corydalis*** de Bary

HOST/SUBSTRATE/LOCALITY:

- ***Corydalis solida*** (L.) Clairv.: Czerkies res., Obroc res., Otrocz village (Sałata & Romaszewska-Sałata 1969); Nart res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest, ravine in the forest.

Entyloma fergussonii (Berk. & Broome) Plowr.

HOST/SUBSTRATE/LOCALITY:

- ***Myosotis scorpioides*** L.: Florianka wild. (Sałata 1991).

PLANT COMMUNITY/HABITAT: alder forest.

Entyloma ficariae A.A. Fisch. Waldh.

HOST/SUBSTRATE/LOCALITY:

- ***Ficaria verna*** Huds.: Guciów village (Sałata 1991); Szastarka village (LBL M-21463, 25 May 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: thickets (on the meadow and in other places).

Entyloma microsporum (Unger) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Ranunculus repens*** L.: Jarugi res. (Romaszewska-Sałata 1981, without host plant name; Sałata 1991); Bukowa Góra res., Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: roadside in *Tilio-Carpinetum*.***Entyloma picridis*** Rostr.

HOST/SUBSTRATE/LOCALITY:

- ***Hieracium murorum*** (L.) Huds.: Roztocze Środkowe region – without precise location (Sałata 1991); Maziarki wild. (LBL M-23834 and LBL M-23835, 18 July 1980, *leg. J. Romaszewska-Sałata*; LBL M-23832, 5 July 1974, *leg. A. Jasińska*); Stoki wild. (LBL M-23833, 5 July 1974, *leg. A. Jasińska*).

PLANT COMMUNITY/HABITAT: fir forest, pine forests, mixed forests, roadsides.

Entyloma ranunculi-repentis Sternon

HOST/SUBSTRATE/LOCALITY:

- ***Ranunculus repens*** L.: Jarugi res., Maziarki wild., Zwierzyniec Forest Range (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside in fir forest, forest glade, roadsides.

Exidia Fr.*Exidia albida* → ***Exidia thuretiana******Exidia glandulosa*** (Bull.) Fr.SYNONYMS: *Exidia truncata* Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (rotten stump): Jarugi res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- ***Fagus sylvatica*** L. (fallen branches and logs): Stoki wild. (Wojewoda 1979); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.NOTES: The fungus was also listed in the paper of Błoński (1896) and Sałata (1972); however, Wojewoda (1979) ascribed these records to *Exidia plana*.*Exidia glandulosa* → ***Exidia plana***

Exidia pithya (Alb. & Schwein.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen twigs): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (1977, 1979, 2003), Flisińska (2004) and Kozłowska *et al.* (2015a, as *Auricularia auricula-judae*).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Exidia plana*** (Wigg. ex Schlech.) Donk

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen twigs): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: In all publications the fungus was listed as *Exidia glandulosa* (Bull.) Fr.
- Fallen twigs and logs of deciduous trees: Krasnobród town, Zwierzyniec town (Błoński 1896, as *Exidia glandulosa*); Nad Tanwią res. (Wojewoda 1979). Cited by Sałata (1991, as *Exidia glandulosa* Fr.), Flisińska (2004, as *Exidia glandulosa* Fr.) and Kozłowska *et al.* [2015a, as *Exidia glandulosa* (Bull.) Fr. and *Exidia plana* (Wigg. ex Schlech.) Donk].

PLANT COMMUNITY/HABITAT: beech forest, beech-fir forest.

Exidia saccharina Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (logs): Bukowa Góra res. (Sałata 1972). Cited by Wojewoda (1977, 1979, 2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Dead branches and logs of coniferous trees: surroundings of Susiec village (Wojewoda 1979); Florianka wild., near Nart res. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Exidia thuretiana*** (Lév.) Fr.SYNONYMS: *Exidia albida* Huds.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen twigs): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Wojewoda (1977, 1979, 2003), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Exidia truncata* → ***Exidia glandulosa****Exidiopsis grisea* → ***Sebacina grisea***

Exobasidium Woronin***Exobasidium arescens*** Nannf.

HOST/SUBSTRATE/LOCALITY:

- ***Vaccinium myrtillus*** L.: Zwierzyniec town – near Stawy Echo ponds (LBL M 23841, 20 May 2016, leg. M. Kozłowska); Bukowa Góra res. (LBL M 23842, 9 June 2016, leg. M. Kozłowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: pine forest.

Exobasidium vaccinii (Fuckel) Woronin

HOST/SUBSTRATE/LOCALITY:

- ***Vaccinium vitis-idaea*** L.: Bukowa Góra res. (Mułenko *et al.* 2013, without precise location from Roztocze NP); Obroc res. (LBL M-21460, 3 Aug. 1984, leg. J. Balicka); Nad Tanwią res. (LBL M-21459, 7 July 1981, leg. L. Czyżewska). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: pine forests (incl. forests margins).

Femsjonia peziziformis ['pezizaeformis'] → ***Ditiola peziziformis******Fistulina*** Bull.***Fistulina hepatica*** (Schaeff.) With.

HOST/SUBSTRATE/LOCALITY:

- ***Quercus robur*** L. (stumps, trunks): Górecko Kościelne village (Kujawa & Gierczyk 2013); Jarugi res. (Mułenko *et al.* 2013; LBL M-23758, 21 June 2012, leg. M. Kozłowska); Jarugi Protected District – sect. 9 (2016, pers. obs. P. Stachyra). Cited by Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Flammulaster*** Earle***Flammulaster muricatus*** (Fr.) Watling [as '*muricata*']SYNONYMS: *Phaeomarasmium muricatus* (Fr.) Singer

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (dead branches): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Flammulina P. Karst.***Flammulina fennae*** Bas

HOST/SUBSTRATE/LOCALITY:

- Decayed wood (in plant litter): Roztocze region – without precise location (Wojewoda 2003). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Flammulina velutipes (Curtis) Singer

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten stumps): Bukowa Góra res., Nart res. (Sałata 1972); Tokary village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Fomes*** (Fr.) Fr.***Fomes fomentarius*** (L.) Fr.SYNONYMS: *Ochroporus fomentarius* (L.) J. Schröt., *Polyporus fomentarius* (L.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Acer pseudoplatanus*** L.: Czerkies res., Obroc res. (Skirgień 1976). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Betula pendula*** Roth [= *Betula verrucosa* Ehrh]: Zwierzyniec town (Skirgień 1976). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Betula*** sp.: Zwierzyniec town (Skirgień 1976). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Fagus sylvatica*** L.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Chmiel *et al.* 1994); Huta village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as 'Forests of the Zamoyski family estate' was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).
- ***Quercus*** sp.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004). Cited by Sałata (1991) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as 'Forests of the Zamoyski family estate' was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).
- ***Tilia cordata*** L.: Roztocze NP – without precise location (Muńenko *et al.* 2013). Cited by Kozłowska *et al.* (2015a).
- Trunks and logs of deciduous trees: Bondyrz village, Krasnobród town, Zwierzyniec town (Błoński 1896; Chełchowski 1898); Bukowa Góra res. (Skirgień 1976; Muńenko *et al.* 2015); Czerkies res. (Wrońska 1979); Roztocze NP – without precise location (Sałata 1988); Jarugi res. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata

1997). Cited by Skirgieńło (1976), Sałata (1991), Flisińska (2004), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest.

NOTES: The fungus was also reported by Flisińska (2004) from Zwierzyniec town after Sałata (1969a). However the last author did not report this species.

Fomes fomentarius → ***Fomitopsis pinicola***

Fomitopsis P. Karst.

Fomitopsis betulina (Bull.) B.K. Cui, M.L. Han & Y.C. Dai

SYNONYMS: *Piptoporus betulinus* (Bull.) P. Karst., *Polyporus betulinus* (Bull.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Betula*** sp. (branches, logs and trunks): Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004); Zwierzyniec town (Skirgieńło 1976); Roztocze NP – without precise location (Sałata 1988; Domański 1999a); Bukowa Góra res., Florianka wild., near Nart res. (Sałata 1991); Huta village (Flisińska 2004). Cited by (Sałata 1991), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, fir forest, pine forest, mixed forest.

Fomitopsis pinicola (Sw.) P. Karst.

SYNONYMS: *Polyporus marginatus* (Pers.) Fr., *Polyporus pinicola* (Sw.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten wood): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Jarugi res. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Picea abies*** (L.) H. Karst. (trunk): Bukowa Góra res. (Mułenko *et al.* 2013). Cited by Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).
- ***Pinus sylvestris*** L. (trunk): Roztocze region – without precise location (Czarnecka & Janiec 2002, incorrectly as *Fomes fomentarius*).
- Trunks of coniferous and deciduous trees: Krasnobród town, Zwierzyniec town (Błoński 1896; Chełchowski 1898); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Frommea obtusa → ***Frommeëlla tormentillae***

Frommeëlla Cummins & Y. Hirats.

Frommeëlla tormentillae (Fuckel) Cummins & Y. Hirats.

SYNONYMS: *Frommea obtusa* (F. Strauss) Arthur

HOST/SUBSTRATE/LOCALITY:

– *Potentilla erecta* (L.) Raeusch.: Zwierzyniec town (LBL M-17026, 22 Oct. 1967, leg. W. Kubiak).

PLANT COMMUNITY/HABITAT: thickets.

Galerina Earle

Galerina gibbosa J. Favre

HOST/SUBSTRATE/LOCALITY:

– Among mosses: Obroc res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest.

Galerina hypnorum (Schrank) Kühner

HOST/SUBSTRATE/LOCALITY:

– Soil (among mosses): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Kruglik wild. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, pine forest.

Galerina marginata (Batsch) Kühner

SYNONYMS: *Galerina unicolor* (Vahl) Singer

HOST/SUBSTRATE/LOCALITY:

– *Abies alba* Mill. (rotten logs): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Galerina paludosa (Fr.) Kühner

HOST/SUBSTRATE/LOCALITY:

– Among *Sphagnum* sp. (mosses): Bukowa Góra res., Czerkies res. (Sałata 1972; Skirgiełło 1984); Zwierzyniec town (Skirgiełło 1984); Panasówka village (Domański 1999a). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Ledo-Sphagnetum magellanici*, *Vaccinio uliginosi-Pinetum*.

Galerina pumila (Pers.) M. Lange

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Bukowa Góra res., Czerkies res. (Sałata 1972); Zwierzyniec town (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, pine forest.

Galerina sphagnum (Pers.) Kühner

HOST/SUBSTRATE/LOCALITY:

- Among *Sphagnum* sp. (mosses): Bukowa Góra res., Czerkies res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Galerina triscopa (Fr.) Kühner

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten logs and stumps): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Galerina unicolor → ***Galerina marginata***

Galerina vittiformis (Fr.) Singer [as ‘*vittaeformis*’]

HOST/SUBSTRATE/LOCALITY:

- Among mosses: Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Ganoderma P. Karst.

Ganoderma applanatum (Pers.) Pat.

SYNONYMS: *Ganoderma lipsiense* (Batsch) G.F. Atk., *Phaeoporus applanatus* (Pers.) J. Schröt., *Polyporus applanatus* (Pers.) Wallr.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten wood): Bukowa Góra res. (Skirgiełło 1970; Sałata 1972); Nart res., Obroc res. (Sałata 1972). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Carpinus betulus* L. (stump): Jarugi res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (rotten wood): Bukowa Góra res. (Sałata 1972); Nart res., Obroc res. (Sałata 1972); Otrocz village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Populus* sp. (rotten wood): Bukowa Góra res. (Sałata 1972); Nart res., Obroc res. (Sałata 1972). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Quercus* sp.: Tarnawa Duża village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

- Stumps and trunks of deciduous trees: Krasnobród town, Zwierzyniec town (Błoński 1896; Chełchowski 1898). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- Logs and stumps of trees: Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res. (Skirgieńko 1970); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.

***Ganoderma carnosum* Pat.**

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten wood): Rybnica village near Susiec village [Sałata 1967, as *Ganoderma lucidum* (Leyss. ex Fr.) P. Karst.]; Obroc res. [Sałata 1967, as *Ganoderma lucidum* (Leyss. ex Fr.) P. Karst.; Sałata 1972, as *Ganoderma lucidum* (W. Curt. ex Fr.) P. Karst.], Bukowa Góra res., Czerkies res. [Sałata 1972, as *Ganoderma lucidum* (W. Curt. ex Fr.) P. Karst.]; Roztocze Środkowe region – without precise location (Sałata 1990); Obroc Protected District – sect. 247 (2016, *pers. obs.* B. Radliński). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: In the paper by Flisińska (2004) the two localities (Bukowa Góra res. and Czerkies res.) were incorrectly cited after Sałata (1967) instead of Sałata (1972).
- Old tree trunks: Bukowa Góra res. [Wojewoda 1964, as *Ganoderma lucidum* (Leyss. ex Fr.) P. Karst.]; Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1967), Wojewoda (2003), Flisińska [2004, as *Ganoderma lucidum* (Curtis) P. Karst.] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest, fir forest with admixture of beech.

Ganoderma lipsiense → ***Ganoderma applanatum***

Ganoderma lucidum (Curtis) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (wood): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Quercus*** sp. (wood): Roztocze region – without precise location (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).
- Tree trunk: Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Ganoderma lucidum (on *Abies alba*) → ***Ganoderma carnosum***

Geastrum* Pers.Geastrum badium* → ***Geastrum elegans******Geastrum coronatum* Pers.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze region – without precise location (Rudnicka-Jeziarska 1991); Zwierzyniec town (Flisińska & Sałata 1991; Sałata 1991); surroundings of Zwierzyniec town (Domański 1997). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest, deciduous forest, forests margins, parks, gardens.

Geastrum coronatum → ***Geastrum quadrifidum******Geastrum elegans* Vittad.**SYNONYMS: *Geastrum badium* Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1997, 1999a). Cited by Wojewoda (2003), Kujawa *et al.* (2012b) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of young pine forest.

***Geastrum fimbriatum* Fr.**SYNONYMS: *Geastrum sessile* (Sowerby) Pouzar

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obroc res. (Sałata 1972); Narol town (Flisińska & Sałata 1991); Jarugi res., Maziarki wild. (Flisińska & Sałata 1991; Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Soil (among grass): Lasowe ('Lasowce') near Stara Huta village (Wojewoda 2000a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Potentillo albae-Quercetum*, *Tilio-Carpinetum*, pine forest, coniferous forest with admixture of fir and spruce.

Geastrum hygrometricum ['*Geaster hygrometricus*'] → ***Astraeus hygrometricus***

Geastrum pectinatum Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil (litter of coniferous trees): Rybnica village near Susiec village, Zwierzyniec town (Flisińska & Sałata 1991; Sałata 1991); surroundings of Zwierzyniec town (Domański 1997); Roztocze NP – without precise location (Domański 1999a); Bukowa Góra Protected District – sect. 349 (2009, *pers. obs. J. Mazur*). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, pine forest with large admixture of fir.

Geastrum quadrifidum DC. ex Pers.SYNONYMS: *Geastrum coronatum* (Schaeff.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Bukowa Góra res., Obroc res. (Sałata 1972); surroundings of Zwierzyniec town (Domański 1997). Cited by Sałata (1991), Domański (1997) Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a, also incorrectly after Sałata 1990).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Quercus-Pinetum*.

Geastrum rufescens Pers.SYNONYMS: *Geastrum vulgatum* Vittad.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obroc res. (Flisińska & Sałata 1991; Sałata 1991); Zwierzyniec town (Flisińska & Sałata 1991; Sałata 1991; Domański 1999a); surroundings of Zwierzyniec town (Domański 1997). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, beech forest, pine forest, pine forest with admixture of fir.

Geastrum schmidelii Vittad.

HOST/SUBSTRATE/LOCALITY:

- Soil: Lasowe ('Lasowce') near Stara Huta village (Wojewoda 2000a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest.

Geastrum sessile → ***Geastrum fimbriatum***

Geastrum stellatum ['*Geaster stellatus*'] → ***Astraeus hygrometricus***

Geastrum striatum DC.

HOST/SUBSTRATE/LOCALITY:

- Soil: Lasowe ('Lasowce') near Stara Huta village (3 localities) (Wojewoda 2000a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest (under hazel bush), forest with pine, garden.

Geastrum triplex Jungh.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Czerkies res. (Sałata 1972; Skirgień 1984); Roztocze Środkowe region – without precise location (Sałata 1990); Nart res. (Sałata 1991); Zwierzyniec town (Rudnicka-Jeziarska 1991; Kujawa & Gierczyk 2010); Roztocze NP – without precise location (Chmiel *et al.* 1994); Lasowe ('Lasowce') near Stara Huta village (2 localities) (Wojewoda 2000a); Bukowa Góra Protected District – sect. 182g (Białobrzaska 2013), sect. 192b, 344c, 346a, 347a and 349a (2006, *pers. obs. J. Mazur*); Kruglik Protected District – sect. 276h (2008, *pers. obs. Z. Jawor*), sect. 247b (2011, *pers. obs. T. Kowalczyk*). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004), Kujawa *et al.* (2012a) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: alder forest, fir forest, fir forest with admixture of beech, pine-fir forest, pine forest, forest margin (under horse chestnut tree), deciduous forest.

Geastrum vulgatum → *Geastrum rufescens*

Geastrum sp.

HOST/SUBSTRATE/LOCALITY:

- Soil: Słupy Protected District – sect. 166f (Mułenko *et al.* 2013; 2007, *pers. obs. P. Stachyra*).

PLANT COMMUNITY/HABITAT: mixed coniferous forest.

Gerronema Singer

Gerronema fibula → *Rickenella fibula*

Gerronema setipes → *Omphalina setipes*

Gerronema strobodes (Berk. & Mont.) Singer

SYNONYMS: *Chrysomphalina strobodes* (Berk. & Mont.) Cléménçon

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten stumps): Bukowa Góra res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Maziarki wild. (Sałata 1991; Flisińska 2004); Kosobody village, Kruglik Forest Range (Flisińska 2004). Cited by (Sałata 1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Gliophorus Herink***Gliophorus psittacinus*** (Schaeff.) Herink

SYNONYMS: *Hygrocybe psittacina* (Schaeff.) P. Kumm., *Hygrophorus psittacinus* (Schaeff.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Tomaszów Lubelski town (Błoński 1896); Zwierzyniec town (Skirgień 1984; Domański 1999a). Cited by Chełchowski (1898), Skirgień (1984), Sałata (1991, also

incorrectly from Krasnobród town after Błoński 1896), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest, park.

Gloeophyllum P. Karst.

Gloeophyllum odoratum (Wulfen) Imazeki

SYNONYMS: *Ochroporus odoratus* (Wulfen) J. Schröt., *Trametes odorata* (Wulfen) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (old trunks, stumps): Zwierzyniec town (Błoński 1896; Chełchowski 1898); Czartowe Pole res., Jarugi res., Obroc res., Szum res. near Górecko village (Sałata 1991); Kruglik Forest Range (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Picea abies*** (L.) H. Karst. (old trunks): Zwierzyniec town (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest, mixed forest.

Gloeophyllum sepiarium (Wulfen) P. Karst.

SYNONYMS: *Lenzites sepiaria* (Wulfen) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen twigs): Bukowa Góra res., Obroc res. (Sałata 1972); Stoki wild. (Sałata 1991); Batorz village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Picea abies*** (L.) H. Karst. (log): Bukowa Góra res. (Mułenko *et al.* 2015).
- ***Pinus sylvestris*** L. (wood): Zwierzyniec town (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Gomphidius Fr.

Gomphidius glutinosus (Schaeff.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Florianka wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with admixture of spruce.

Gomphidius roseus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Skirgiełło 1984; Domański 1999a); Panasówka village, Tereszpol village (Domański 1999a). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Gomphidius rutilus → ***Chroogomphus rutilus***

Gomphus Pers.

Gomphus clavatus (Pers.) Gray

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Skirgieńo 1967); Bukowa Góra res. (Domański 1999a). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: Wojewoda (2003) cited the locality in Zwierzyniec only with the publication date (1965), but without the author's name; this is probably a misprint and the citation refers to a study by Skirgieńo (1967).

PLANT COMMUNITY/HABITAT: fir forest, mixed forest.

Grandinia arguta → ***Hyphodontia arguta***

Grandinia granulosa → ***Dichostereum granulosum***

Grifola Gray

Grifola frondosa (Dicks.) Gray

HOST/SUBSTRATE/LOCALITY:

- Roots of deciduous trees: Roztocze Środkowe region – without precise location (Sałata 1990); Bukowa Góra Protected District – sect. 208 (2005, *pers. obs. M. Tchórzewski*); Jarugi Protected District – sect. 23 (2007, *pers. obs. B. Radliński*). Cited by Białobrzeska (2013), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Gymnopilus P. Karst.

Gymnopilus hybridus (Fr. ex Fr.) Sing.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen branches, logs and stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Jarugi res. (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Pinus sylvestris*** L. (stump): Gródki village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest.

Gymnopilus sapineus (Fr.) Maire

HOST/SUBSTRATE/LOCALITY:

- Wood of coniferous trees: Zwierzyniec town and its surroundings (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* [2015a, as *Gymnopilus sapineus* (Fr.) Murril].

PLANT COMMUNITY/HABITAT: close to stumps in pine forest.

Gymnopus (Pers.) Gray***Gymnopus androsaceus*** (L.) J.L. Mata & R.H. PetersenSYNONYMS: *Marasmius androsaceus* (L.) Fr., *Setulipes androsaceus* (L.) Antonín

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen needles): Bukowa Góra res., Czerkies res. (Sałata 1972); Obroc res. (Sałata 1972; Antonín & Noordeloos 1993). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Pinus sylvestris*** L. (fallen needles and rotten cones): Krasnobród town, Zwierzyniec town (Błoński 1896; Chelchowski 1898); Bukowa Góra res., Czerkies res. (Sałata 1972); Obroc res. (Sałata 1972; Antonín & Noordeloos 1993); Roztocze NP – without precise location (Sałata 1988); Prof. Zygmunt Czubiński Reserve, Stoki wild., Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Gymnopus confluens*** (Pers.) Antonín, Halling & Noordel.SYNONYMS: *Collybia confluens* (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Jarugi res. (Sałata 1991; Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.***Gymnopus dryophilus*** (Bull.) MurrillSYNONYMS: *Collybia dryophila* (Bull.) P. Kumm., *Marasmius lupuletorum* (Weinm.) Bres.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); near Nart res. (Sałata 1991); Maziarki wild. (Sałata 1991; Flisińska 2004); Tarnawa village, Wólka Batorska village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003, as *Marasmius torquescens* Quél.), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*.

Gymnopus fuscopurpureus (Pers.) Antonín, Halling & Noordel.SYNONYMS: *Collybia fuscopurpurea* (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Gymnopus perforans*** (Hoffm.) Antonín & Noordel.SYNONYMS: *Marasmiellus perforans* (Hoffm.) Antonín, Halling & Noordel., *Marasmius perforans* (Hoffm.) Fr., *Micromphale perforans* (Hoffm.) Gray

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. and *Picea abies* (L.) H. Karst. (fallen needles): Krasnobród town, Zwierzyniec town (Błoński 1896; Chełchowski 1898); Bukowa Góra res., Nart res. (Sałata 1972); Obroc res. (Sałata 1972; Antonín & Noordeloos 1997). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Gymnopus peronatus*** (Bolton) GraySYNONYMS: *Collybia peronata* (Bolton) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous and deciduous trees): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Olszanka village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.***Gymnosporangium*** R. Hedw. ex DC.***Gymnosporangium clavariiforme*** (Wulfen) DC.

HOST/SUBSTRATE/LOCALITY:

- *Crataegus monogyna* Jacq.: Lubycza Królewska town (LBL M-21512, 4 Aug. 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: forest glade.

Gymnosporangium cornutum Arthur ex F. KernSYNONYMS: *Gymnosporangium juniperinum* (L.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Sorbus aucuparia* L. emend. Hedl.: Ciotusza village near Nowiny village (Sałata & Romaszewska-Sałata 1968); Czartowe Pole res., Hamernia village (Romaszewska-Sałata 1974); Brody village near Szczepieszyn town (Romaszewska-Sałata 1977); Czerkies res., Guciów

village (2 localities), Maziarki wild., near Stawy Echo ponds, Tomaszów Lubelski town, Zwierzyniec town (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994; Mułenko *et al.* 2013); Belżec village (LBL M-21514, 16 Aug. 1991, *leg.* G. Granda); Nart-Czerkies res. (LBL M-17107, 6 July 1976, *leg.* B. Sałata; LBL M-17047, 12 July 1977, *leg.* B. Sałata); Szastarka village (LBL M-21516, 8 July 1991, *leg.* G. Granda); Zarzecze village near Kosobudy village (LBL M-17083, 5 July 1965, *leg.* B. Sałata.). Cited by Sałata (1991).

PLANT COMMUNITY/HABITAT: various types of forests (incl. pine forest), forest margin, thickets, roadsides.

Gymnosporangium juniperinum → *Gymnosporangium cornutum*

Gyroporus Quél.

Gyroporus castaneus (Bull.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Nart res. (Sałata 1972); Czerkies res., Obroc res., Zwierzyniec town (Skirgiełło 1972); Roztocze NP – without precise location (Chmiel *et al.* 1994); Stoki wild., Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, pine forest.

Gyroporus cyanescens (Bull.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Nart res., Obroc res. (Sałata 1972); Szum res. near Górecko village (Sałata 1991); Czerkies res. (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Hapalopilus P. Karst.

Hapalopilus nidulans (Fr.) P. Karst.

SYNONYMS: *Hapalopilus rutilans* (Pers.)

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (dead branches): Jarugi res. (Sałata 1991).
- Wood of deciduous tree: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest.

Hapalopilus rutilans → *Hapalopilus nidulans*

Hebeloma (Fr.) P. Kumm.***Hebeloma crustuliniforme*** (Bull.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Czerkies res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Zwierzyniec town and its surroundings (Domański 1999a). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: various types of forests (incl. beech forest).

Hebeloma radicosum (Bull.) Ricken

HOST/SUBSTRATE/LOCALITY:

- Wood of deciduous trees: Bukowa Góra res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Helicobasidium Pat.***Helicobasidium purpureum*** (Tul.) Pat.SYNONYMS: *Rhizoctonia violacea* Tul. & C. Tul.

HOST/SUBSTRATE/LOCALITY:

- *Knautia arvensis* (L.) J. M. Coult.: Guciów village (LBL M-23815, 22 May 1985, *leg. J. Balicka*).

PLANT COMMUNITY/HABITAT: meadow (near forest).

NOTES: The fungus was collected in anamorphic stage.

Hemimycena Singer***Hemimycena cucullata*** (Pers.) Singer

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen branches): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Hemimycena gracilis*** (Quél.) Singer

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen needles): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Hericium Pers.***Hericium alpestre*** Pers.SYNONYMS: *Hericium flagellum* (Scop.) Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten logs and stumps): Bukowa Góra res., Obroc res. (Sałata 1969a, 1972); Czerkies res., Nart res. (Sałata 1972); Czartowe Pole res. [Sałata & Ostas 1975; Flisińska & Sałata 1991, as *Hericium coralloides* (Scop. ex Fr.) S.F. Gray]; Słupy Protected District – sect. 132a and 87b (Białobrzaska 2013); Debry res. – sect. 228b and 229b, Święty Roch res. – sect. 259g, Szum res. near Górecko village – sect. 211f (Białobrzaska & Szczepkowski 2014); Bukowa Góra Protected District – sect. 197b (2007, pers. obs. B. Radliński), sect. 197, 198 and 210 (2006, pers. obs. M. Tchórzewski), sect. 209b (2007, pers. obs. M. Tchórzewski); Horodzisko Protected District – sect. 117c (2009, pers. obs. B. Radliński); Słupy Protected District – sect. 69f (2007, pers. obs. B. Radliński). Cited by Wojewoda (2003), Flisińska (2004, also incorrectly after Sałata 1988), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Quercus-Piceetum*.***Hericium cirrhatum*** (Pers.) Nikol.SYNONYMS: *Creolophus cirrhatus* (Pers.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (stump): Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997). Cited by Kozłowska *et al.* (2015a).
- ***Fagus sylvatica*** L. (stumps): Tarnawa village, Tarnawa Duża village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, *Tilio-Carpinetum*.*Hericium clathroides* → ***Hericium coralloides******Hericium coralloides*** (Scop.) Pers.SYNONYMS: *Hericium clathroides* (Pall.) Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten wood): Bukowa Góra res. (Sałata 1969a, 1972, 1991; Kujawa & Gierczyk 2011; Mułenko *et al.* 2015); Czerkies res., Nart res., Obroc res. (Sałata 1972); Słupy Protected District – sect. 70g,h (Białobrzaska 2013), sect. 43a (Białobrzaska 2013; Mułenko *et al.* 2013; 2007, pers. obs. B. Radliński); Jarugi Protected District – sect. 23 (Mułenko *et al.* 2013; 2007, pers. obs. B. Radliński); Zwierzyniec Forest District – Adamów Forest Range, sect. 160b (Białobrzaska & Szczepkowski 2014). Cited by Wojewoda (2003), Flisińska (2004), Białobrzaska (2013), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).
- ***Populus tremula*** L. (rotten wood): Obroc res. (Sałata 1972). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

- Rotten wood of deciduous trees: Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Roztocze Środkowe region – without precise location (Sałata 1990); Jarugi res. (Flisińska 2004). Cited by Wojewoda (2003), Flisińska [2004, incorrectly as *Hericium flagellum* (Scop.) Pers] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, beech-pine forest.

Hericium coralloides (on *Abies alba*) → ***Hericium alpestre***

Hericium flagellum → ***Hericium alpestre***

Hericium flagellum → ***Hericium coralloides***

Heterobasidion Bref.

Heterobasidion annosum (Fr.) Bref.

SYNONYMS: *Polyporus annosus* Fr., *Trametes radiciperda* R. Hartig

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (roots, stumps and trunks): Krasnobród town (Błoński 1896; Chełchowski 1898); Czerkies res., Nart res. (Sałata 1972); Bukowa Góra res. (Sałata 1972; Skirgiełło 1976); Nart-Czerkies res. (Skirgiełło 1976). Cited by Skirgiełło (1976), Sałata (1991), Flisińska (2004), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).
- ***Pinus sylvestris*** L.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899, as *Trametes radiciperda*; Skirgiełło 1976; Flisińska 2004); Krasnobród Forest District, Tereszpol Forest District, Tomaszów Lubelski Forest District (Sierpiński 1963); Stoki wild. (Sałata 1991; Flisińska 2004); Batorz village (Flisińska 2004). Cited by Sałata (1991), Skirgiełło (1976), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was reported more precisely, as Tomaszów Lubelski town in the papers by Skirgiełło (1972) and Flisińska (2004). The localities listed by Sierpiński (1963) as ‘Forest Districts’ were cited as Krasnobród town (Skirgiełło 1976; Flisińska 2004) and as Tomaszów Lubelski town (Flisińska 2004).
- Coniferous trees: Jarugi res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Hirschioporus abietinus → ***Trichaptum abietinum***

Hirschioporus fuscoviolaceus [‘fusco-violaceus’] → ***Trichaptum fuscoviolaceum***

Hohenbuehelia Schulzer

Hohenbuehelia geogenia → ***Hohenbuehelia petaloides***

Hohenbuehelia petaloides (Bull.) SchulzerSYNONYMS: *Hohenbuehelia geogenia* (DC.) Singer

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stump): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Carpinus betulus* L. (rotten stump): Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- Soil (among grass): surroundings of Zwierzyniec town (Domański 1997); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, fir forest.***Hohenbuehelia reniformis*** (G. Mey.) Singer

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (dead twigs): Bukowa Góra res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Hyalopsora*** Magnus***Hyalopsora aspidiotus*** (Peck) MagnusSYNONYMS: *Hyalopsora polypodii-dryopteridis* (Moug. & Nestl.) Magnus

HOST/SUBSTRATE/LOCALITY:

- *Gymnocarpium dryopteris* (L.) Newm. [= *Phegopteris dryopteris* (L.) Fée] (ferns): Bukowa Góra res. (Sałata & Romaszewska-Sałata 1968); between Panasówka village and Zwierzyniec town (Romaszewska-Sałata 1974); Czerkies res., Jarugi res. (Sałata 1991); Florianka wild. (LBL M-21517, 18 July 1980, *leg. J. Romaszewska-Sałata*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest, beech-fir forest, fir forest.

Hyalopsora polypodii-dryopteridis → ***Hyalopsora aspidiotus******Hydnellum*** P. Karst.***Hydnellum caeruleum*** (Hornem.) P. Karst. [as ‘*coeruleum*’]

HOST/SUBSTRATE/LOCALITY:

- Soil: near Bukowa Góra res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir forest.

Hydnellum concrecens (Pers.) Banker

HOST/SUBSTRATE/LOCALITY:

- Soil [among *Calluna vulgaris* (L.) Hull.]: surroundings of Panasówka village (Domański 1997); Tereszpol village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest.

Hydnellum ferrugineum (Fr.) P Karst.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Szum res. near Górecko village (Flisińska & Sałata 1991; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: swampy forest.

Hydnellum tomentosum → ***Phellodon tomentosus******Hydnum*** L.***Hydnum repandum*** L.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Błoński 1896); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Obroc res. (Sałata 1972, as *Hydnum repandum* Fr. f. *repandum*); Czartowe Pole res., Jarugi res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Olszanka village, Tarnawa village, Tarnawa Duża village, Wólka Batorska village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*.*Hydnum repandum* f. *rufescens* → ***Hydnum rufescens******Hydnum rufescens*** Pers.SYNONYMS: *Hydnum repandum* Fr. f. *rufescens* (Fr.) Nikol.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Hydropus* Kühner ex Singer**Hydropus atramentosus* (Kalchbr.) Kotl. & Pouzar**

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1990, 1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Pinus sylvestris* L.: Stoki wild. (Sałata 1991; Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, fir forest, pine forest.***Hydropus marginellus* (Pers.) Singer**

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1990, 1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.***Hydropus subalpinus* → *Mycena subalpina******Hygrocybe* (Fr.) P. Kumm.*****Hygrocybe acutoconica* (Clem.) Singer**

HOST/SUBSTRATE/LOCALITY:

SYNONYMS: *Hygrocybe persistens* (Britzelm.) Singer

- Soil (among grass): Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); surroundings of Panasówka village (Domański 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest, grassy forest glade.

***Hygrocybe conica* (Schaeff.) P. Kumm.**

HOST/SUBSTRATE/LOCALITY:

- Soil: near Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Zwierzyniec town (Domański 1999a); Bukowa Góra res. (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest, grassy roadside.

***Hygrocybe miniata* (Fr.) P. Kumm.**

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest.

Hygrocybe murinacea → *Hygrocybe nitrata*

Hygrocybe nigrescens (Quél.) Kühner

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1999a). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest.

Hygrocybe nitrata (Pers.) Wünsche

SYNONYMS: *Hygrocybe murinacea* (Fr.) Mos.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Kosobudy village (Domański 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest.

Hygrocybe persistens → *Hygrocybe acutoconica*

Hygrocybe psittacina → *Gliophorus psittacinus*

Hygrophoropsis (J. Schröt.) Maire ex Martin-Sans

Hygrophoropsis aurantiaca (Wulfen) Maire

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Czartowe Pole res., Rybnica village near Susiec village, Susiec village – Skwarki district (Sałata 1991); Batorz village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Hygrophoropsis morganii (Peck) H.E. Bigelow

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest, fir-beech forest with admixture of pine.

Hygrophorus Fr.

Hygrophorus camarophyllus (Alb. & Schwein.) Dumée, Grandjean & Maire

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of fir-beech forest with admixture of pine.

Hygrophorus chrysdon (Batsch) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Hygrophorus eburneus*** (Bull.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Maziarki wild., Nart res. (Sałata 1991); Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, oak forest with admixture of beech.***Hygrophorus hypothejus*** (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses and litter of deciduous trees): Bukowa Góra res., Florianka wild. (Sałata 1991).

PLANT COMMUNITY/HABITAT: pine forests.

NOTES: Presence of the species needs to be confirmed. There are no corresponding collections available in the herbarium.

Hygrophorus olivaceoalbus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.*Hygrophorus psittacinus* → ***Gliophorus psittacinus******Hygrophorus pudorinus*** (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Hygrophorus spodoleucus*** Mos.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Gumińska 1997). Cited by Wojewoda [2003, as *Hygrophorus subviscifer* (P. Karst.) Harmaja] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest.

Hygrophorus subviscifer → ***Hygrophorus spodoleucus***

Hymenochaete Lév.

Hymenochaete cruenta (Pers.) Donk

SYNONYMS: *Hymenochaete mougeotii* (Fr.) Cooke

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (bark, branches and trunks): Bukowa Góra res. (Sałata 1972); Czerkies res., Obroc res. (Sałata 1972; Skirgieńko 1972); Panasówka village (Skirgieńko 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Czartowe Pole res. (Flisińska & Sałata 1991; Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Lasowe ('Lasowce') near Stara Huta village (Wojewoda *et al.* 2002). Cited by Sałata & Ostas (1975), Sałata (1991), Wojewoda *et al.* (2002), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Quercus-Piceetum*, fir forest, mixed forest with fir and beech.

Hymenochaete mougeotii → ***Hymenochaete cruenta***

Hymenochaete rubiginosa (Dicks.) Lév.

HOST/SUBSTRATE/LOCALITY:

- ***Quercus*** sp. (stumps): Roztocze NP – without precise location (Sałata 1988); Maziarki wild., Nart res. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, deciduous forest.

Hymenochaete tabacina → ***Pseudochaete tabacina***

Hymenopellis R.H. Petersen

Hymenopellis radicata (Relhan) R.H. Petersen

SYNONYMS: *Agaricus radicans* Relhan, *Oudemansiella radicata* (Relhan) Singer, *Xerula radicata* (Relhan) Dörfelt

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten logs, stumps, trunks and close to trees): Zwierzyniec town (Błoński 1896, as *Agaricus macrourus* Scop. = *Agaricus radicans* Relhan; Chełchowski 1898; Ronikier 2005b); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise

location (Sałata 1988); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Tarnawa Duża village (Flisińska 2004); Jarugi res., Olszanka village (Flisińska 2004; Ronikier 2005b). Cited by Sałata (1991), Flisińska (2004), Ronikier (2005b) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest, deciduous forest.

Hyphoderma radula → ***Basidioradulum radula***

Hyphodontia J. Erikss.

Hyphodontia arguta (Fr.) J. Erikss.

SYNONYMS: *Grandinia arguta* (Fr.) Jülich

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten logs): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Hypholoma (Fr.) P. Kumm.

Hypholoma capnoides (Fr.) P. Kumm.

SYNONYMS: *Naematoloma capnoides* (Fr.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten stumps): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Kruglik Forest Range (Sałata 1988; Flisińska 2004); Tarnawa village, Tokary village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Pinus sylvestris*** L. (rotten stump): Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest.

Hypholoma ericaeum (Pers.) Kühner

SYNONYMS: *Psilocybe ericaea* (Pers.) Quéf.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: park.

Hypholoma fasciculare (Huds.) P. Kumm.SYNONYMS: *Agaricus fascicularis* Huds., *Naematoloma fasciculare* (Huds.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (rotten stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten logs and stumps: Roztocze Środkowe region – without precise location (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Czartowe Pole res. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- On trunks and around the trunks of coniferous and deciduous trees: Bondyrz village (Błoński 1896; Chełchowski 1898); Jarugi res., Maziarki wild., Tarnawa Duża village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, deciduous forest.***Hypholoma lateritium*** (Schaeff.) P. Kumm.SYNONYMS: *Agaricus lateritius* Schaeff., *Hypholoma sublateritium* (Schaeff.) Quél., *Naematoloma sublateritium* (Schaeff.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (rotten stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Trees, trunks, rotten logs and stumps: Zwierzyniec town (Błoński 1896; Chełchowski 1898); Roztocze Środkowe region – without precise location (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Maziarki wild. (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Hypholoma polytrichi*** (Fr.) RickenSYNONYMS: *Psilocybe polytrichi* (Fr.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Among mosses: Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Hypholoma subericaceum (Fr.) KühnerSYNONYMS: *Psilocybe subericacea* (Fr.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Zwierzyniec town (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a, also incorrectly after Domański 1999a).

PLANT COMMUNITY/HABITAT: pine forest.

Hypholoma sublateritium → ***Hypholoma lateritium****Hypholoma udum* → ***Bogbodia uda******Imleria*** Vizzini***Imleria badia*** (Fr.) VizziniSYNONYMS: *Xerocomus badius* (Fr.) E.-J. Gilb.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Czartowe Pole res., Florianka wild. (Sałata 1991); Stoki wild. (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Gródki village, Otrocz village, Tarnawa village, Wólka Batorska village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004), Mułenko *et al.* (2013) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, pine forest.***Inocybe*** (Fr.) Fr.***Inocybe acuta*** Boud.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with large admixture of fir.

Inocybe adaequata (Britzelm.) Sacc.SYNONYMS: *Inocybe jurana* (Pat.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Nart res., Obroc res. (Sałata 1972); Czerkies res. (Skirgieńo 1984). Cited by Skirgieńo (1984), Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, road in beech forest.***Inocybe asterospora*** Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Czerkies res., Nart res. (Sałata 1972); Kruglik Forest Range, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Inocybe boltonii → *Inocybe curvipes*

Inocybe bongardii (Weinm.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Zwierzyniec town (Nespiak 1990). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest.

Inocybe cookei Bres.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obrocze res. (Sałata 1972); Roztocze NP – without precise location (Nespiak 1990). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, mixed forest.

Inocybe corydalina Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze NP – without precise location (Nespiak 1990). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest on limestone.

Inocybe curvipes P. Karst.

SYNONYMS: *Inocybe boltonii* R. Heim

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze region – without precise location (Domański 1997); Tereszpol village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with admixture of spruce.

Inocybe dulcamara (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Zwierzyniec town (Domański 1997); Roztocze NP – without precise location (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Inocybe fastigiata → *Inocybe rimosa*

Inocybe fibrosa (Sowerby) Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil: near Bukowa góra res. (Domański 1997); Bukowa Góra res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir-beech forest with admixture of pine, pine forest.

Inocybe friesii → ***Inocybe nitidiuscula******Inocybe geophylla*** (Bull.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Domański 1999a); Otrocz village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, fir forest.***Inocybe godeyi*** Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze NP – without precise location (Nespiak 1990). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest.

Inocybe hirtella Bres.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town – near Wieprz river (Nespiak 1990). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest.

Inocybe jurana → ***Inocybe adaequata******Inocybe lacera*** (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Roztocze NP – without precise location (Domański 1999a). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: various types of forests.

Inocybe lanuginosa (Bull.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (mossy, rotten stumps): Obroc res. (Sałata 1972); Czartowe Pole res. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Pinus sylvestris* L. (rotten stump): Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, moist mixed forest.

Inocybe maculata Boud.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze NP – without precise location (Nespiak 1990). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: hornbeam forest.

Inocybe mixtilis (Britzelm.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Panasówka village (Domański 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest, pine forest with admixture of fir.

Inocybe mixtilis → ***Inocybe paludinella***

Inocybe napipes J.E. Lange

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Czartowe Pole res. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, moist mixed forest.

Inocybe nitidiuscula (Britzelm.) Lapl.

SYNONYMS: *Inocybe friesii* R. Heim

HOST/SUBSTRATE/LOCALITY:

- Soil: Huta village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.

Inocybe obscura Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze region – without precise location (Nespiak 1990). Cited by Wojewoda (2003), Flisińska (2004, from Zwierzyniec town) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Inocybe paludinella (Peck) Sacc.SYNONYMS: *Inocybe trechispora* (Berk.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Nespiak 1990); Tarnawa Duża village (Flisińska 2004). Cited by Wojewoda (2003), Flisińska (2004, as *Inocybe mixtilis* Britzelm.) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: under beech tree.

Inocybe perlata (Cooke) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze region – without precise location (Nespiak 1990). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: roadside in mixed forest.

Inocybe pyriodora (Pers. ex Fr.) Quél.SYNONYMS: *Inocybe pyriodora* (Pers.) P. Kumm. f. *incarnata* (Bres.) Nespiak, *Inocybe pyriodora* var. *incarnata* Bres.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze NP – without precise location (Nespiak 1990); Zwierzyniec town and its surroundings (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest, pine forest with admixture of spruce.

Inocybe pyriodora f. *incarnata* → ***Inocybe pyriodora****Inocybe pyriodora* var. *incarnata* → ***Inocybe pyriodora******Inocybe rimosa*** (Bull.) P. Kumm.SYNONYMS: *Inocybe fastigiata* (Schaeff.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988). Cited by Sałata (1991), Flisińska (2004, also incorrectly after Sałata 1978 instead of Sałata 1988) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Inocybe salicis*** KühnerSYNONYMS: *Inocybe xanthomelas* Boursier & Kühner

HOST/SUBSTRATE/LOCALITY:

- Soil: Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Inocybe similis Bres.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Jarugi Forest District (Nespiak 1990). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: under beech, hornbeam and oak trees.

Inocybe squamata J.E. Lange

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze NP – without precise location (Nespiak 1990). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: under oak tree.

Inocybe trechispora → ***Inocybe paludinella******Inocybe umbratica*** Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Sałata 1972); Roztocze region – without precise location (Nespiak 1990). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Inocybe umbrina*** Bres.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with admixture of fir.

Inocybe xanthomelas → ***Inocybe salicis******Inonotus*** P. Karst.***Inonotus nodulosus*** (Fr.) P. Karst.SYNONYMS: *Inonotus radiatus* (Sowerby) P. Karst. var. *nodulosus* (Fr.) Pilát

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (branches, logs): Bukowa Góra res., Czerkies res., Nart res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska [2004, as *Inonotus radiatus* (Sowerby ex Fries) P. Karst.] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Inonotus obliquus (Ach. ex Pers.) Pilát

HOST/SUBSTRATE/LOCALITY:

- ***Betula pendula*** Roth: Zwierzyniec Forest District – Debry Forest Range sect. 300b (Białobrzaska & Szczepkowski 2014). Cited by Kozłowska *et al.* (2015a).
- ***Betula*** sp.: Słupy Protected District – sect. 149b (Białobrzaska 2013); Narol Forest District – Gorajec Forest Range and Huta Różaniecka Forest Range, Zwierzyniec Forest District – Adamów Forest Range, Bukownica Forest Range, Debry Forest Range, Podzamcze Forest Range and Zielone Forest Range (Szczepkowski *et al.* 2013b). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with admixture of birch.

Inonotus radiatus → ***Inonotus nodulosus****Inonotus radiatus* var. *nodulosus* → ***Inonotus nodulosus******Irpex*** Fr.*Irpex fuscoviolaceus* ['*fusco-violaceus*'] → ***Trichaptum fuscoviolaceum******Irpex lacteus*** (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen twigs): Bukowa Góra res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015, incorrectly on fallen twigs of *Abies*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Irpex nitidus* → ***Junghuhnia nitida****Irpex ochraceus* → ***Steccherinum ochraceum******Ischnoderma*** P. Karst.***Ischnoderma benzoinum*** (Wahlenb.) P. Karst.SYNONYMS: *Lasiochlaena benzoina* (Wahlenb.) Pouzar, *Ochroporus benzoinus* Wahlenb., *Polyporus benzoinus* (Wahlenb.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (logs, rotten stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. [Sałata 1972, as *Ischnoderma resinsum* (Fr.) P. Karst.]; Czartowe Pole res. (Flisińska & Sałata 1991; Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska [2004, as *Ischnoderma resinsum* (Schrad. ex Fr.) P. Karst.] and Kozłowska *et al.* (2015a).
- Trunks of coniferous trees: Zwierzyniec town (Błoński 1896; Chełchowski 1898); Roztocze Środkowe region – without precise location (Sałata 1990; as *Ischnoderma resinsum*). Cited by Sałata (1991), Flisińska (2004, as *Ischnoderma resinsum*) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Ischnoderma resinorum (Schrad.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Bukowa Góra res. (Sałata 1991).
- Dead wood of coniferous trees: Zwierzyniec town (Domański *et al.* 1967). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Ischnoderma resinorum* → *Ischnoderma benzoinum****Junghuhnia*** Corda***Junghuhnia nitida*** (Pers.) RyvardenSYNONYMS: *Chaetoporus euporus* (P. Karst.) P. Karst., *Irpex nitidus* (Pers.) Saaren. & Kotir.

HOST/SUBSTRATE/LOCALITY:

- *Carpinus betulus* L. (dead branches): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Kuehneola*** Magnus***Kuehneola uredinis*** (Link) Arthur

HOST/SUBSTRATE/LOCALITY:

- *Rubus gracilis* J. Presl & C. Presl [= *Rubus villicaulis* Köhler]: Kosobudy village (Majewski 1977); Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).
- *Rubus hirtus* Waldst.: Bukowa Góra res., Maziarki wild., Obroc res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: fir forest, mixed forest.

Kuehneromyces Singer & A.H. Sm.***Kuehneromyces mutabilis*** (Schaeff.) Singer & A.H. Sm.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (logs and stumps): Bukowa Góra res. (Sałata 1972; Skirgień 1984); Nart res., Obroc res. (Sałata 1972). Cited by Skirgień (1984), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Alnus* sp. (trunk): surroundings of Guciów village (Skirgień 1984). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Carpinus betulus* L. (trunk): Tarnawa village (Skirgień 1984; Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (trunks and stumps): Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Batorz village, Czerkies res., Tarnawa village (Skirgień 1984); Maziarki wild. (Sałata 1991; Flisińska 2004). Cited by Skirgień (1984), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

- Trees, logs and stumps: Roztocze Środkowe region – without precise location (Sałata 1969a); Guciów village (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Otrocż village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Kuehneromyces vernalis (Sacc.) Singer & A.H. Sm.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten wood): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda [2003, as *Pholiota lignicola* (Peck.) Jacobss.], Flisińska (2004, also incorrectly from Czerkies res. and Obrocż res.) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Laccaria Berk. & Broome

Laccaria amethystea (Bull.) Murrill

SYNONYMS: *Laccaria amethystina* Cooke

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten wood): Obrocż res. (Sałata 1972). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- Soil (among plant litter): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obrocż res. (Sałata 1972; Skirgieńko 1976); Zwierzyniec town (Skirgieńko 1976); Kruglik Forest Range [Sałata 1988, as *Laccaria amethystina* (Bolt.) Murr.]; Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Maziarki wild., Nart res., Olszanka village, Otrocż village, Tarnawa village, Tokary village, Zdziłowice village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Laccaria amethystina → ***Laccaria amethystea***

Laccaria bicolor (Maire) P.D. Orton

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Zwierzyniec town (Domański 1997). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: forest.

Laccaria laccata (Scop.) Cooke

SYNONYMS: *Agaricus laccatus* Scop., *Russuliopsis laccata* (Scop.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Bondyryz village (Błoński 1896); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Czartowe Pole res., Szum res. near Górecko village (Sałata 1991); Stoki wild. (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Zwierzyniec town and its surroundings (Domański 1999a); Gródki village, Maziarki wild., Olszanka village, Otrocz village, Tarnawa village, Tokary village, Zdziłowice village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, thickets.

Laccaria proxima (Boud.) Pat.

HOST/SUBSTRATE/LOCALITY:

- Among *Sphagnum* sp. (mosses): Panasówka village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).
- Soil: Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest, sandy roadside.

Laccaria tortilis (Bolton) Cooke

HOST/SUBSTRATE/LOCALITY:

- Soil: Tereszpol village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest, along a road.

Lacrymaria Pat.***Lacrymaria lacrymabunda*** (Bull.) Pat.

SYNONYMS: *Psathyrella velutina* (Pers.) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): near Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: forest.

Lactaria chrysorrhoea → ***Lactarius chrysorrhoeus***

Lactaria deliciosa → ***Lactarius deliciosus***

Lactaria pergamena → ***Lactarius glaucescens***

Lactaria piperata → ***Lactarius piperatus***

Lactaria rufa → ***Lactarius rufus***

Lactaria subdulcis → ***Lactarius subdulcis***

Lactaria vellerea → ***Lactarius vellereus***

Lactarius Pers.

Lactarius acris (Bolon) Gray

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Zwierzyniec town (Domański 1997); Bukowa Góra res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir-beech forest, pine forest.

Lactarius aurantiacus (Pers.) Gray

SYNONYMS: *Lactarius mitissimus* Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Bukowa Góra res., Obrocz res. (Sałata 1972); Zwierzyniec town (Domański 1999a). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Soil (among litter of coniferous trees): Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Olszanka village (Flisińska 2004). Cited by Flisińska (2004) after Sałata (1988, incorrectly as 1978) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, pine forest with large admixture of fir and aspen poplar.

Lactarius blennius (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.

Lactarius camphoratus (Bull.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Bukowa Góra res., Czerkies res., Obrocz res. (Sałata 1972); Czartowe Pole res. (Sałata 1991); Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Tilio-Carpinetum*, fir forest, moist mixed forest.

***Lactarius chrysorrheus* Fr.**SYNONYMS: *Lactaria chrysorrhea* Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Tomaszów Lubelski town (Błoński 1896). Cited by Chełchowski (1898), Flisińska (2004, also incorrectly from Krasnobród town) and Kozłowska *et al.* (2015a, also incorrectly after Wojewoda 2003).

PLANT COMMUNITY/HABITAT: coniferous forest, deciduous forest.

***Lactarius circellatus* Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Obrocż res. (Sałata 1972); Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.***Lactarius deliciosus* (L.) Gray**SYNONYMS: *Lactaria deliciosa* L.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Krasnobród town, Tomaszów Lubelski town (Błoński 1896); Bukowa Góra res., Czerkies res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Stoki wild. (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004), Kozłowska *et al.* (2015a) and Muńenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Vaccinio myrtilli-Pinetum*, fir forest.***Lactarius deterrimus* Gröger**

HOST/SUBSTRATE/LOCALITY:

SYNONYMS: *Lactarius semisanguifluus* R. Heim & Leclair

- Soil: Tereszpol village (Domański 1999a, as both *Lactarius deterrimus* and *L. semisanguifluus*). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with large admixture of spruce.

Lactarius fuscus* → *Lactarius mammosus***Lactarius glaucescens* Crossl.**SYNONYMS: *Lactaria pergamena* Sw., *Lactarius pergamenus* (Sw.) Fr. [as ‘*pergamenus*’]

HOST/SUBSTRATE/LOCALITY:

- Soil: Krasnobród town (Błoński 1896); Roztocze NP – without precise location (Wojewoda 2003). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Lactarius glyciosmus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Roztocze NP – without precise location (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of young pine forest.

NOTES: The fungus was also erroneously cited by Chelchowski (1898), Sałata (1991) and Flisińska (2004) after Błoński (1896). However, Błoński (l.c.) did not report this species.

Lactarius helvus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Bukowa Góra res. (Sałata 1991); Stoki wild. (Sałata 1991; Flisińska 2004); Zwierzyniec town and its surroundings (Domański 1999a); Tarnawa Duża village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, *Vaccinio myrtilli-Pinetum*, pine forest.*Lactarius hemicyanus* → ***Lactarius quieticolor******Lactarius lilacinus*** (Lasch) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Florianka wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: alder forest.

Lactarius mammosus Fr.SYNONYMS: *Lactarius fuscus* Rolland

HOST/SUBSTRATE/LOCALITY:

- Soil: Tereszpól village, Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with large admixture of spruce.

Lactarius mitissimus → ***Lactarius aurantiacus******Lactarius necator*** (Bull.) Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Obroc res. (Sałata 1972; Skirgień 1972); Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Otrocz village, Stoki wild. (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, pine forest, pine forest with admixture of birch.

Lactarius omphaliiformis Romagn. [as ‘*omphaliiformis*’]

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze NP – without precise location (Sałata 1988); Florianka wild., Stoki wild. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: alder forest.

Lactarius pallidus Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Lactarius pergamenus*** [‘*pergamenus*’] → ***Lactarius glaucescens******Lactarius piperatus*** (L.) Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bondyrz village, Krasnobród town, Zwierzyniec town (Błoński 1896, as *Lactaria piperata* Scop.); Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Markowiczyna village near Kosobudy village (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Huta village, Olszanka village, Otrocz village, Tarnawa village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.***Lactarius pubescens*** Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Sałata 1991; Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest (incl. forest margin).

Lactarius quieticolor Romagn.SYNONYMS: *Lactarius hemicyaneus* Romagn.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Panasówka village (Domański 1997); Panasówka village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest.

Lactarius quietus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Zwierzyniec town (Domański 1999a). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest, under oak tree, margin of pine forest.

Lactarius rufus (Scop.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bondyrz village, Tomaszów Lubelski town (Błoński 1896, as *Lactaria rufa* Scop.); Obroc res. (Sałata 1972); Bukowa Góra res., Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Otrocz village, Stoki wild. (Flisińska 2004). Cited by Chelchowski (1898), Sałata (1991), Flisińska (2004, after Sałata 1972, incorrectly as 1968) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Tilio-Carpinetum*, young pine forest.***Lactarius salmonicolor*** R. Heim & Leclair

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Obroc res. (Sałata 1972); Roztocze region – without precise location (Skirgiełło 1998). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Lactarius scrobiculatus*** (Scop.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Lactarius semisanguifluus* → *Lactarius deterrimus******Lactarius serifluus*** (DC.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Huta village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.

Lactarius sphagneti (Fr.) Neuhoff

HOST/SUBSTRATE/LOCALITY:

- Soil (among *Sphagnum* sp.; mosses): Stoki wild. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*.***Lactarius subdulcis*** (Pers.) Gray

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Zwierzyniec town (Błoński 1896, reported as *Lactaria subdulcis* Bull.); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, fir forest.***Lactarius torminosus*** (Schaeff.) Gray

HOST/SUBSTRATE/LOCALITY:

- Soil: Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Zwierzyniec town and its surroundings (Domański 1999a); Tarnawa Duża village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, pine forest.***Lactarius uvidus*** (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Tereszpol village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with large admixture of fir.

Lactarius vellereus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Zwierzyniec town (Błoński 1896, as *Lactaria vellerea* Fr.); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Tarnawa Duża village (Flisińska 2004). Cited by Chelchowski (1898, incorrectly from Bondyryz village and Krasnobród town after Błoński l.c.), Sałata (1991, incorrectly from Bondyryz village and Krasnobród town after Błoński l.c.), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Lactarius vietus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Tereszpol village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Lactarius volemus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Nart res. (Sałata 1972); Maziarki wild. (Sałata 1991; Flisińska 2004); Gródki village, Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Laetiporus Murrill***Laetiporus sulphureus*** (Bull.) Murrill

SYNONYMS: *Polyporus caudicinus* (Schaeff.), *Polyporus sulphureus* Bull.

HOST/SUBSTRATE/LOCALITY:

- *Alnus glutinosa* (L.) Gaertn. (trunk): Nad Tanwią res. (Mułenko *et al.* 2015, on *Alnus* sp.); Czartowe Pole res. (LBL M-28068, 18 May 2018, leg. M. Kozłowska).
- *Populus* sp.: Tokary village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- *Quercus* sp.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004). Cited by Sałata (1991) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as 'Forests of the Zamoyski family estate' was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).
- Trunks and roots of deciduous trees: Szczepieszyn town (Błoński 1896; Chełchowski 1898); Roztocze region – without precise location (Czarnecka & Janiec 2002); Roztocze NP – without precise location (Mułenko *et al.* 2013). Cited by Flisińska (2004), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: various types of forests, parks.

Langermannia gigantea → *Calvatia gigantea*

Lasiochlaena benzoina → *Ischnoderma benzoinum*

Leccinum Gray***Leccinum aurantiacum*** (Bull.) Gray

SYNONYMS: *Leccinum rufum* (Schaeff.) Kreisel

HOST/SUBSTRATE/LOCALITY:

- Soil: Maziarki wild. (Sałata 1991; Flisińska 2004); Zwierzyniec town (Domański 1999a); Stoki wild., Tarnawa village (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, *Tilio-Carpinetum*, oak forest, pine forest with large admixture of fir and aspen poplar.

Leccinum griseum → *Leccinum pseudoscabrum*

Leccinum holopus (Rostk.) Watling

HOST/SUBSTRATE/LOCALITY:

– Soil: Panasówka village and its surroundings (Domański 1997, 1999a). Cited by Wojewoda [2003, as *Leccinum niveum* (Fr.) Rauschert] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: under birch tree at margin of *Ledo-Sphagnetum magellanici* and *Ledo-Sphagnetum*.

Leccinum niveum → *Leccinum holopus*

Leccinum pseudoscabrum (Kallenb.) Šutara

SYNONYMS: *Leccinum griseum* (Quél.) Singer

HOST/SUBSTRATE/LOCALITY:

– Soil (among litter of deciduous trees): Obroc res. (Sałata 1991); Gródki village, Olszanka village, Tarnawa Duża village, Wólka Batorska village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: hornbeam forest.

Leccinum rufum → *Leccinum aurantiacum*

Leccinum scabrum (Bull.) Gray

HOST/SUBSTRATE/LOCALITY:

– Soil: Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Roztocze NP – without precise location (Domański 1999a); Roztocze region – without precise location (Czarnecka & Janiec 2002); Stoki wild., Wólka Batorska village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, *Vaccinio myrtilli-Pinetum*, under birch tree in various types of forests.

Leccinum testaceoscabrum → *Leccinum versipelle*

Leccinum variicolor Watling. NOTES: From the Roztocze region the fungus was reported by Sałata (1991) after the earlier publication (Sałata 1988). However, in the last paper the species was reported from Bachus res. near Chelm town (*leg. A. Skirgielło*).

Leccinum versipelle (Fr. & Hök) SnellSYNONYMS: *Leccinum testaceoscabrum* (Secr.) Sing.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town and its surroundings (Domański 1999a); Tokary village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: under birch tree.

Lentinellus P. Karst.*Lentinellus castoreus* → ***Lentinellus ursinus******Lentinellus cochleatus*** (Pers.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (trunks, stumps): Olszanka village, Tarnawa village (Flisińska & Sałata 1998). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Populus tremula*** L. (stumps): Tarnawa village (Skirgiełło 1984; Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Quercus robur*** L. (stumps): Stoki wild. (Skirgiełło 1984; Flisińska 2004); Roztocze NP – without precise location (Sałata 1988); Maziarki wild., Nart res. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Deciduous trees (stumps, branches): Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, oak forest, mixed forest.***Lentinellus flabelliformis*** (Bolton) S. ItoSYNONYMS: *Lentinus flabelliformis* (Bolton) Fr.

HOST/SUBSTRATE/LOCALITY:

- Tree trunks: Zwierzyniec town (Błoński 1896; Chelchowski 1898). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: park.

Lentinellus micheneri (Berk. & M.A. Curtis) PeglerSYNONYMS: *Lentinellus omphalodes* (Fr.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Alnus*** sp. (branch lying in soil): Florianka wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991; Flisińska 2004). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Lentinellus omphalodes → ***Lentinellus micheneri***

Lentinellus ursinus (Fr.) KühnerSYNONYMS: *Lentinellus castoreus* (Fr.) Kühner & Maire

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten logs): Bukowa Góra res., Czerkies res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Gumińska (1981), Sałata (1991), Wojewoda (2003), Flisińska (2004, incorrectly after Domański 1965) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Lentinus*** Fr.*Lentinus adhaerens* → ***Neolentinus adhaerens****Lentinus cyathiformis* → ***Neolentinus cyathiformis****Lentinus flabelliformis* → ***Lentinellus flabelliformis****Lentinus lepideus* → ***Neolentinus lepideus****Lentinus squamosus* → ***Neolentinus lepideus****Lentinus stipticus* → ***Panellus stipticus******Lentinus tigrinus*** (Bull.) Fr.SYNONYMS: *Panus tigrinus* (Bull.) Singer

HOST/SUBSTRATE/LOCALITY:

- Trunks and twigs of deciduous trees: Krasnobród town, Tomaszów Lubelski town (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Lenzites sepiaria → ***Gloeophyllum sepiarium******Lepiota*** (Pers.) Gray*Lepiota acutesquamosa* → ***Lepiota aspera******Lepiota aspera*** (Pers.) Quél.SYNONYMS: *Lepiota acutesquamosa* (Weinm.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Lepiota brunneoincarnata Chodat & C. Martin [as '*brunneo-incarnata*']

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Bukowa Góra res., Obrocz res. (Sałata 1972); Maziarki wild. (Sałata 1991; Flisińska 2004); Kosobudy village (Flisińska 2004). Cited by Sałata (1991), Domański (1997), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Lepiota castanea*** Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obrocz res. (Sałata 1972); Maziarki wild. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Lepiota clypeolaria*** (Bull.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Lepiota cristata*** (Bolton) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Nart res. (Sałata 1972; Sałata 1988, without precise location from Roztocze NP; Sałata 1991; Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Lepiota echinella*** Quél. & G.E. BernardSYNONYMS: *Lepiota setulosa* J.E. Lange

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Lepiota erminea*** (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Batorz village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Lepiota felina (Pers.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town and its surroundings (Domański 1997, 1999a, in both papers as *Lepiota felina* Quél.). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, pine forest with large admixture of fir and aspen poplar.***Lepiota grangei*** (Eyre) Kühner

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Obroc res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Lepiota oreadiformis*** Velen.

HOST/SUBSTRATE/LOCALITY:

- Soil [among *Calluna vulgaris* (L.) Hull.]: Tereszpól village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Lepiota procera → ***Macrolepiota procera****Lepiota seminuda* → ***Cystolepiota seminuda****Lepiota setulosa* → ***Lepiota echinella******Lepiota tomentella*** J.E. Lange

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res., Obroc res. (Sałata 1972). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, fir forest.***Lepista*** (Fr.) W.G. Sm.***Lepista flaccida*** (Sowerby) Pat.SYNONYMS: *Clitocybe inversa* (Scop.) Quél., *Lepista inversa* (Scop.) Pat.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Lepista flaccida → ***Lepista gilva******Lepista gilva*** (Pers.) Pat.SYNONYMS: *Clitocybe gilva* (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* [2015a, as *Lepista flaccida* (Sowerby) Pat.].

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest.*Lepista inversa* → ***Lepista flaccida******Lepista irina*** (Fr.) H.E. BigelowSYNONYMS: *Tricholoma irinum* (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Lepista luscina → ***Lepista rickenii****Lepista nebularis* → ***Clitocybe nebularis******Lepista nuda*** (Bull.) Cooke

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous and deciduous trees): Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Czartowe Pole res. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Nart res., Tarnawa village, Tokary village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, moist mixed forest.***Lepista personata*** (Fr.) CookeSYNONYMS: *Lepista saeva* (Fr.) P.D. Orton

HOST/SUBSTRATE/LOCALITY:

- Soil: Tarnawa Duża village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.

Lepista rickenii Singer

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1999a). Cited by Wojewoda [2003, as *Lepista luscina* (Fr. ex Fr.) Singer s.l.] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: forest glade.

Lepista saeva → ***Lepista personata******Leptoporus*** Quél.***Leptoporus mollis*** (Pers.) Quél.

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (stump and trunk): surroundings of Panasówka village (Domański 1997); Tereszpol village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Leratiomyces Bresinsky & Manfr. Binder ex Bridge, Spooner, Beever & D.C. Park***Leratiomyces squamosus*** (Pers.) Bridge & SpoonerSYNONYMS: *Psilocybe squamosa* (Pers.) P.D. Orton, *Stropharia squamosa* (Pers.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Among litter of deciduous trees: Bukowa Góra res., Obroc res. (Sałata 1972); Nart res. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village (Flisińska & Sałata 1998); Kruglik Forest Range (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Leucocortinarius*** (J.E. Lange) Singer***Leucocortinarius bulbiger*** (Alb. & Schwein.) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Czerkies res., Obroc res. (Sałata 1972); Gródki village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.***Leucopaxillus*** Boursier*Leucopaxillus amarus* → ***Leucopaxillus gentianeus***

Leucopaxillus gentianeus (Quél.) Kotl.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Nart res., Obroc res. [Sałata 1972, as *Leucopaxillus amarus* (Alb. & Schwein.) Kühner]; Czartowe Pole res. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Leucopaxillus giganteus*** (Sowerby) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of old pine forest (near the road).

Lichenomphalia Redhead, Lutzoni, Moncalvo & Vilgalys***Lichenomphalia umbellifera*** (L.) Redhead, Lutzoni, Moncalvo & VilgalysSYNONYMS: *Omphalina ericetorum* (Pers.) M. Lange, *Omphalina umbellifera* (L.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Among *Sphagnum* sp. (mosses): Panasówka village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: peat bog.

Limacella Earle***Limacella delicata*** (Fr.) H.V. Sm.SYNONYMS: *Limacella glioderma* (Fr.) Maire

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town and its surroundings (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, pine forest with large admixture of fir.*Limacella glioderma* → ***Limacella delicata******Limacella guttata*** (Pers.) Konrad & Maubl.

HOST/SUBSTRATE/LOCALITY:

- Soil: Czartowe Pole res. (Flisińska & Sałata 1991; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest at the roadside.

Limacella illinita (Fr.) Maire

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Zwierzyniec town (Domański 1997, 1999a). Cited by Wojewoda (2003, incorrectly citing paper by Domański from 1999b, instead of 1999a) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, pine forest with large admixture of fir.***Lycoperdon*** Pers.***Lycoperdon echinatum*** Pers.SYNONYMS: *Lycoperdon gemmatum* var. *echinatum* (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Zwierzyniec town (Błoński 1896); Nart res., Obroc res. (Sałata 1972). Cited by Chełchowski (1898), Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: various types of forests incl. *Dentario glandulosae-Fagetum*, meadows, pastures.***Lycoperdon excipuliforme*** (Scop.) Pers.SYNONYMS: *Calvatia excipuliformis* (Scop.) Perdeck, *Calvatia excipuliformis* (Scop.) Perdeck f. *excipuliformis*, *Lycoperdon pyriforme* Schaeff. var. *excipuliforme* (Scop.) Desm.

HOST/SUBSTRATE/LOCALITY:

- Soil (close to stump of *Fagus sylvatica* L.): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, grassy glade in fir-forest.*Lycoperdon foetidum* → ***Lycoperdon nigrescens****Lycoperdon gemmatum* var. *echinatum* → ***Lycoperdon echinatum******Lycoperdon marginatum*** Vittad.SYNONYMS: *Lycoperdon muricatum* Bonord.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bondyryz village (Błoński 1896). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: meadow.

***Lycoperdon molle* Pers.**

HOST/SUBSTRATE/LOCALITY:

- Among plant litter: Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.*Lycoperdon muricatum* → ***Lycoperdon marginatum******Lycoperdon nigrescens* Pers.**SYNONYMS: *Lycoperdon foetidum* Bonord.

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res., Obroc res. (Sałata 1972); Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Tilio-Carpinetum*.***Lycoperdon perlatum* Pers.**SYNONYMS: *Lycoperdon perlatum* var. *bonordenii* (Masse) Perdeck, *Lycoperdon perlatum* var. *perlatum*

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten wood): Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Plant litter: Bukowa Góra res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Soil and among plant litter: Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Czartowe Pole res. (Sałata 1991); Stoki wild. (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*.*Lycoperdon perlatum* var. *bonordenii* → ***Lycoperdon perlatum******Lycoperdon pyriforme* Schaeff.**SYNONYMS: *Lycoperdon pyriforme* var. *pyriforme*

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten logs and stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004, after Sałata 1972, and also incorrectly after Sałata 1968) and Kozłowska *et al.* (2015a).

- *Fagus sylvatica* L. (rotten logs and stumps): Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004, after Sałata 1972, and also incorrectly after Sałata 1968) and Kozłowska *et al.* (2015a).
- Rotten logs and stumps, plant litter: Tomaszów Lubelski town, Zwierzyniec town (Błoński 1896; Chelchowski 1898); Roztocze Środkowe region – without precise location (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Nart res., Olszanka village, Stoki wild., Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, fir forest.

Lycoperdon pyriforme var. *excipuliforme* → *Lycoperdon excipuliforme*

***Lycoperdon umbrinum* Pers.**

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

***Lyophyllum* P. Karst.**

***Lyophyllum connatum* (Schumach.) Singer**

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

***Lyophyllum decastes* (Fr.) Singer**

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003, incorrectly as Domański 1999b instead of Domański 1999a), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest, beech forest.

Lyophyllum palustre → *Sphagnurus paluster*

Macalpinomyces Langdon & Full.***Macalpinomyces neglectus*** (Niessl) VánkySYNONYMS: *Ustilago neglecta* Niessl, *Ustilago panici-glauci* (Wallr.) G. Winter

HOST/SUBSTRATE/LOCALITY:

- ***Setaria pumila*** (Poir.) Roem. & Schult [= *Setaria glauca* (L.) P. Beauv.]: Kosobudy village, Obroc village (Sałata & Romaszewska-Sałata 1969); Gorajec-Stara Wieś village (LBL M-21471, 5 Oct. 1977, leg. A. Poświatowska). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: balk, stubble, roadside, farmland.

Macrocytidia Joss.***Macrocytidia cucumis*** (Pers.) Joss.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res., Obroc res. (Sałata 1972); Gródki village, Olszanka village, Stoki wild., Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*.***Macrolepiota*** Singer***Macrolepiota excoriata*** (Schaeff.) M.M. Moser

HOST/SUBSTRATE/LOCALITY:

- Soil: Otrocz village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Macrolepiota mastoidea (Fr.) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest with large admixture of fir.

Macrolepiota procera (Scop.) SingerSYNONYMS: *Agaricus procerus* Scop., *Lepiota procera* (Scop.) Gray

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass and plant litter): Zwierzyniec town (Błoński 1896); Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Domański 1999a); Roztocze Środkowe region – without precise location (Sałata 1990); Czartowe Pole res. (Sałata 1991; Flisińska 2004); Batorz village, Maziarki wild., Otrocz village (Flisińska 2004); Florianka

Forester's lodge (LBL M-23757, 13 Aug. 2015, *leg.* M. Kozłowska). Cited by Chelchowski (1898), Sałata (1991), Flisińska (2004), Mułenko *et al.* (2013) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, fir forest, pine forest.

Macrolepiota rachodes ['*rhacodes*'] → *Chlorophyllum rachodes*

Macrotyphula R.H. Petersen

Macrotyphula filiformis → *Macrotyphula juncea*

Macrotyphula fistulosa (Holmsk.) R.H. Petersen

SYNONYMS: *Clavariadelphus fistulosus* (Holmsk.) Corner

HOST/SUBSTRATE/LOCALITY:

- *Alnus* sp.: Czartowe Pole res. (Sałata 1991; Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (fallen twigs and leaves): Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, alder forest, fir forest.

Macrotyphula juncea (Alb. & Schwein.) Berthier

SYNONYMS: *Clavariadelphus junceus* (Alb. & Schwein.) Corner, *Macrotyphula filiformis* (Bull.) Patersen

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen leaves): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a, also incorrectly after Wojewoda 2003).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Marasmiellus Murrill

Marasmiellus albocorticis ['*albuscorticus*'] → *Marasmiellus candidus*

Marasmiellus candidus (Fr.) Singer

SYNONYMS: *Marasmiellus albocorticis* Secr. ex Singer [as '*albuscorticus*']

HOST/SUBSTRATE/LOCALITY:

- Plant debris: Zwierzyniec town (Błoński 1896; Chelchowski 1898 – in both papers as *Marasmius candidus* Bolton). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: park.

Marasmiellus perforans → *Gymnopus perforans*

Marasmiellus ramealis (Bull.) SingerSYNONYMS: *Marasmius ramealis* (Bull.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Rotten twigs of deciduous trees: Krasnobród town (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991, also incorrectly after Sałata 1988), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Marasmius Fr.*Marasmius alliaceus* → *Mycetinis alliaceus**Marasmius androsaceus* → *Gymnopus androsaceus****Marasmius bulliardii*** Quél.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen needles): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (fallen leaves): Bukowa Góra res. (Sałata 1972; Antonín & Noordeloos 1993); Nart res., Obroc res. (Sałata 1972; Antonín & Noordeloos 1993). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.*Marasmius candidus* → *Marasmiellus candidus**Marasmius caryophylleus* → *Marasmius oreades****Marasmius cohaerens*** (Pers.) Cooke & Quél.

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous and deciduous trees: Bukowa Góra res., Obroc res. (Sałata 1972); Jarugi res. (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003) and Flisińska (2004).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Marasmius epiphyllus*** (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Fallen leaves: Florianka wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: alder forest, grassy places.

Marasmius lupuletorum → *Gymnopus dryophilus*

Marasmius oreades (Bolton) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Krasnobród town, Tomaszów Lubelski town, Zwierzyniec town (Błoński 1896, reported as *Marasmius caryophylleus* Schaeff. = *Marasmius oreades* Fr.); Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Olszanka village, Tarnawa Duża village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, fir forest, pine forest, grassy gladein forest, roadsides.

Marasmius perforans → ***Gymnopus perforans***

Marasmius prasiosmus (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Maziarki wild. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.

Marasmius ramealis → ***Marasmiellus ramealis***

Marasmius rotula (Scop.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen branches): Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Czerkies (Sałata 1972; Antonín & Noordeloos 1993). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Fallen leaves, rotten bark, twigs, trunks, logs and stumps of deciduous trees: Zwierzyniec town (Błoński 1896; Chełchowski 1898); Roztocze Środkowe region – without precise location (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988); Maziarki wild. (Sałata 1991; Flisińska 2004); Czerkies res., Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, fir forest, mixed forest.

Marasmius scorodonius → ***Mycetinis scorodonius***

Marasmius torquescens → ***Gymnopus dryophilus***

Marasmius wettsteinii Sacc. & P. Syd.

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res. (Antonín & Noordeloos 1993). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Marasmius wynneae Berk. & Broome [as 'wynnei']

HOST/SUBSTRATE/LOCALITY:

- Litter of herbaceous plants: Czerkies res., Nart res. (Sałata 1972); Obrocz res. (Sałata 1972; Antonín & Noordeloos 1993); Roztocze NP – without precise location (Sałata 1988). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Megacollybia Kotl. & Pouzar***Megacollybia platyphylla*** (Pers.) Kotl. & Pouzar

SYNONYMS: *Oudemansiella platyphylla* (Pers.) M.M. Moser

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten stumps): Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Fagus sylvatica*** L. (rotten stumps): Nart res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten wood of deciduous trees: Roztocze Środkowe region – without precise location (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988); Czartowe Pole res. (Sałata 1991); Olszanka village, Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Melampsora Castagne***Melampsora allii-fragilis*** Kleb.

HOST/SUBSTRATE/LOCALITY:

- ***Salix fragilis*** L.: Guciów village (Sałata 1991); Hrebenne village (LBL M-21519, 12 Aug. 1991, *leg. G. Granda*); Lubycza Królewska town (LBL M-21520, 4 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: bank of the Wieprz river, thickets by the Wieprz river, roadside.

Melampsora amygdalinae Kleb.

HOST/SUBSTRATE/LOCALITY:

- ***Salix triandra*** L. [= *Salix amygdalina* L.]: Guciów village (2 localities) (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: bank of the Wieprz river, thickets by the Wieprz river.

Melampsora caprearum Thüm.

SYNONYMS: *Melampsora laricis-caprearum* Kleb.

HOST/SUBSTRATE/LOCALITY:

- *Salix caprea* L.: Susiec village – Skwarki district (Romaszewska-Sałata 1974); Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Maziarki wild., Tomaszów Lubelski town, Zwierzyniec town (Sałata 1991); Florianka wild. (LBL M-21524, 18 July 1980, leg. J. Romaszewska-Sałata); Hrebennie village (LBL M-21523, 12 Aug. 1991, leg. G. Granda); Lubycza Królewska town (LBL M-21525, 4 Aug. 1991, leg. G. Granda). Cited by Sałata (1991) and Kozłowska *et al.* (2015b). NOTES: In the papers of Romaszewska-Sałata (1974, 1977) the fungus was reported as *Melampsora larici-caprearum* Kleb.
- *Salix* sp.: Roztocze NP – without precise location (Mułenko *et al.* 2013).

PLANT COMMUNITY/HABITAT: pine forests, mixed forests.

***Melampsora epitea* Thüm.**

HOST/SUBSTRATE/LOCALITY:

- *Salix caprea* L.: Florianka wild. (LBL M-23827, 18 July 1980, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Salix cinerea* L.: Guciów village, Kosobudy village, Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Salix purpurea* L.: Szczebrzeszyn town (LBL M-21528, 29 July 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Salix* sp.: Obroc res. (LBL M-21527, 11 July 1984, leg. J. Balicka). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets (also by the bank of river), bank of the Wieprz river, over the stream.

***Melampsora euphorbiae* (Ficinus & C. Schub.) Castagne**

SYNONYMS: *Melampsora helioscopiae* (Pers.) Cast.

HOST/SUBSTRATE/LOCALITY:

- *Euphorbia helioscopia* L.: Krasnobród town (Sałata & Romaszewska-Sałata 1968); Zwierzyniec town (Sałata 1991); Lubycza Królewska town (LBL M-21529, 4 Aug. 1991, leg. G. Granda). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: next to the quarry, roadsides.

Melampsora helioscopiae → *Melampsora euphorbiae*

Melampsora larici-caprearum → *Melampsora caprearum*

***Melampsora laricis-pentandrae* Kleb.**

HOST/SUBSTRATE/LOCALITY:

- *Salix pentandra* L.: Guciów village, Obroc village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets by the Wieprz river.

Melampsora laricis-populina Kleb.

HOST/SUBSTRATE/LOCALITY:

- ***Populus ×canadensis*** Moench: Kosobudy Forest Range, Zwierzyniec town – Biały Słup district (Sałata 1991); Lubycza Królewska town (LBL M-21532, 4 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Populus nigra*** L.: Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1968). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: by the roadsides.

Melampsora magnusiana G.H. Wagner

HOST/SUBSTRATE/LOCALITY:

- ***Corydalis capnoides*** (L.) Pers.: Batorz village [LBL M-23793, 20 May 1991, *leg. G. Granda*, as *Melampsora populnea* (Pers.) Karst.].
- ***Corydalis solida*** (L.) Clairv.: Czerkies res., Obroc res., Otroc village (Romaszewska-Sałata 1974); Roztocze region – without precise location [Majewski 1977, as *Melampsora populnea* (Pers.) Karst.]. Cited by Sałata (1991, as *Melampsora populnea*) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest.

Melampsora pinitorqua → ***Melampsora populnea******Melampsora populnea*** (Pers.) P. Karst.SYNONYMS: *Melampsora pinitorqua* Rostr.

HOST/SUBSTRATE/LOCALITY:

- ***Populus nigra*** L.: Lubycza Królewska town (LBL M-21533, 4 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Populus tremula*** L.: Majdan Górny village, Rybnica village near Susiec village (Romaszewska-Sałata 1974); Roztocze NP – without precise location (Romaszewska-Sałata 1981); Bukowa Góra res., Kamienna Góra wild., Maziarki wild., Obroc village, Stoki wild., Tomaszów Lubelski town, Zwierzyniec town (Sałata 1991); Bełżec village (LBL M-21535, 16 Aug. 1991, *leg. G. Granda*); Hrebenne village (LBL M-21536, 12 Aug. 1991, *leg. G. Granda*); Lubycza Królewska town (LBL M-21534, 12 Aug. 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest, deciduous forest, mixed forest, roadsides.

Melampsora populnea (on *Corydalis* spp.) → ***Melampsora magnusiana******Melampsorella*** J. Schröt.***Melampsorella caryophyllacearum*** (DC.) J. Schröt.SYNONYMS: *Aecidium elatinum* Alb. & Schwein.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill.: Forests of the Zamoyski family estate (Gordziałowski 1899); Topólcza village near Szczepczyszyn town (Sałata & Romaszewska-Sałata 1968); Roztocze Środkowe region – without precise location (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze region – without precise location (Sałata 2008). Cited by Kozłowska *et al.* (2015b).
- *Cerastium fontanum* Baumg.: Zwierzyniec town – near Stawy Echo ponds (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Stellaria media* (L.) Vill.: Bukowa Góra res. (Sałata 1991); Maziarki wild. (LBL M-23817, 18 July 1980, *leg. J. Romaszewska-Sałata*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Stellaria nemorum* L.: Czartowe Pole res. (Romaszewska-Sałata 1974; Majewski 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Stellario-Alnetum*, margin of fir forest, roadside in pine forest, by the path in beech and fir forests.

Melampsoridium Kleb.

Melampsoridium betulinum (Pers.) Kleb.

HOST/SUBSTRATE/LOCALITY:

- *Betula pendula* Roth [= *Betula verrucosa* Ehrh.]: Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1968); Majdan Górny village (Romaszewska-Sałata 1974); Jarugi res., Maziarki wild., Tomaszów Lubelski town (Sałata 1991); Bełżec village (LBL M-23818, 16 Aug. 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Betula pubescens* Ehrh.: Kruglik wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: various types of forests (incl. pine forest and mixed coniferous forest), forest glade, park.

Melanoleuca Pat.

Melanoleuca cognata (Fr.) Konrad & Maubl.

HOST/SUBSTRATE/LOCALITY:

- Soil: Nart res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, along a road.

Melanoleuca melaleuca (Pers.) Murrill

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Melanoleuca verrucipes (Fr.) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Sałata 1972). Cited by Sałata (1991), Domański (1997), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: grassy roadside in fir forest.

Meripilus P. Karst***Meripilus giganteus*** (Pers.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten trunks and close to rotten stumps): Bukowa Góra res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze NP – without precise location (Chmiel *et al.* 1994); Bukowa Góra Protected District – sect. 250g and 349d (Białobrzeska 2013); surroundings of Bliżów village, surroundings of Czarnowoda village (Białobrzeska & Szczepkowski 2014); Horodzisko Protected District – sect. 117c (2009, *pers. obs.* B. Radliński); Jarugi Protected District – sect. 66m (2009, *pers. obs.* J. Śliwiński); Kruglik Protected District – sect. 250g (2009, *pers. obs.* Z. Jawor). Cited by Wojewoda (2003), Flisińska (2004), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, fir-beech forest.***Merulius*** Haller***Merulius tremellosus*** Schrad.

HOST/SUBSTRATE/LOCALITY:

- Rotten logs and stumps of deciduous trees (incl. *Betula* sp., *Fagus sylvatica* L.): Czerkies res. (Sałata 1972); Florianka wild., Nart res., Obroc res. (Sałata 1991); Tokary village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.***Microbotryum*** Lév.***Microbotryum anomalum*** (J. Kunze ex G. Winter) VánkySYNONYMS: *Ustilago anomala* J. Kunze ex G. Winter

HOST/SUBSTRATE/LOCALITY:

- ***Polygonum hydropiper*** L.: Obroc res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside in fir forest.

Microbotryum kuehneanum (R. Wolff) VánkySYNONYMS: *Ustilago kuehneana* R. Wolff

HOST/SUBSTRATE/LOCALITY:

- *Rumex acetosella* L.: Florianka wild. (Romaszewska-Sałata 1982); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: glade in pine forest.

Microbotryum lychnidis-dioicae (DC. ex Liro) G. Deml & Oberw.

SYNONYMS: *Ustilago violacea* (Pers.) Roussel

HOST/SUBSTRATE/LOCALITY:

- *Melandrium album* (Mill.) Garcke: Zwierzyniec town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside.

Microbotryum violaceum (Pers.) G. Deml & Oberw.

SYNONYMS: *Ustilago violacea* (Pers.) Roussel

HOST/SUBSTRATE/LOCALITY:

- *Saponaria officinalis* L.: Roztocze NP – near Stawy Echo ponds (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets by the Tanew river, roadside.

Micromphale perforans → *Gymnopus perforans*

Mutinus Fr.

Mutinus caninus (Huds.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Roztocze Środkowe region – without precise location (Sałata 1990); Obroc res. (Sałata 1991; Flisińska 2004); Słupy Protected District – sect. 70g (Mułenko *et al.* 2013; 2007, *pers. obs. P. Marczakowski*). Cited by Białobrzaska (2013), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: beech forest.

Mycena (Pers.) Roussel

Mycena abramsii (Murrill) Murrill

SYNONYMS: *Mycena praecox* Velen.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Mycena acicula (Schaeff.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen twigs): Bukowa Góra res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Mycena adonis* → ***Atheniella adonis******Mycena alcalina*** (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten logs and stumps): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest.***Mycena amicta*** (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Among mosses: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Mycena amygdalina → ***Mycena filopes******Mycena aurantiomarginata*** (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen needles): Bukowa Góra res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.*Mycena avenacea* → ***Mycena olivaceomarginata******Mycena capillaris*** (Schumach.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen leaves): Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Mycena chlorinella → *Mycena leptoccephala**Mycena cinerella* (P. Karst.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Mycena crocata (Schrad.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen twigs and rotten wood): Roztocze Środkowe region – without precise location (Sałata 1969a, 1990); Bukowa Góra res., Czerkies res., Obroc res. (Skirgiełło 1970; Sałata 1972); Nart res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Mycena cyanipes Godey

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Mycena epipterygia (Scop.) Gray

SYNONYMS: *Mycena epipterygia* var. *viscosa* (Maire) Ricken, *Mycena viscosa* Secr. ex Maire

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten wood): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Plant debris (among mosses): Bukowa Góra res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten logs and stumps: Roztocze Środkowe region – without precise location (Sałata 1969a), Batorz village, Huta village, Olszanka village, Stoki wild., Tarnawa village, Tarnawa Duża village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, fir forest.

Mycena epipterygia var. *epipterygioides* → *Mycena epipterygioides*

Mycena epipterygia var. *viscosa* → *Mycena epipterygia*

Mycena epipterygioides A. PearsonSYNONYMS: *Mycena epipterygia* var. *epipterygioides* (A. Pearson) Kühner

HOST/SUBSTRATE/LOCALITY:

- Among *Sphagnum* sp. (mosses): Panasówka village (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Ledo-Sphagnetum*.***Mycena filopes*** (Bull.) P. Kumm.SYNONYMS: *Mycena amygdalina* (Pers.) Singer

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen leaves): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Mycena flavoalba* → *Atheniella flavoalba****Mycena galericulata*** (Scop.) Gray

HOST/SUBSTRATE/LOCALITY:

- Stumps of deciduous trees: Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991; Flisińska 2004); Zwierzyniec town (Domański 1999a). Cited by Flisińska (2004, also incorrectly from Czartowe Pole res. after Flisińska 1987) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest.

Mycena galopus (Pers.) P. Kumm. [as 'galopoda']

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous and deciduous trees (among mosses): Bukowa Góra res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Soil: Roztocze Środkowe region – without precise location (Sałata 1969a). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Mycena haematopus*** (Pers.) P. Kumm. [as 'haematopoda']

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten logs): Czerkies res., Nart res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Mycena inclinata (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Stump of deciduous trees: Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Mycena leptcephala (Pers.) GilletSYNONYMS: *Mycena chlorinella* (J.E. Lange) Singer

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Mycena leptophylla*** (Peck) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Zwierzyniec town (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Mycena luteoalcalina*** Singer

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Bukowa Góra res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004, as *Mycena renati* Quél.) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Mycena maculata*** P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Czerkies res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest.***Mycena megaspora*** Kauffman

HOST/SUBSTRATE/LOCALITY:

- Among *Sphagnum* sp. (mosses): surroundings of Panasówka village (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: peat bog.

Mycena metata (Fr.) P. Kumm.SYNONYMS: *Mycena phyllogena* (Pers.) Singer, *Mycena tenella* Quél.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen needles): Bukowa Góra res. (Sałata 1972; Flisińska 2004); Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Mycena niveipes*** (Murrill) Murrill

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten stumps): Czerkies res. (Sałata 1972); Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Mycena olivaceomarginata*** (Massee) MasseeSYNONYMS: *Mycena avenacea* (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1977, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: forest glade, meadow.

Mycena pelianthina (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Litter of deciduous trees: Bukowa Góra res. (Sałata 1972; Skirgień 1972); Czerkies res., Nart res., Obroc res. (Sałata 1972); Zwierzyniec town (Skirgień 1972); Maziarki wild. (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Soil: Roztocze Środkowe region – without precise location (Sałata 1969a). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest.*Mycena phyllogena* → ***Mycena metata******Mycena polyadelphina*** (Lasch) Kühner

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen leaves): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Mycena polygramma (Bull.) Gray

HOST/SUBSTRATE/LOCALITY:

- Among litter of deciduous trees: Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Tereszpól village (Domański 1999a). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Mycena praecox* → *Mycena abramsii***Mycena pseudocorticola*** Kühner

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten wood): Obroc res. (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Mycena pura (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (in litter of coniferous and deciduous trees): Roztocze Środkowe region – without precise location (Sałata 1969a): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Maziarki wild. (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Jarugi res., Olszanka village, Otrocz village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991) and Flisińska (2004, also incorrectly after Sałata 1968) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, fir forest.***Mycena purpureofusca*** (Peck) Sacc.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Bukowa Góra res., Obroc res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Mycena renati* → *Mycena luteoalcalina***

Mycena rorida (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Among mosses: Zwierzyniec town (Domański 1999a); Kruglik Forest Range (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Mycena rubromarginata (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen needles and twigs): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Mycena sanguinolenta*** (Alb. & Schwein.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous and deciduous trees: Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Mycena stylobates*** (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen leaves): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Mycena subalpina*** Höhn.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen branches): Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska [2004, as *Hydropus subalpinus* (Hoehn.) Sing.] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Mycena tenella* → *Mycena metata****Mycena viridimarginata*** P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Mycena viscosa → *Mycena epipterygia**Mycena vitilis* (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen branches and twigs): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, fir forest.

Mycena vulgaris (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen needles): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Mycena zephirus (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Florianka wild., Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Olszanka village, Stoki wild. (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, fir forest, pine forest.

Mycenastrum Desv.*Mycenastrum corium* (Guers.) Desv.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Rudnicka-Jeziarska 1991; Domański 1997); Zwierzyniec town – on dam located in Echo Fisch Farm ponds (Kujawa *et al.* 2004). Cited by Wojewoda (2003), Flisińska (2004), Kujawa *et al.* (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Mycetinis Earle*Mycetinis alliaceus* (Jacq.) Earle ex A.W. Wilson & Desjardin

SYNONYMS: *Marasmius alliaceus* (Jacq.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen twigs, rotten branches, logs and stumps): Bukowa Góra res. (Skirgień 1970; Sałata 1972); Czerkies res., Obroc res. (Skirgień 1970; Sałata 1972; Antonín & Noordeloos 1993); Nart res. (Sałata 1972); Jarugi res. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten leaves, twigs and trunks: Zwierzyniec town (Błoński 1896; Chelchowski 1898); Roztocze Środkowe region – without precise location (Sałata 1969a); Roztocze NP – without

precise location (Sałata 1988); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Czerkies res., Jarugi res., Nart res., Tarnawa village, Tokary village (Flisińska 2004). Cited by Skirgiełło (1970), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest.

Mycetinis scorodoni (Fr.) A.W. Wilson & Desjardin

SYNONYMS: *Marasmius scorodoni* (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (near roots of *Abies alba* Mill.): Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Litter of coniferous trees: Bukowa Góra res. (Sałata 1991; Antonín & Noordeloos 1993; Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, pine forest.

Myxomphalia Hora

Myxomphalia maura (Fr.) Hora

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Bukowa Góra res. (Sałata 1991; Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest

Naematoloma capnoides → ***Hypholoma capnoides***

Naematoloma fasciculare → ***Hypholoma fasciculare***

Naematoloma sublateritium → ***Hypholoma lateritium***

Naohidemyces S. Sato, Katsuya & Y. Hirats.

Naohidemyces vacciniorum (J. Schröt.) Spooner

SYNONYMS: *Pucciniastrum vaccinii* Jørst., *Thekopsora myrtillina* P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Vaccinium myrtillus*** L.: Bukowa Góra res., Obroc res., Zwierzyniec town – Rudka district (Sałata & Romaszewska-Sałata 1968); Kosobody village, Szum res. near Górecko village, Wólka Wieprzecka village, Zwierzyniec town (Romaszewska-Sałata 1974); Maziarki wild., Nart res., Stoki wild. (Sałata 1991); Beżec village (LBL M-21559, 16 Aug. 1991, *leg. G. Granda*); Florianka wild. (LBL M-21558, 18 July 1980, *leg. J. Romaszewska-Sałata*); Obroc res. (LBL M-21556, 5 Aug. 1984, *leg. J. Balicka*); Szastarka village (LBL M-21557, 28 May 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Vaccinium uliginosum*** L.: Borowina village near Józefów town (Sałata & Romaszewska-Sałata 1968); Obroc res. (Sałata & Romaszewska-Sałata 1968; Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

- *Vaccinium vitis-idaea* L.: near Nart res., Zwierzyniec town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: fir forest, pine forest, pine-fir forests, swampy forest, mixed forest, peat bog, thickets.

Naucoria (Fr.) P. Kumm.

Naucoria escharioides (Fr.) P. Kumm. [as 'escharoides']

HOST/SUBSTRATE/LOCALITY:

- Soil: Florianka wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: alder forest.

Naucoria scolecina (Fr.) Quéł.

HOST/SUBSTRATE/LOCALITY:

- Soil: Florianka wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Neoboletus Gelardi, Simonini & Vizzini

Neoboletus luridiformis (Rostk.) Gelardi, Simonini & Vizzini

SYNONYMS: *Boletus erythropus* (Fr.) Krombh., *Boletus luridiformis* Rostk.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Neolentinus Redhead & Ginns

Neolentinus adhaerens (Alb. & Schwein.) Redhead & Ginns

SYNONYMS: *Lentinus adhaerens* (Alb. & Schwein.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (logs): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten logs and stumps: Roztocze Środkowe region – without precise location (Sałata 1969a, 1990); Kruglik Forest Range (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Neolentinus cyathiformis (Schaeff.) Della Maggiora & TrassinelliSYNONYMS: *Lentinus cyathiformis* (Schaeff.) Bres.

HOST/SUBSTRATE/LOCALITY:

- Deciduous living trees: Lasowe ('Lasowce') near Stara Huta village (Wojewoda 2003). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Neolentinus lepideus (Fr.) Redhead & GinnsSYNONYMS: *Lentinus lepideus* (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (trunks, stumps): Bondyryz village, Krasnobród town [Błoński 1896, as *Lentinus squamosus* Schaeff. = *Lentinus lepideus* Fr.; Chelchowski 1898, as *Lentinus squamosus* (Schaeff.) Fr.]; Bukowa Góra res. (Sałata 1991); Stoki wild. (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli*-*Pinetum*, pine forest.***Nidularia*** Fr.***Nidularia deformis*** (Willd.) Fr.SYNONYMS: *Nidularia farcta* (Roth.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (fallen twigs): Bukowa Góra res. (Sałata 1991; Flisińska & Sałata 1998). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Nidularia farcta → ***Nidularia deformis****Nyctalis asterophora* → ***Asterophora lycoperdoides****Nyctalis lycoperdoides* → ***Asterophora lycoperdoides****Ochroporus benzoinus* → ***Ischnoderma benzoinum****Ochroporus fomentarius* → ***Fomes fomentarius****Ochroporus odoratus* → ***Gloeophyllum odoratum****Ochroporus perennis* → ***Coltricia perennis****Ochroporus pini* → ***Porodaedalea pini******Ochropsora*** Dietel***Ochropsora ariae*** (Fuckel) Ramsb.

HOST/SUBSTRATE/LOCALITY:

- ***Anemone nemorosa*** L.: Bukowa Góra res., Guciów village, Maziarki wild. (Sałata 1991); Kawęczynek village near Szczebrzeszyn town (LBL M-23795, 19 May 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

- *Anemone ranunculoides* L.: Guciów village (LBL M-23796, 13 May 1985, leg. J. Balicka).
- *Sorbus aucuparia* L. emend. Hedl.: Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: deciduous forest, mixed forest, thickets.

Oligoporus Bref.

Oligoporus alni (Niemelä & Vampola) Piątek

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (log): Czerkies res. [Sałata 1972, as *Tyromyces caesius* (Schrad.) Murrill]. Cited by Wojewoda (2003), Flisińska 2004 [as *Postia caesia* (Schrad. ex Fr.) Karst.] and Kozłowska *et al.* (2015a). NOTES: The herbarium specimen has not been revised, however in the monograph of Wojewoda (2003) it is reported as *Oligoporus alni* (Niemelä & Vampola) Piątek.

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Oligoporus stypticus → ***Postia stiptica***

Omphalina Quél.

Omphalina discorosea (Pilát) Herink & Kotl.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Bukowa Góra res. (Domański 1997). Cited by Domański (1999a), Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Omphalina ericetorum → ***Lichenomphalia umbellifera***

Omphalina pyxidata (Bull.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Zwierzyniec town (Domański 1997); near Obroc res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Quercus-Pinetum*, margin of pine forest (near the road).

Omphalina setipes (Fr.) Raithelh.

SYNONYMS: *Gerronema setipes* (Fr.) Singer, *Rickenella setipes* (Fr.) Raithelh.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Among mosses: Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Omphalina umbellifera → *Lichenomphalia umbellifera*

Oudemansiella Speg.

Oudemansiella mucida (Schrad.) Höhn.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten logs and stumps): Nart-Czerkies res., Zwierzyniec town (Skirgieńło 1970); Bukowa Góra res., Obroc res. (Skirgieńło 1970; Sałata 1972); Nart res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Roztocze Środkowe region – without precise location (Sałata 1990). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Oudemansiella platyphylla → ***Megacollybia platyphylla***

Oudemansiella radicata → ***Hymenopellis radicata***

Oxyporus (Bourdot & Galzin) Donk

Oxyporus corticola (Fr.) Ryvarden

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (mossy log): Obroc res. (Sałata 1991; Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest.

Panaeolus (Fr.) Quél.

Panaeolus acuminatus Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Wólka Batorska village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.

Panaeolus acuminatus → ***Panaeolus rickenii***

Panaeolus fimicola (Pers.) Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil: Tarnawa Duża village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.

Panaeolus fimiputris (Bull.) Quél.

SYNONYMS: *Agaricus fimiputris* Bull., *Anellaria fimiputris* (Bull.) P. Karst., *Anellaria semiovata* (Sowerby) A. Pearson & Dennis

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Zwierzyniec town (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: hotbed.

Panaeolus foeniseccii (Pers.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- Among grass: Zwierzyniec town and its surroundings (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: meadows.

Panaeolus papilionaceus (Bull.) Quél.

SYNONYMS: *Agaricus campanulatus* L., *Agaricus papilionaceus* Bull., *Chalymnota campanulata* (L.) P. Karst. [as 'Chalymotta'], *Chalymnota papilionacea* (Bull.) P. Karst. [as 'Chalymotta'], *Panaeolus sphinctrinus* (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores, soil, among grass: Zwierzyniec town (Błoński 1896; Chełchowski 1898; Domański 1999a); near Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Batorz village, Stoki wild. (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*, mixed forest, meadow, along forest road.

Panaeolus rickenii Hora

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1999a); Tarnawa Duża village (Flisińska 2004). Cited by Wojewoda [2003, as *Panaeolus acuminatus* (Schaeff.) Quél. ss. Bres.] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, margin of pine forest.

Panaeolus sphinctrinus → ***Panaeolus papilionaceus******Panaeolus subbalteatus*** (Berk. & Broome) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Among grass: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest.

Panellus P. Karst.***Panellus mitis*** (Pers.) Singer

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen branches): Bukowa Góra res., Czerkies res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Pinus sylvestris*** L. (twigs): Tokary village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Panellus serotinus*** (Pers.) Kühner

HOST/SUBSTRATE/LOCALITY:

- Branches and logs of deciduous trees: Roztocze NP – without precise location (Sałata 1988); Czartowe Pole res., Nart res., Obrocz res. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest, alder forest.

Panellus stipticus (Bull.) P. Karst. [as ‘*stypticus*’]SYNONYMS: *Lentinus stipticus* (Bull.) J. Schröt. [as ‘*stypticus*’], *Panus stipticus* (Bull.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten stumps): Obrocz res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten wood of deciduous trees (incl. *Alnus* sp., *Quercus* sp.): Zwierzyniec town (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Stumps and trees: Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Czartowe Pole res., Nart res., Szum res. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Panellus violaceofulvus*** (Batsch) Singer

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen branches): Bukowa Góra res., Obrocz res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Czartowe Pole res. (Flisińska & Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.*Panus stipticus* → ***Panellus stipticus****Panus tigrinus* → ***Lentinus tigrinus******Parasola*** Redhead, Vilgalys & Hopple

Parasola conopilus (Fr.) Örstadius & E. Larss.SYNONYMS: *Psathyrella conopilus* (Fr.) A. Pearson & Dennis, *Psathyrella subatrata* (Batsch) Gillet

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen twigs): Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Parasola hemerobia*** (Fr.) Redhead, Vilgalys & HoppleSYNONYMS: *Coprinus hemerobius* Fr.

HOST/SUBSTRATE/LOCALITY:

- Plant litter: Nart res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Parasola misera*** (P. Karst.) Redhead, Vilgalys & HoppleSYNONYMS: *Coprinus miser* P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Parasola plicatilis*** (Curtis) Redhead, Vilgalys & HoppleSYNONYMS: *Coprinus plicatilis* (Curtis) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Bondyrz village (Błoński 1896; Chełchowski 1898); Bukowa Góra res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Zwierzyniec town (Domański 1999a). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, margins of various types of forests.***Paxillus*** Fr.*Paxillus atrotomentosus* ['atro-tomentosus'] → *Tapinella atrotomentosa****Paxillus involutus*** (Batsch.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Florianka wild., Kruglik wild., Szum res. near Górecko village (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Huta village, Olszanka village, Otrocz village, Stoki wild., Tarnawa

village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004), Mułenko *et al.* (2013) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, fir forest.

Paxillus panuoides (Fr.) Fr. NOTES: The species was reported from surroundings of the Zwierzyniec town by Wojewoda (2003) after Błoński (1896). However, in the last publication the species was not listed from the Roztocze region.

Peniophora Cooke

Peniophora incarnata (Pers.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen twigs): Jarugi res. (Sałata 1991).
- Twigs of deciduous trees: Zagrody village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest.

Peniophora piceae (Pers.) J. Erikss.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen twigs): Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Peniophora quercina (Pers.) Cooke

HOST/SUBSTRATE/LOCALITY:

- *Quercus* sp. (dead branches): Jarugi res. (Sałata 1991; Flisińska 2004); Nart res. (Sałata 1991). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech-hornbeam forest, mixed forest.

Peniophora rufomarginata (Pers.) Bourdot & Galzin

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen twigs): Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

NOTES: According to Wojewoda (2003) occurrence of the fungus on *Fagus* is doubtful.

Perenniporia Murrill

Perenniporia medulla-panis (Jacq.) Donk

SYNONYMS: *Polyporus medulla-panis* (Jacq.) Pers., *Poria medullaris* Gray

HOST/SUBSTRATE/LOCALITY:

- Wood of deciduous trees (mainly *Quercus* sp.): Krasnobród town (Błoński 1896; Chełchowski 1898); Roztocze region – without precise location (Domański 1965). Cited by Wojewoda (2003), Flisińska (2004, incorrectly from Tomaszów Lubelski town) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Phaeolus (Pat.) Pat.***Phaeolus schweinitzii*** (Fr.) Pat.

SYNONYMS: *Polyporus schweinitzii* Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (trunks): Bukowa Góra res., Czerkies res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Pinus sylvestris*** L. (trunks and around trunks): Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004); Stoki wild. (Sałata 1991; Flisińska 2004); Olszanka village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, pine forest.

Phaeomarasmium muricatus → ***Flammulaster muricatus***

Phaeoporus applanatus → ***Ganoderma applanatum***

Phallus Junius ex L.***Phallus impudicus*** L.

HOST/SUBSTRATE/LOCALITY:

- Soil: Krasnobród town (Błoński 1896); Nart-Czerkies res. (Skirgień 1970); Obroc res. (Skirgień 1970; Sałata 1972; Flisińska 2004); Bukowa Góra res., Czerkies res., Nart res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Otrocz village, Tarnawa village (Flisińska 2004); Bukowa Góra Protected District – sect. 349, Słupy Protected District – sect. 166f (Białobrzaska 2013). Cited by Chełchowski (1898), Skirgień (1970), Sałata (1991), Wojewoda (2003), Flisińska (2004), Mufenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, thickets.

Phellinus Quél.*Phellinus conchatus* (Pers.) Quél.SYNONYMS: *Polyporus salicinus* (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004). Cited by Sałata (1991) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).

PLANT COMMUNITY/HABITAT: deciduous forest.

Phellinus hartigii (Allesch. & Schnabl) Pat.SYNONYMS: *Polyporus hartigii* Allesch. & Schnabl

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (logs and trunks): Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).
- *Picea abies* (L.) H. Karst.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004). Cited by Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).
- Trunk of coniferous tree: between Paary and Huta Szumy villages (Kujawa & Gierczyk 2011).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.*Phellinus igniarius* (L.) Quél.SYNONYMS: *Phellinus nigricans* (Fr.) P. Karst., *Polyporus igniarius* (L.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Carpinus betulus* L. (trunks): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (trunks): Bukowa Góra res. (Sałata 1972); Tokary village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Quercus* sp.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004). Cited by Sałata (1991) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).
- Logs and stumps of deciduous trees: Roztocze NP – without precise location (Sałata 1988); Jarugi res. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Phellinus nigricans → *Phellinus igniarius*

Phellinus pini → *Porodaedalea pini*

Phellinus robustus (P. Karst.) Bourdot & Galzin

HOST/SUBSTRATE/LOCALITY:

- ***Quercus*** sp. (living trunk): Czerkies res. (Domański *et al.* 1967). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Phellinus tremulae (Bondartsev) Bondartsev & P.N. Borisov

HOST/SUBSTRATE/LOCALITY:

- ***Populus tremula*** L. (logs, stumps): Obroc res. (Sałata 1972; Flisińska 2004); Maziarki wild. (Sałata 1991; Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, oak forest.

Phellodon P. Karst.

Phellodon connatus → *Phellodon melaleucus*

Phellodon melaleucus (Sw. ex Fr.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Panasówka village (Domański 1997); Teresopol village (Domański 1999a). Cited by Wojewoda [2003, as *Phellodon connatus* (Schultz ex Fr.) P. Karst.] and Kozłowska *et al.* (2015a).
- Soil (among litter of coniferous trees): Szum res. near Górecko village (Sałata 1991).

PLANT COMMUNITY/HABITAT: pine forest (incl. margin of the forest), swampy forest.

Phellodon tomentosus (L.) Banker

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town [Domański 1999a, as *Hydnellum tomentosum* (L.) Banker]. Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir and pine forests with admixture of spruce.

Phlebia Fr.

Phlebia centrifuga P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Trunks of dead coniferous trees: Nart-Czerkies res. (Wojewoda 2003). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest.

Phlebia livida (Pers.) Bres.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten logs and stumps): Bukowa Góra res., Obroczy res. (Sałata 1972, 1991); Czerkies res. (Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.NOTES: Sałata (1991) suggested that this fungus may belong to *Phlebia centrifuga*.***Phlebia radiata*** Fr.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (bark, logs, stumps, and trunks): Nart res. (Sałata 1972, 1991); Bukowa Góra res., Czerkies res. (Skirgiełło 1984; Sałata 1991); Roztocze NP – without precise location (Sałata 1988); Jarugi res. (Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Phlebiopsis*** Jülich***Phlebiopsis gigantea*** (Fr.) Jülich

HOST/SUBSTRATE/LOCALITY:

- Logs and stumps of coniferous trees (incl. *Abies alba* Mill., *Pinus sylvestris* L.): Bukowa Góra res., Jarugi res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: pine-fir forest, pine forest.

NOTES: Presence of the species needs to be confirmed. There are no associated collections available in the herbarium.

Phleogena Link***Phleogena faginea*** (Fr.) Link

HOST/SUBSTRATE/LOCALITY:

- Bark of dead trunks of deciduous trees: Nart res. (Sałata 1988, without precise location from Roztocze NP; Wojewoda & Komorowska 1997). Cited by Chmiel *et al.* (1994), Wojewoda *et al.* (1999), Wojewoda (2003), Flisińska (2004, from Kruglik Forest Range), Szczepkowski *et al.* (2008), Szczepkowski & Chachuła (2010), Kudławiec (2014) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest.

Pholiota (Fr.) P. Kumm.***Pholiota alnicola*** (Fr.) Singer

HOST/SUBSTRATE/LOCALITY:

- *Alnus* sp. (stump): Florianka wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Pholiota astragalina (Fr.) Singer

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stump): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Pholiota aurivella (Batsch) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten wood): Bukowa Góra res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (rotten wood): Bukowa Góra res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Coniferous and deciduous trees: Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Pholiota carbonaria → ***Pholiota highlandensis***

Pholiota flammans (Batsch) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (stump): Tereszpol village (Domański 1999a); Tarnawa village (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.

Pholiota highlandensis (Peck) Quadr. & Lunghini

SYNONYMS: *Pholiota carbonaria* (Fr.) Singer

HOST/SUBSTRATE/LOCALITY:

- Burnt ground: Bukowa Góra res. (Sałata 1991); Turzyniec village, Zwierzyniec town (Domański 1999a); Jarugi res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, pine forest.

Pholiota lenta (Pers.) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass and plant litter): near Obroc res. (Domański 1999a); Maziarki wild. (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, pine forest.

Pholiota lignicola → *Kuehneromyces vernalis*

Pholiota lubrica (Pers.) Singer

HOST/SUBSTRATE/LOCALITY:

- Among plant litter: Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.

Pholiota spumosa (Fr.) Singer

HOST/SUBSTRATE/LOCALITY:

- Rotten wood: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Pholiota squarrosa (Vahl) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (stump): Obrocz res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Pholiotina aporos → ***Conocybe aporos***

Pholiotina teneroides → ***Conocybe aporos***

Pholiotina togularis → ***Conocybe aporos***

Phragmidium Link

Phragmidium bulbosum (Fr.) Schldtl.

HOST/SUBSTRATE/LOCALITY:

- *Rubus caesius* L.: Zwierzyniec town – Rudka district (Sałata & Romaszewska-Sałata 1968). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Rubus gracilis* J. Presl & C. Presl [= *Rubus villicaulis* Köhler]: Józefów town (Sałata & Romaszewska-Sałata 1968; Majewski 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Rubus nessensis* Hall [= *Rubus suberectus* G. Anderson ex Sm.]: Lipowiec village near Zwierzyniec town (LBL M-23799, 20 July 1977, *leg. A. Poświatowska*).
- *Rubus plicatus* Weihe & Nees: Hutki village near Krasnobród town (Sałata & Romaszewska-Sałata 1968); Roztocze region – without precise location (Majewski 1977); Krasnobród town, Zwierzyniec town (Sałata 1991); Hrebenne village (LBL M-21537, 12 Aug. 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest, forest margin, thickets by the quarry.

Phragmidium fragariae G. Winter

HOST/SUBSTRATE/LOCALITY:

- *Potentilla alba* L.: Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: oak forest.

Phragmidium mucronatum (Pers.) Schldl.

HOST/SUBSTRATE/LOCALITY:

- *Rosa canina* L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Szastarka village (LBL M-21539, 8 July 1991, *leg. G. Granda*); Szczebrzeszyn town – Szperówka district (LBL M-21540, 25 Sept. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Rosa dumalis* Bechst. emend. Boulenger [= *Rosa caesia* Sm., *Rosa coriifolia* Fr.]: Brody village near Szczebrzeszyn town (Majewski 1977; Romaszewska-Sałata 1977). Cited by Kozłowska *et al.* (2015b).
- *Rosa rugosa* Thunb.: Lubycza Królewska town (LBL M-21538, 4 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside, by railway embankment.

Phragmidium mucronatum (on *Rosa agrestis*) → ***Phragmidium tuberculatum******Phragmidium potentillae*** (Pers.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Potentilla argentea* L.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1968). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: sandy roadsides.

Phragmidium poterii → ***Phragmidium sanguisorbae******Phragmidium rubi-idaei*** (DC.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- *Rubus idaeus* L.: Bukowa Góra res. (Sałata & Romaszewska-Sałata 1968); Rybnica village near Susiec village (Romaszewska-Sałata 1974); Guciów village, Jarugi res. (Sałata 1991); Bełzec village (LBL M-21542, 16 Aug. 1991, *leg. G. Granda*); Guciów village (LBL M-21543, 13 Aug. 1984, *leg. J. Balicka*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest, pine forest, thickets, gardens.

Phragmidium sanguisorbae (DC.) Schröt.SYNONYMS: *Phragmidium poterii* (Schltld.) Fock.

HOST/SUBSTRATE/LOCALITY:

- ***Sanguisorba minor*** Scop.: Józefów town (Sałata & Romaszewska-Sałata 1968); Brody village near Szczepieszyn town, Majdan Górny village (Romaszewska-Sałata 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fallow on limestone, wasteland on limestone.

Phragmidium tuberculatum Jul. Müll.

HOST/SUBSTRATE/LOCALITY:

- ***Rosa agrestis*** Savi: Zwierzyniec town (Romaszewska-Sałata 1974, as *Phragmidium mucronatum* Fr.; Majewski 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Rosa canina*** L.: Gorajec-Stara Wieś village (LBL M-21544, 1 Oct. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Rosa dumalis*** Bechst. emend. Boulenger [= *Rosa caesia* Sm.]: Roztocze region – without precise location (Majewski 1977).
- ***Rosa rubiginosa*** L.: Roztocze region – without precise location (Majewski 1977); Brody village near Szczepieszyn town (Romaszewska-Sałata 1977); Lubycza Królewska town (LBL M-21545, 4 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b).
- ***Rosa*** sp.: Nowiny village, Zwierzyniec town – Rudka district (Sałata & Romaszewska-Sałata 1968); Maziarki wild., Stoki wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest, roadside, near the fence.

Phragmidium violaceum (Schultz) G. Winter

HOST/SUBSTRATE/LOCALITY:

- ***Rubus gracilis*** J. Presl & C. Presl [= *Rubus villicaulis* Köhler ex Weihe]: Nowiny village, Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1968); Roztocze region – without precise location (Majewski 1977); Kosobudy village (Sałata 1991); Lipowiec village near Zwierzyniec town (LBL M-21549, 5 Oct. 1977, *leg. A. Poświatowska*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Rubus hirtus*** Waldst.: Maziarki wild. (Sałata 1991).
- ***Rubus plicatus*** Weihe & Nees: Józefów town (Majewski 1977); Bełżec village (LBL M-21546, 16 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b).
- ***Rubus sulcatus*** Vest: Guciów village (LBL M-21547, 9 Sept. 1984, *leg. J. Balicka*); Obroc res. (LBL M-21548, 20 Oct. 1984, *leg. J. Balicka*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: pine forest (incl. roadside), deciduous forest, roadside thickets, roadside ditch.

Phylloporus Quél.*Phylloporus pelletieri* → ***Phylloporus rhodoxanthus******Phylloporus rhodoxanthus*** (Schwein.) Bres.SYNONYMS: *Phylloporus pelletieri* (Lév.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Nart res. (Sałata 1972); Bukowa Góra res., Czerkies res. (Sałata 1972; Skirgiełło 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Lasowe ('Lasowce') near Stara Huta village (Ronikier 2005a). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004), Ronikier (2005a) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, by the path in mixed forest with beech and fir.***Phyllostopsis*** E.J. Gilbert & Donk ex Singer***Phyllostopsis nidulans*** (Pers.) Singer

HOST/SUBSTRATE/LOCALITY:

- Branches and stumps of coniferous trees (incl. *Abies alba* Mill., *Pinus sylvestris* L.) and deciduous trees (incl. *Fagus sylvatica* L.): Bukowa Góra res. (Sałata 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Kruglik Forest Range, Nart res., Obroc res. (Flisińska & Sałata 1991). Cited by Sałata (1990; 1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, fir forest, pine forest.*Piptoporus betulinus* → ***Fomitopsis betulina******Pleurotellus*** Fayod***Pleurotellus chioneus*** (Pers.) Kühner

HOST/SUBSTRATE/LOCALITY:

- Twigs of deciduous trees: Tarnawa Mała village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Pleurotus (Fr.) P. Kumm.***Pleurotus cornucopiae*** (Paulet) Roland

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L. (log): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Pleurotus dryinus (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten log): Obroc res. (Sałata 1972); Nart res. (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Pleurotus ostreatus*** (Jacq.) P. Kumm. var. ***ostreatus***

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (stump): Zagrody village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- ***Fagus sylvatica*** L. (logs, stumps and trunks): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.***Pleurotus ostreatus*** var. ***salignus*** (Pers.) Konr. & Maubl.SYNONYMS: *Pleurotus salignus* Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Populus tremula*** L. (log): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Pleurotus pulmonarius*** (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Trunks of deciduous trees: Bukowa Góra res., Obroc res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Pleurotus salignus → ***Pleurotus ostreatus*** var. ***salignus******Pluteus*** Fr.*Pluteus atricapillus* (on *Abies alba*) → ***Pluteus pouzarianus****Pluteus atricapillus* (on *Fagus sylvatica*) → ***Pluteus cervinus******Pluteus atromarginatus*** (Konrad) Kühner

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Jarugi res., Olszanka village

(Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Pluteus cervinus (Schaeff.) P. Kumm.

SYNONYMS: *Agaricus cervinus* Schaeff., *Pluteus atricapillus* (Batsch) Singer, *Rhodosporus cervinus* (Schaeff.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (logs, stumps): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Logs, stumps and trunks of deciduous trees: Zwierzyniec town (Błoński 1896; Chełchowski 1898); Roztocze Środkowe region – without precise location (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988); Czartowe Pole res. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Tarnawa Duża village, Tokary village, Wólka Batorska village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Pluteus granulatus → ***Pluteus plautus***

Pluteus luctuosus Boud.

HOST/SUBSTRATE/LOCALITY:

- Wood: Czerkies res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Pluteus lutescens → ***Pluteus romellii***

Pluteus nanus (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten logs and stumps): Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten wood: Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Czerkies res., Olszanka village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, fir forest.

Pluteus pellitus (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- ***Betula*** sp. (fallen branches): Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Pluteus plautus (Weinm.) GilletSYNONYMS: *Pluteus granulatus* Bres.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten stumps): Bukowa Góra res. (Sałata 1972). Cited by Gumińska (1981), Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.*Pluteus plautus* → ***Pluteus semibulbosus******Pluteus pouzarianus*** Singer

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten wood): Bukowa Góra res., Obroc res. [Sałata 1972, as *Pluteus atricapillus* (Batsch) Singer]; Czartowe Pole res. [Sałata 1991, as *Pluteus atricapillus* (Batsch) Singer]. Cited by Sałata (1991), Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir-beech forest.***Pluteus romellii*** (Britzelm.) Sacc.SYNONYMS: *Pluteus lutescens* (Fr.) Bres.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten stumps): Bukowa Góra res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Pluteus salicinus*** (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten stump): Nart res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Pluteus semibulbosus*** (Lasch) Quéf.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten stumps): Bukowa Góra res., Nart res. (Sałata 1972). Cited by Sałata (1991), Wojewoda [2003, as *Pluteus plautus* (Weinm.) Gillet], Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Pluteus thomsonii*** (Berk. & Broome) Dennis

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten stumps): Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Pluteus umbrosus (Pers.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten logs): Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Polyporus P. Micheli ex Adans.

Polyporus abietinus → ***Trichaptum abietinum***

Polyporus adustus → ***Bjerkandera adusta***

Polyporus amorphus → ***Skeletocutis amorpha***

Polyporus annosus → ***Heterobasidion annosum***

Polyporus applanatus → ***Ganoderma applanatum***

Polyporus arcularius (Batsch) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen twigs): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Fallen twigs of deciduous trees: Roztocze NP – near stawy Echo ponds, Hutki village near Krasnobród town (Sałata 1991).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, alder forest, beech forest.

Polyporus benzoinus → ***Ischnoderma benzoinum***

Polyporus betulinus → ***Fomitopsis betulina***

Polyporus borealis → ***Climacocystis borealis***

Polyporus brumalis (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Carpinus betulus* L. (rotten wood): Obroc res. (Sałata 1972). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (fallen twigs): Obroc res. (Sałata 1972); Jarugi res. (Sałata 1991). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- Fallen branches and twigs of deciduous trees: Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest.

Polyporus caudicinus → ***Laetiporus sulphureus***

Polyporus ciliatus Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen twigs): Bukowa Góra res. (Sałata 1972); Jarugi res. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Polyporus fomentarius → ***Fomes fomentarius***

Polyporus hartigii → ***Phellinus hartigii***

Polyporus igniarius → ***Phellinus igniarius***

Polyporus marginatus → ***Fomitopsis pinicola***

Polyporus medulla-panis → ***Perenniporia medulla-panis***

Polyporus melanopus (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen twigs): Czerkies res. (Sałata 1972); Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, fir forest.

Polyporus perennis → ***Coltricia perennis***

Polyporus pinicola → ***Fomitopsis pinicola***

Polyporus salicinus → ***Phellinus conchatus***

Polyporus schweinitzii → ***Phaeolus schweinitzii***

Polyporus stipticus → ***Postia stiptica***

Polyporus squamosus (Huds.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (trunk): Jarugi res. (Sałata 1991).
- ***Salix*** sp. (trunks): Zwierzyniec town (Sałata 1991; Mułenko *et al.* 2015).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Polyporus sulphureus → ***Laetiporus sulphureus***

Polyporus umbellatus (Pers.) Fr.

SYNONYMS: *Dendropolyporus umbellatus* (Pers.) Jülich

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (roots, stumps): Horodzisko wild., Jarugi res. (Flisińska & Sałata 1991; Sałata 1991). Cited by Flisińska (1995, 2004), Wojewoda (2003) and Kozłowska *et al.* (2015a).

- Roots of deciduous trees: Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze NP – without precise location (Chmiel *et al.* 1994); Tokary village (Flisińska 1995); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Słupy Protected District – sect. 101 (2016, *pers. obs. M. Petlicki*). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Polyporus vaporarius → ***Antrodia sinuosa***

Polyporus varius (Pers.) Fr.

SYNONYMS: *Polyporus varius* var. *nummularius* (Bull.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (twigs): Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- ***Fagus sylvatica*** L. (fallen twigs): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Jarugi res. (Sałata 1991; Flisińska 2004); Maziarki wild., Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Polyporus varius var. *nummularius* → ***Polyporus varius***

Polyporus zonatus → ***Trametes ochracea***

Poria medullaris → ***Perenniporia medulla-panis***

Porodaedalea Murrill

Porodaedalea pini (Brot.) Murrill

SYNONYMS: *Ochroporus pini* Thore, *Phellinus pini* (Brot.) Bondartsev & Singer, *Trametes pini* (Thore) Britzelm

HOST/SUBSTRATE/LOCALITY:

- ***Picea abies*** (L.) H. Karst.: Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004). Cited by Sałata (1991) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).
- ***Pinus sylvestris*** L. (old trees): Zwierzyniec town (Błoński 1896; Chełchowski 1898); Forests of the Zamoyski family estate – Tomaszów Lubelski town (Gordziałowski 1899; Flisińska 2004); Tereszpol village (Domański 1999a). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Gordziałowski (1899) as ‘Forests of the Zamoyski family estate’ was reported more precisely, as Tomaszów Lubelski town in the paper by Flisińska (2004).

PLANT COMMUNITY/HABITAT: coniferous forest.

Porphyrellus porphyrosporus → ***Tylopilus porphyrosporus***

Porphyrellus pseudoscaber → ***Tylopilus porphyrosporus***

Porpoloma Singer

Porpoloma pes-caprae (Fr.) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze region – without precise location (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: grassy place.

Postia Fr.

Postia caesia (Schrad.) P. Karst.

SYNONYMS: *Tyromyces caesius* (Schrad.) Murrill

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten logs and stumps): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Czartowe Pole res., Nart res., Stoki wild. (Sałata 1991). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest, pine forest, moist mixed forest.

Postia caesia (on *Fagus sylvatica*) → ***Oligoporus alni***

Postia stiptica (Pers.) Jülich

SYNONYMS: *Polyporus stipticus* Pers., *Tyromyces stipticus* (Pers.) Kotl. & Pouzar

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (dead branches, logs and stumps): Bukowa Góra res. (Sałata 1972); Czerkies res., Czartowe Pole res. (Sałata 1991). Cited by Sałata (1991), Wojewoda [2003, as *Oligoporus stypticus* (Pers. ex Fr.) Gilbertson & Ryvarden], Flisińska (2004) and Kozłowska *et al.* (2015a).
- Trunks of deciduous trees: Krasnobród town, Tomaszów Lubelski town (Błoński 1896; Chelchowski 1898). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Wood: Olszanka village, Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Postia subcaesia (A. David) Jülich

HOST/SUBSTRATE/LOCALITY:

- ***Alnus*** sp. (branches): Czartowe Pole res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: alder forest.

Protostropharia Redhead, Moncalvo & Vilgalys***Protostropharia luteonitens*** (Fr.) RedheadSYNONYMS: *Psilocybe luteonitens* (Fr.) Park.-Rhodes, *Stropharia luteonitens* (Fr.) Quél. [as 'luteo-nitens']

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: surroundings of Zwierzyniec town (Domański 1997); Tereszpol village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: on forest road.

Protostropharia semiglobata (Batsch) Redhead, Moncalvo & VilgalysSYNONYMS: *Stropharia semiglobata* (Batsch ex Fr.) Quél

HOST/SUBSTRATE/LOCALITY:

- Dung of herbivores: Prof. Zygmunt Czubiński Reserve, Tokary village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*.***Psathyrella*** (Fr.) Quél.***Psathyrella candolleana*** (Fr.) Maire

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: forest margin.

Psathyrella conopilus → ***Parasola conopilus******Psathyrella cotonea*** (Quél.) Konrad & Maubl.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (stump): near Obroc res. (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Psathyrella fusca (J.E. Lange) A. Pearson

HOST/SUBSTRATE/LOCALITY:

- Among litter of deciduous trees: Bukowa Góra res., Czerkies res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Psathyrella hydrophila* → ***Psathyrella piluliformis***

Psathyrella murcida (Fr.) Kits van Wav.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze region – without precise location (Domański 1997); Turzyniec village (Domański 1999a). Cited by Wojewoda (2003), Ronikier (2007) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, pine forest with admixture of beech and fir.

Psathyrella obtusata (Pers.) A.H. Sm.

HOST/SUBSTRATE/LOCALITY:

- Litter of deciduous trees: Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Psathyrella piluliformis (Bull.) P.D. Orton

SYNONYMS: *Psathyrella hydrophila* (Bull.) Maire

HOST/SUBSTRATE/LOCALITY:

- Soil: Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Batorz village, Olszanka village, Tarnawa village (Flisińska 2004). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Psathyrella spadicea (P. Kumm.) Singer

HOST/SUBSTRATE/LOCALITY:

- Stumps of deciduous trees: Roztocze NP – without precise location (Sałata 1988). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Psathyrella spadiceogrisea (Schaeff.) Maire [as '*spadiceo-grisea*']

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten wood): Nart res., Obroc res. (Sałata 1972); Maziarki wild. (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

NOTES: According to Wojewoda (2003) the record of Sałata is doubtful.

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Psathyrella sphagnicola (Maire) J. Favre

HOST/SUBSTRATE/LOCALITY:

- Among *Sphagnum* sp. (mosses): Panasówka village (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Ledo-Sphagnetum*.

Psathyrella spintrigera (Fr.) Konrad & Maubl.

HOST/SUBSTRATE/LOCALITY:

- Soil: Panasówka village and its surroundings (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: young pine forest.

Psathyrella subatrata → ***Parasola conopilus******Psathyrella trepida*** (Fr.) Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: grassy roadside in *Abietetum polonicum*.*Psathyrella velutina* → ***Lacrymaria lacrymabunda******Pseudoboletus*** Šutara***Pseudoboletus parasiticus*** (Bull.) ŠutaraSYNONYMS: *Boletus parasiticus* Bull., *Xerocomus parasiticus* (Bull.) Quél.

HOST/SUBSTRATE/LOCALITY:

- ***Scleroderma citrinum*** Pers. [= *Scleroderma aurantium* sensu auct.] (fungi; fruit bodies): Fryszarka village near Józefów town, Obroc village, Zwierzyniec town (Sałata 1967); Obroc res. (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988); Roztocze Środkowe region – without precise location (Sałata 1990); Bełżec Forest Range – sect. 161 and 162 (Kukielka & Rozwałka 2004); Bukowa Góra Protected District – sect. 204j, 348a,d, 349c, 355a (2007, *pers. obs. J. Mazur*), sect. 246 and 247 (2010, *pers. obs. P. Marczakowski*). Cited by Sałata (1969a, 1991), Szczepka (1983), Piątek (1998), Wojewoda (2003), Flisińska (2004), Szczepkowski & Byk (2010), Białobrzeska (2013), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Cladonio-Pinetum*, *Quercu roboris-Pinetum*, pine-fir forest.***Pseudochaete*** T. Wagner & M. Fisch.***Pseudochaete tabacina*** (Sowerby) T. Wagner & M. Fisch.SYNONYMS: *Hymenochaete tabacina* (Sowerby) Lév.

HOST/SUBSTRATE/LOCALITY:

- ***Alnus*** sp. (stump): Florianka wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991; Flisińska 2004). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Pseudoclitocybe (Singer) Singer***Pseudoclitocybe cyathiformis*** (Bull.) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest.

Pseudocraterellus Corner***Pseudocraterellus sinuosus*** → ***Pseudocraterellus undulatus******Pseudocraterellus undulatus*** (Pers.) RauschertSYNONYMS: *Pseudocraterellus sinuosus* (Fr.) Corner

HOST/SUBSTRATE/LOCALITY:

- Soil: Maziarki wild., Nart res. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Ponikwy village, Tarnawa village (Flisińska & Sałata 1998). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, mixed coniferous forests.***Pseudohydnum*** P. Karst.***Pseudohydnum gelatinosum*** (Scop.) P. Karst.SYNONYMS: *Tremellodon gelatinosus* (Scop.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten logs and stumps): Bukowa Góra res., Obroc res. (Skirgiełło 1970; Sałata 1972); Czerkies res. (Sałata 1972); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Wojewoda (1979), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Picea abies*** (L.) H. Karst. (mossy logs and stumps): Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015a).
- ***Pinus sylvestris*** L. (mossy logs and stumps): Roztocze NP – without precise location (Chmiel *et al.* 1994); Stoki wild., Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- Rotten wood of coniferous trees (branches, logs, stumps): Roztocze Środkowe region – without precise location (Sałata 1969a, as *Tremellodon gelatinosum*); Czartowe Pole res. (Wojewoda 1979); Roztocze NP – without precise location (Sałata 1988); Florianka wild., Nart res. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Obroc res., Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*.

Pseudomerulius* Jülich**Pseudomerulius aureus* (Fr.) Jülich**

HOST/SUBSTRATE/LOCALITY:

- Rotten wood of coniferous trees (incl. *Pinus sylvestris* L.): Panasówka village (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Pseudoomphalina* (Singer) Singer**Pseudoomphalina compressipes* (Peck) Singer**

HOST/SUBSTRATE/LOCALITY:

- Burnt ground (among *Funaria hygrometrica* Hedw.; mosses): Zwierzyniec town (Domański 1997). Cited by Wojewoda [2003, as *Pseudoomphalina kalchbrenneri* (Bres.) Singer] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Pseudoomphalina kalchbrenneri → ***Pseudoomphalina compressipes******Psilocybe* (Fr.) P. Kumm.***Psilocybe coronilla* → ***Stropharia coronilla******Psilocybe crobula* (Fr.) Singer**

HOST/SUBSTRATE/LOCALITY:

- Wood: Maziarki wild. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: mixed forest.

Psilocybe ericaea → ***Hypholoma ericaeum****Psilocybe inuncta* → ***Stropharia inuncta****Psilocybe luteonitens* → ***Protostropharia luteonitens****Psilocybe melanosperma* → ***Stropharia melanosperma******Psilocybe phyllogena* (Sacc.) Peck**SYNONYMS: *Psilocybe rhombispora* (Britzelm.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res. (Sałata 1972); Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Tilio-Carpinetum*.

Psilocybe polytrichi → ***Hypholoma polytrichi***
Psilocybe rhombispora → ***Psilocybe phyllogena***

Psilocybe semilanceata (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margins of various types of forests, meadows.

Psilocybe squamosa → ***Leratiomyces squamosus***
Psilocybe subericaea → ***Hypholoma subericaeum***
Psilocybe uda → ***Bogbodia uda***

Puccinia Pers.

Puccinia absinthii → ***Puccinia tanacetii***

Puccinia acetosae (Schumach.) Körn.

HOST/SUBSTRATE/LOCALITY:

- ***Rumex acetosa*** L.: Bukowa Góra res., Guciów village, Obroc village (Sałata 1991); Gorajec Zagroble village near Szczebreszyn town (LBL M-21612, 2 Sept. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: various types of meadows, roadsides.

Puccinia aegopodii (Schumach.) Link

HOST/SUBSTRATE/LOCALITY:

- ***Aegopodium podagraria*** L.: Bukowa Góra res., Jarugi res., Pasieki village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: beech forest, roadside.

Puccinia aethusae → ***Puccinia nitida***

Puccinia albescens Grev.

HOST/SUBSTRATE/LOCALITY:

- ***Adoxa moschatellina*** L.: Czerkies res. (Sałata & Romaszewska-Sałata 1968; Majewski 1979); Roztocze NP – without precise location (Romaszewska-Sałata 1981; Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir-beech forest.

Puccinia allii → ***Puccinia porri***

Puccinia angelicae (Schumach.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- *Selinum carvifolia* (L.) L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets on meadow.

Puccinia angelicae (on *Peucedanum cervaria*) → ***Puccinia cervariae******Puccinia arenariae*** (Schumach.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- *Dianthus barbatus* L.: Tomaszów Lubelski town (Sałata 1991).
- *Melandrium album* (Mill.) Garcke: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Moehringia trinervia* (L.) Clairv.: Czartowe Pole res., Rybnica village near Susiec village (Romaszewska-Sałata 1974); Czerkies res., Guciów village, Horodzisko wild., Jarugi res. (Sałata 1991); Florianka wild. (LBL M-21619, 18 July 1980, *leg. J. Romaszewska-Sałata*); Hrebenne village (LBL M-21618, 25 Oct. 1989, *leg. A. Dudzik*); Lubycza Królewska town (LBL M-21616, 4 Aug. 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Spergularia rubra* (L.) J. Presl & C. Presl: Huta Różaniecka village (Majewski 1979).
- *Stellaria holostea* L.: Bukowa Góra res. (Kochman & Sałata 1980); Czerkies res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Stellaria nemorum* L.: Czartowe Pole res., Czerkies res. (Romaszewska-Sałata 1974). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Stellario-Alnetum*, alder forest, beech-fir forest, deciduous forest, mixed forest, meadow, garden.NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Chmiel *et al.* (1994) and Mufenko *et al.* (2015).***Puccinia argentata*** (Schultz) G. WinterSYNONYMS: *Puccinia impatientis* Ficinus & C. Schub., *Puccinia noli-tangere* Corda [as ‘*noli-tangeris*’]

HOST/SUBSTRATE/LOCALITY:

- *Impatiens noli-tangere* L.: Bondyż village (Sałata & Romaszewska-Sałata 1968); Bukowa Góra res., Jarugi res., Obrocż village (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir-beech forest, thickets.

Puccinia asarina Kunze

HOST/SUBSTRATE/LOCALITY:

- *Asarum europaeum* L.: Czerkies res., Obrocż res. (Sałata & Romaszewska-Sałata 1968); Czartowe Pole res. (Romaszewska-Sałata 1974); Jarugi res., Maziarki wild., Nart res., Obrocż

village, Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Bukowa Góra res. (LBL M-21620, 12 Sept. 1980, *leg. J. Romaszewska-Sałata*); Szczepieszyn town – Szperówka district (LBL M-21621, 2 July 1977, *leg. A. Poświatowska*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest, deciduous forests, mixed forest by banks of the Wieprz river.

Puccinia asperulae-odoratae → ***Puccinia punctata***

Puccinia baryi → ***Puccinia brachypodii***

Puccinia behenis G.H. Otth

HOST/SUBSTRATE/LOCALITY:

- ***Melandrium album*** (Mill.) Garcke: Batorz village (LBL M-21624, 10 July 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets.

Puccinia brachypodii G.H. Otth

SYNONYMS: *Puccinia baryi* (Berk. & Broome) G. Winter, *Puccinia poae-nemoralis* G.H. Otth

HOST/SUBSTRATE/LOCALITY:

- ***Anthoxanthum odoratum*** L.: Obroc village (Sałata 1991).
- ***Brachypodium pinnatum*** (L.) P. Beauv.: Goraj village (Romaszewska-Sałata 1974); Roztocze region – without precise location (Majewski 1979). Cited by Kozłowska *et al.* (2015b).
- ***Brachypodium sylvaticum*** (Huds.) P. Beauv. [= *Brachypodium sylvaticum* (Huds.) Roem. & Schult.]: Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Poa pratensis*** L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: oak forest, glade in beech forest (limestone slope), meadow.

Puccinia bromina → ***Puccinia recondita***

Puccinia calcitrapae DC.

SYNONYMS: *Puccinia carduorum* Jacky, *Puccinia cirsii* Lasch

HOST/SUBSTRATE/LOCALITY:

- ***Arctium minus*** (Hill.) Bernh.: Kosobudy village (Sałata 1991); Bełzec village (LBL M-21625, 16 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Carduus acanthoides*** L.: Brody village near Szczepieszyn town (Romaszewska-Sałata 1974); Majdan Górny village (Romaszewska-Sałata 1977); Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

- *Carduus crispus* L.: Kosobudy village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Cirsium oleraceum* (L.) Scop.: Czartowe Pole res. (Romaszewska-Sałata 1974); Obroc village (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Cirsium rivulare* (Jacq.) All.: Józefów town (Sałata & Romaszewska-Sałata 1968); Guciów village (Sałata 1991); Szczepreszyn town (LBL M-21628, 29 July 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: forest margin, herbaceous plants near the river, meadows, roadside thickets.

Puccinia carduorum → *Puccinia calcitrapae*

***Puccinia caricina* DC.**

HOST/SUBSTRATE/LOCALITY:

- *Carex hirta* L.: Jarugi res., Obroc village (Sałata 1991); Batorz village (LBL M-21589, 25 July 1991, *leg. G. Granda*); Hrebenne village (LBL M-21630, 25 Oct. 1989, *leg. A. Dudzik*); Szastarka village (LBL M-21592, 23 June 1991, *leg. G. Granda*); Żyłka village near Bełżec village (LBL M-21631, 25 Oct. 1989, *leg. A. Dudzik*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Carex pilosa* Scop.: Czerkies res., Jarugi res., Nart res., Stoki wild. (Sałata 1991).
- *Carex riparia* Curtis: Obroc village (Sałata 1991).
- *Ribes nigrum* L.: Obroc village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Urtica dioica* L.: Guciów village, Jarugi res., Zwierzyniec town (Sałata 1991); Szczepreszyn town (LBL M-21634, 29 July 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: deciduous forests, mixed forest, roadside in beech forest, meadows, thickets, roadside.

***Puccinia carthami* Corda**

SYNONYMS: *Puccinia centaureae* DC.

HOST/SUBSTRATE/LOCALITY:

- *Centaurea scabiosa* L.: Majdan Górny village (Romaszewska-Sałata 1977); Biała Góra hill near Tomaszów Lubelski town (LBL M-19615, 30 Sept. 1971, *leg. J. Romaszewska-Sałata*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic grassland on limestone slope.

Puccinia centaureae → *Puccinia carthami*

Puccinia cervariae Lindr.

HOST/SUBSTRATE/LOCALITY:

- *Peucedanum cervaria* (L.) Lapeyr.: Majdan Górny village (Romaszewska-Sałata 1977); Roztocze region – without precise location [Majewski 1979, as *Puccinia angelicae* (Schumacher.) Fuckel]; Biała Góra hill near Tomaszów Lubelski town (LBL M-19615, 30 Sept. 1971, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic grassland on limestone slope.

Puccinia chaerophylli Purton

HOST/SUBSTRATE/LOCALITY:

- *Anthriscus sylvestris* (L.) Hoffm.: Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Chaerophyllum aromaticum* L.: Maziarki wild. (LBL M-21635, 18 July 1980, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: oak forest (incl. roadside).

Puccinia chamaedryos Ces.

HOST/SUBSTRATE/LOCALITY:

- *Teucrium chamaedrys* L.: Brody village near Szczebrzeszyn town, Majdan Górny village (Romaszewska-Sałata 1977); Roztocze region – without precise location (Majewski 1979); Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: rocky roadside.

Puccinia chondrillae → ***Puccinia maculosa******Puccinia chrysosplenii*** Grev.

HOST/SUBSTRATE/LOCALITY:

- *Chrysosplenium alternifolium* L.: Bukowa Góra res., Czerkies res. (Sałata & Romaszewska-Sałata 1968); Susiec village – Skwarki district (Romaszewska-Sałata 1974); Guciów village, Jarugi res., Nart res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: alder forest, beech forest, beech-fir forest, meadow.

Puccinia cichorii → ***Puccinia hieracii******Puccinia circaeae*** Pers.

HOST/SUBSTRATE/LOCALITY:

- *Circaea alpina* L.: Bukowa Góra res., Horodyszczce wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1968); Roztocze region – without precise location (Majewski 1979);

Czerkies res., Jarugi res., Nart res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

- *Circaea lutetiana* L.: Bukowa Góra res. (Sałata & Romaszewska-Sałata 1968; LBL M-21642 and LBL M-21643, 12 Sept. 1980, *leg. J. Romaszewska-Sałata*); Czerkies res. (Sałata & Romaszewska-Sałata 1968); Maziarki wild., Nart res., Obroc res. (Sałata 1991); Lubycza Królewska town (LBL M-21641, 4 Aug. 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest, fir forest with admixture of beech, beech forest, beech-fir forest, deciduous forest.

***Puccinia circaeae-caricis* Hasler**

HOST/SUBSTRATE/LOCALITY:

- *Circaea alpina* L.: Florianka wild. (LBL M-21638 and LBL M-21639, 18 July 1980, *leg. J. Romaszewska-Sałata*).
- *Circaea lutetiana* L.: Bukowa Góra res. (LBL M-21644, 12 Sept. 1980, *leg. J. Romaszewska-Sałata*).

PLANT COMMUNITY/HABITAT: fir-beech forest.

Puccinia cirsii → ***Puccinia calcitrapae***

Puccinia cirsii-lanceolati → ***Puccinia cnici***

***Puccinia cnici* H. Mart.**

SYNONYMS: *Puccinia cirsii-lanceolati* J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- *Cirsium arvense* (L.) Scop.: Obroc village (LBL M-23829, 18 July 1980, *leg. J. Romaszewska-Sałata*).
- *Cirsium vulgare* (Savi) Ten. [= *Cirsium lanceolatum* (L.) Scop.]: Górecko Kościelne village, Józefów town, Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1968); Bukowa Góra res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: forest margin, thickets by the quarry, roadsides.

***Puccinia cnici-oleracei* Pers.**

HOST/SUBSTRATE/LOCALITY:

- *Artemisia vulgaris* L.: Guciów village (LBL M-21651, 25 Oct. 1984, *leg. J. Balicka*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Cirsium oleraceum* (L.) Scop.: Czartowe Pole res. (Romaszewska-Sałata 1974; Majewski 1979). Cited by Sałata (1991), Wołczańska (1994) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Stellario-Alnetum* by the river, thickets by the bank of river.

Puccinia coronata CordaSYNONYMS: *Puccinia gibberosa* Lagerh.

HOST/SUBSTRATE/LOCALITY:

- *Arrhenatherum elatius* (L.) P. Beauv. ex J. Presl. & C. Presl: Brody village near Szczebrzeszyn town, Majdan Górny village (Romaszewska-Sałata 1977); Guciów village (Sałata 1991); Hrebenne village (LBL M-21611, 20 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b).
- *Avena sativa* L.: Bełżec village (LBL M-21594, 12 July 1991, *leg. G. Granda*); Topólcza village near Szczebrzeszyn town (LBL M-21646, 26 July 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Calamagrostis arundinacea* (L.) Roth: Czartowe Pole res. (Romaszewska-Sałata 1974); Roztocze NP – without precise location (Kochman & Sałata 1980); Czerkies res., Kruglik wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Calamagrostis epigejos* (L.) Roth: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Kruglik wild., Zwierzyniec town (Sałata 1991); Żyłka village near Bełżec village (LBL M-21647, 25 Oct. 1989, *leg. A. Dudzik*). Cited by Kozłowska *et al.* (2015b).
- *Deschampsia cespitosa* (L.) P. Beauv.: Obrocz village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Elymus repens* (L.) Gould [= *Agropyron repens* (L.) P. Beauv.]: Guciów village, Kosobudy village (Sałata 1991); Hrebenne village (LBL M-21595, 12 Aug. 1991, *leg. G. Granda*).
- *Festuca altissima* All. [= *Festuca sylvatica* (Poll.) Vill.]: Kosobudy village (Romaszewska-Sałata 1974); Roztocze NP – without precise location (Romaszewska-Sałata 1981; Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Festuca gigantea* (L.) Vill.: Czartowe Pole res. (Romaszewska-Sałata 1974); Bukowa Góra res., Jarugi res., Maziarki wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Frangula alnus* Mill. [= *Rhamnus frangula* L.]: Guciów village, Jarugi res., Roztocze NP – near Stawy Echo ponds, Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).
- *Glyceria maxima* (Hartm.) Holmb. [= *Glyceria aquatica* (L.) Wahlenb.]: Obrocz village (Sałata 1991); Żyłka village near Bełżec village (LBL M-21649, 25 Oct. 1989, *leg. A. Dudzik*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Holcus lanatus* L.: Szczebrzeszyn town (LBL M-21610, 29 July 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Holcus mollis* L.: Lubycza Królewska town (LBL M-21593, 4 Aug. 1991, *leg. G. Granda*).
- *Lolium perenne* L.: Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Phalaris arundinacea* L.: Guciów village, Kruglik wild., Obrocz village (Sałata 1991); Żyłka village near Bełżec village (LBL M-23822, 25 Oct. 1989, *leg. A. Dudzik*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Poa nemoralis* L. s. str.: Czarnystok village near Szczebrzeszyn town (LBL M-23828, 8 Feb. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

- *Rharmnus cathartica* L.: Brody village near Szczepieszyn town (Romaszewska-Sałata 1977); Kosobudy village (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).
- *Secale cereale* L.: Batorz village (LBL M-23791, 30 June 1991, *leg. G. Granda*).

PLANT COMMUNITY/HABITAT: alder forest, fir forest, oak forest, pine forest, pine forest with admixture of fir, mixed forest, glade in fir forest, forests margins, near water ditch, pasture, meadows, thickets (on meadow and in other places), roadsides, farmland.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Romaszewska-Sałata (1981), Chmiel *et al.* (1994) and Mułenko *et al.* (2015).

***Puccinia cyani* Pass.**

HOST/SUBSTRATE/LOCALITY:

- *Centaurea cyanus* L.: Lubyca Królewska town (LBL M-21652, 4 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: wheat cultivation.

***Puccinia dioicae* Magnus**

HOST/SUBSTRATE/LOCALITY:

- *Taraxacum officinale* F.H. Wigg.: Kamienna Góra wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: forest road.

Puccinia epilobii-tetragoni → ***Puccinia pulverulenta***

Puccinia falcariae → ***Puccinia sii-falcariae***

***Puccinia galii-vernii* Ces.**

SYNONYMS: *Puccinia valantiae* Pers.

HOST/SUBSTRATE/LOCALITY:

- *Cruciata glabra* (L.) Ehrend. [= *Galium vernum* Scop.]: Czerkies res., Obroc res., Stokowa Góra wild. near Kosobudy village, Zwierzyniec town (Sałata & Romaszewska-Sałata 1968); Goraj village, Hamernia village (Romaszewska-Sałata 1974); Brody village near Szczepieszyn town (Romaszewska-Sałata 1977); Bukowa Góra res., Jarugi res., Kamienna Góra wild., Maziarki wild., Nart res., Obroc res., Stoki wild. (Sałata 1991); Batorz village (LBL M-21654, 10 July 1991, *leg. G. Granda*); Szczepieszyn town (LBL M-21655, 29 July 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Galium mollugo* L.: Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: beech-fir forest, fir forest, pine forest, deciduous forests, mixed forest, meadow.

Puccinia gibberosa → *Puccinia coronata*

***Puccinia glechomatis* DC.**

HOST/SUBSTRATE/LOCALITY:

- ***Glechoma hederacea*** L.: Bukowa Góra res., Jarugi res., Kamienna Góra wild., Stoki wild., Susiec village (Sałata 1991); Batorz village (LBL M-21656, 10 July 1991, *leg. G. Granda*); Guciów village (LBL M-21659 and LBL M-21661, 25 Oct. 1984, *leg. J. Balicka*); Obrocz res. (LBL M-21658, 27 July 1984, *leg. J. Balicka*); Żyłka village near Bełzec village (LBL M-21660, 25 Oct. 1989, *leg. A. Dudzik*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadsides (in pine forest, deciduous forest and in other places), wet meadow, thickets.

Puccinia glumarum → *Puccinia striiformis*

***Puccinia graminis* Pers.**

HOST/SUBSTRATE/LOCALITY:

- ***Agrostis capillaris*** L.: Stoki wild. (Sałata 1991).
- ***Berberis vulgaris*** L.: Maziarki wild., Tomaszów Lubelski town (Sałata 1991); Batorz village (LBL M-21662, 23 May 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Calamagrostis epigejos*** (L.) Roth: Lubycza Królewska town (LBL M-21600, 4 Aug. 1991, *leg. G. Granda*); Szczebrzeszyn town (LBL M-21596, 29 July 1991, *leg. G. Granda*).
- ***Deschampsia cespitosa*** (L.) P. Beauv.: Kruglik wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Elymus repens*** (L.) Gould [= *Agropyron repens* (L.) P. Beauv.]: Borowina village near Józefów town (Sałata & Romaszewska-Sałata 1968); Kamienna Góra wild. (Sałata 1991); Szastarka village (LBL M-21598, 30 June 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Hordeum vulgare*** L.: Bełzec village (LBL M-21599, 20 Aug. 1991, *leg. G. Granda*).
- ***Lolium perenne*** L.: Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Poa compressa*** L.: Majdan Górny village (Romaszewska-Sałata 1977); Biała Góra hill near Tomaszów Lubelski town (Majewski 1979). Cited by Kozłowska *et al.* (2015b).
- ***Secale cereale*** L.: Hrebenne village (LBL M-21597, 12 July 1991, *leg. G. Granda*).

PLANT COMMUNITY/HABITAT: various types of forests (incl. alder, oak and fir forests), forest glades, thickets (also by railway track), roadsides, farmland, flowerbed.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Romaszewska-Sałata (1981) and Mułenko *et al.* (2015). Kozłowska *et al.* (2015b) incorrectly cited this fungus on *Poa nemoralis* L. from herbarium LBL specimen.

Puccinia helianthi Schwein.

HOST/SUBSTRATE/LOCALITY:

- *Helianthus annuus* L.: Tomaszów Lubelski town (Sałata 1991).

PLANT COMMUNITY/HABITAT: garden.

Puccinia hieracii (Röhl.) H. Mart.SYNONYMS: *Puccinia cichorii* (DC.) Belynck, *Puccinia leontodontis* Jacky, *Puccinia picridis* Hazsl., *Puccinia piloselloidearum* Probst, *Puccinia taraxaci* Plowr.

HOST/SUBSTRATE/LOCALITY:

- *Centaurea jacea* L.: Guciów village, Zwierzyniec town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Cichorium intybus* L.: Zwierzyniec town (Romaszewska-Sałata 1974); Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Zagroble village near Szczebrzeszyn town (LBL M-21637, 20 July 1977, *leg. A. Poświatowska*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Hieracium bauhinii* Schult. [= *Hieracium praealtum* Vill. ex Gochnat subsp. *bauhinii* (Besser) Petun.]: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1975); Roztocze region – without precise location (Majewski 1979). Cited by Romaszewska-Sałata (1977) and Kozłowska *et al.* (2015b).
- *Hieracium caespitosum* Dumort [= *Hieracium pratense* Tausch]: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1975; Majewski 1979). Cited by Romaszewska-Sałata (1977) and Kozłowska *et al.* (2015b).
- *Hieracium lachenalii* C.C. Gmel.: Czarnystok village near Szczebrzeszyn town (LBL M-21665, 15 Sept. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Hieracium murorum* L.: Horodyszczcze wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1968); Czerkies res., Maziarki wild. (Sałata 1991); Florianka wild. (LBL M-21666 and LBL M-21667, 18 July 1980, *leg. J. Romaszewska-Sałata*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Hieracium umbellatum* L.: Topólcza village near Szczebrzeszyn town (LBL M-21669, 3 July 1977, *leg. A. Poświatowska*).
- *Leontodon autumnalis* L.: Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Leontodon hispidus* L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Florianka wild. (LBL M-21670, 18 July 1980, *leg. J. Romaszewska-Sałata*). Cited by Kozłowska *et al.* (2015b).
- *Picris hieracioides* L.: Majdan Górny village (Romaszewska-Sałata 1977). Cited by Kozłowska *et al.* (2015b).
- *Taraxacum officinale* F.H. Wigg.: Hamernia village (Sałata & Romaszewska-Sałata 1968); Majdan Górny village (Romaszewska-Sałata 1977); Bukowa Góra res., Kamienna Góra wild., Obroc village, Zwierzyniec town (Sałata 1991); Guciów village (LBL M-21673, 18 Oct. 1984,

leg. J. Balicka; LBL M-21674, 24 Oct. 1984, leg. J. Balicka); Siedliska village (LBL M-21671, 6 Aug. 1991, leg. G. Granda); Werchrata village (LBL M-23823, 30 June 1992, leg. B. Hypiak). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest, pine forest, mixed forest, xerothermic grassland, bank of the Wieprz river, meadows, roadside thickets, roadsies, balk.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Romaszewska-Sałata (1981) and (Chmiel *et al.* 1994).

Puccinia holcina → ***Puccinia hordei***

Puccinia hordei G.H. Otth

SYNONYMS: *Puccinia holcina* Erikss.

HOST/SUBSTRATE/LOCALITY:

- ***Holcus lanatus*** L.: Obroc village (Sałata 1991).
- ***Hordeum vulgare*** L.: Jeziernia village near Tomaszów Lubelski town (Sałata 1991); Szastarka village (LBL M-21601, 25 May 1991, leg. G. Granda).

PLANT COMMUNITY/HABITAT: meadow, farmland.

Puccinia impatientis → ***Puccinia argentata***

Puccinia komarovii Tranzschel

HOST/SUBSTRATE/LOCALITY:

- ***Impatiens parviflora*** DC.: Tomaszów Lubelski town (Sałata 1991); Lubycza Królewska town (LBL M-21676, 4 Aug. 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: forest, garden.

Puccinia lampsanae → ***Puccinia lapsanae***

Puccinia lapsanae Fuckel

HOST/SUBSTRATE/LOCALITY:

- ***Lapsana communis*** L.: Zwierzyniec town – Biały Słup district [Sałata & Romaszewska-Sałata 1968, as *Puccinia lampsanae* (Schultz) Fuckel]; Bełżec village, Kosobudy village, Stoki wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: by the quarry, roadsides.

Puccinia leontodontis → ***Puccinia hieracii***

***Puccinia luzulae* Lib.**

HOST/SUBSTRATE/LOCALITY:

- *Luzula pilosa* (L.) Willd.: Bukowa Góra res., Hamernia village, Kruglik wild., Obroc res. (Sałata & Romaszewska-Sałata 1968); Czartowe Pole res., Paary village (Romaszewska-Sałata 1974); Czerkies res., Maziarki wild., Nart res., Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Lubycza Królewska town (LBL M-21680, 27 July 1991, *leg. G. Granda*); Nart-Czerkies res. (LBL M-21682, 12 Sept. 1980, *leg. J. Romaszewska-Sałata*); Wywłoczka village near Szczebrzeszyn town (LBL M-21679, 12 July 1977, *leg. A. Poświatowska*); Żyłka village near Bełżec village (LBL M-21683, 25 Oct. 1989, *leg. A. Dudzik*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest, pine forest, mixed forests.

***Puccinia maculosa* Schwein.**SYNONYMS: *Puccinia chondrillae* Corda

HOST/SUBSTRATE/LOCALITY:

- *Mycelis muralis* (L.) Dumort.: Górecko Kościelne village, Horodyszczce wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1968); Potoczek village near Krasnobród town (Romaszewska-Sałata 1974); Bukowa Góra res. (2 localities), Czartowe Pole res., Jarugi res., Maziarki wild., Obroc res. (Sałata 1991); Florianka wild. (LBL M-21734, 18 July 1980, *leg. J. Romaszewska-Sałata*); Szczebrzeszyn town (LBL M-21686, 25 July 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, beech forest, beech-fir forest, fir forest, oak-hornbeam forest, mixed forest, thickets.***Puccinia magnusiana* Körn.**

HOST/SUBSTRATE/LOCALITY:

- *Phragmites australis* (Cav.) Trin. ex Steud. [= *Phragmites communis* Trin.]: Obroc village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: bullrush by the Wieprz river.

***Puccinia malvacearum* Bertero ex Mont.**

HOST/SUBSTRATE/LOCALITY:

- *Alcea rosea* L. [= *Althea rosea* L.]: Szczebrzeszyn town (LBL M-21688, 29 July 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Malva neglecta* Wallr.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1968); Bełżec village (LBL M-21689, 16 Aug. 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Malva sylvestris* L.: Hamernia village (Romaszewska-Sałata 1974); Jarugi res., Kosobudy village (Sałata 1991); Horodyszczce wild. near Kosobudy village (LBL M-21815, 31 May 1980, *leg. T. Brach*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside, city square, at the fence.

Puccinia mei-mamillata Semadeni

HOST/SUBSTRATE/LOCALITY:

- ***Polygonum bistorta*** L.: Guciów village, Obrocz village (Sałata 1991); Szczepieszyn town (LBL M-21690, 26 July 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: meadows.

Puccinia melicae P. Syd. & Syd.

HOST/SUBSTRATE/LOCALITY:

- ***Melica nutans*** L.: Jarugi res., Kruglik wild., Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: beech forests, oak forests, mixed forests.

Puccinia menthae Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Acinos arvensis*** (Lam.) Dandy [= *Calamintha acinos* (L.) Clairv.]: Józefów town (Sałata & Romaszewska-Sałata 1968). Cited by Romaszewska-Sałata (1977), Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Clinopodium vulgare*** L. [= *Calamintha vulgaris* (L.) Druce]: Kruglik wild., Krzywe wild. near Kosobody village (Sałata & Romaszewska-Sałata 1968); Maziarki wild., Stoki wild. (Sałata 1991); Zaburze village near Szczepieszyn town (LBL M-21692, 1 Sept. 1977, *leg. A. Poświatowska*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Mentha aquatica*** L.: Nowiny village (Sałata & Romaszewska-Sałata 1968); Zwierzyniec town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, also incorrectly after Romaszewska-Sałata 1977).
- ***Mentha arvensis*** L.: Bukowa Góra res., Kamienna Góra wild., Maziarki wild., Stoki wild., Tomaszów Lubelski town (Sałata 1991).
- ***Mentha longifolia*** (L.) L.: Guciów village (2 localities) (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Mentha pulegium*** L.: Hrebenne village (LBL M-21695, 12 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Nepeta cataria*** L.: Szczepieszyn town (LBL M-21696, 29 July 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Origanum vulgare*** L.: Jarugi res. (Sałata & Romaszewska-Sałata 1968); Kosobody village (Majewski 1979). Cited by Romaszewska-Sałata (1977), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest on limestone, mixed forest, forest glade, dry thickets, herbaceous plants by the Wieprz river, meadow, by ditch on meadow, roadsides, wastelands.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Romaszewska-Sałata (1981) and Mułenko *et al.* (2015).

Puccinia molinia Tul. & C. Tul.SYNONYMS: *Puccinia nemoralis* Juel

HOST/SUBSTRATE/LOCALITY:

- ***Molinia caerulea*** (L.) Moench. [= *Molinia caerulea* (L.) Moench]: Józefów town (Sałata & Romaszewska-Sałata 1968); Obroc village (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: wet pine forest, wet meadow.

Puccinia nemoralis → ***Puccinia molinia******Puccinia nigrescens*** L.A. Kirchn.

HOST/SUBSTRATE/LOCALITY:

- ***Salvia verticillata*** L.: Brody village near Szczebrzeszyn town, Majdan Górny village (Romaszewska-Sałata 1977); Hrebenne village (LBL M-21697, 12 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: sandy roadside.

Puccinia nitida (F. Strauss) BarclaySYNONYMS: *Puccinia aethusae* H. Mart.

HOST/SUBSTRATE/LOCALITY:

- ***Aethusa cynapium*** L.: Obroc village (Romaszewska-Sałata 1974). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: stubble.

Puccinia noli-tangere ['*noli-tangeris*'] → ***Puccinia argentata******Puccinia obscura*** J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Luzula multiflora*** (Retz.) Lej.: Kosobudy village (Sałata & Romaszewska-Sałata 1968; Majewski 1979). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Luzula pilosa*** (L.) Willd.: Zwierzyniec town (Sałata 1991); Topólcza village near Szczebrzeszyn town (LBL M-21698, 22 July 1977, *leg. A. Poświatowska*); Żyłka village near Bełżec village (LBL M-21683, 25 Oct. 1989, *leg. A. Dudzik*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: pine forest.

Puccinia opizii Bubák

HOST/SUBSTRATE/LOCALITY:

- *Mycelis muralis* (L.) Dumort.: Bukowa Góra res., Jarugi res., Obroc res. (Sałata 1991); Roztocze NP – without precise location (Romaszewska-Sałata 1981; Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech-fir forest, beech-hornbeam forest.

Puccinia oreoselini (F. Strauss) Körn.

HOST/SUBSTRATE/LOCALITY:

- *Peucedanum oreoselinum* (L.) Moench: Kosobudy village (Romaszewska-Sałata 1974); Obroc village, Tomaszów Lubelski town, Zwierzyniec town (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest, thickets.

Puccinia perplexans → ***Puccinia recondita****Puccinia persistens* → ***Puccinia recondita******Puccinia phragmitis*** (Schumach.) Körn.

HOST/SUBSTRATE/LOCALITY:

- *Phragmites australis* (Cav.) Trin. ex Steud. [= *Phragmites communis* Trin.]: Obroc village (2 localities) (Sałata 1991); Hrebenne village (LBL M-21604, 20 Aug. 1991, leg. G. Granda); Szczebrzeszyn town (LBL M-21603, 29 July 1991, leg. G. Granda); Zaborze village near Szczebrzeszyn town (LBL M-21702, 15 Aug. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Rumex hydrolapathum* Huds.: Szczebrzeszyn town (LBL M-21703, 25 June 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: near water ditch, meadows, bulrushes by the Wieprz river, oxbow lake of the river.

Puccinia picridis → ***Puccinia hieracii****Puccinia piloselloidearum* → ***Puccinia hieracii******Puccinia pimpinellae*** (F. Strauss) Link

HOST/SUBSTRATE/LOCALITY:

- *Pimpinella major* (L.) Huds.: Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1968); Bukowa Góra res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Pimpinella saxifraga* L.: Krzywe wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1968); Hamernia village (Romaszewska-Sałata 1974); Majdan Górny village (Romaszewska-Sałata 1977); Bukowa Góra res., Susiec village, Zwierzyniec town (Sałata 1991); Czarnystok

village near Szczebrzeszyn town (LBL M-21705, 3 Sept. 1977, *leg. A. Poświatowska*); Tarnawa village (LBL M-21704, 16 Aug. 1977, *leg. T. Bartnik*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: margin of grassy pine forest, forest glades (incl. young pine forest and in other types of forests), meadow, roadsides.

Puccinia poae-nemoralis → *Puccinia brachypodii*

Puccinia poarum Nielsen

HOST/SUBSTRATE/LOCALITY:

- *Tussilago farfara* L.: Majdan Górny village (Romaszewska-Sałata 1977); Guciów village, Kamienna Góra wild., Maziarki wild., Obroc res. (2 localities), Stoki wild. (Sałata 1991); Batorz village (LBL M-21709, 10 July 1991, *leg. G. Granda*); Lubycza Królewska town (LBL M-21708, 4 Aug. 1991, *leg. G. Granda*); Szastarka village (LBL M-21509, 23 May 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: forest margin, by water ditch, wet thickets, roadsides, roadside ditch.

Puccinia polygoni → *Puccinia polygoni-amphibii*

Puccinia polygoni-amphibii Pers.

SYNONYMS: *Puccinia polygoni* Alb. & Schw.

HOST/SUBSTRATE/LOCALITY:

- *Fallopia convolvulus* (L.) Á. Löve [= *Bilderdykia convolvulus* (L.) Dumort., *Polygonum convolvulus* L.]: Kosobody village (Sałata 1991); Bełżec village (LBL M-21715, 16 Aug. 1991, *leg. G. Granda*); Lubycza Królewska town (LBL M-21713, 4 Aug. 1991, *leg. G. Granda*); Szczebrzeszyn town (LBL M-21714, 15 Aug. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Geranium palustre* L.: Szczebrzeszyn town (LBL M-21712, 29 July 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Polygonum amphibium* L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside thickets, edge of the drainage ditch, meadow, farmland, fallow.

Puccinia porri (Sowerby) G. Winter

SYNONYMS: *Puccinia allii* (DC.) F. Rudolphi

HOST/SUBSTRATE/LOCALITY:

- *Allium porrum* L.: Lubycza Królewska town (LBL M-21613, 4 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: farmland.

Puccinia pulsatillae Kalchbr.

HOST/SUBSTRATE/LOCALITY:

- *Anemone sylvestris* L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Roztocze region – without precise location (Majewski 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic communities.

Puccinia pulverulenta Grev.SYNONYMS: *Puccinia epilobii-tetragoni* G. Winter

HOST/SUBSTRATE/LOCALITY:

- *Epilobium hirsutum* L.: Nowiny village (Sałata & Romaszewska-Sałata 1968); Guciów village, Obrocz village, Zwierzyniec town – near Stawy Echo ponds (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: herbaceous plants by the Wieprz river.

Puccinia punctata LinkSYNONYMS: *Puccinia asperulae-odoratae* Wurth

HOST/SUBSTRATE/LOCALITY:

- *Galium mollugo* L.: Brody village near Szczebrzeszyn town, Majdan Górny village (Romaszewska-Sałata 1977); Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).
- *Galium odoratum* (L.) Scop. [= *Asperula odorata* L.]: Potoczek village near Krasnobród town (Sałata & Romaszewska-Sałata 1968); Czerkies res., Maziarki wild. (Sałata 1991). Cited by Romaszewska-Sałata (1974, 1977), Sałata (1991) and Kozłowska *et al.* (2015b).
- *Galium rivale* (Sibth. & Sm.) Griseb.: Guciów village, Obrocz village (Sałata 1991); Batorz village (LBL M-21719, 10 July 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Galium verum* L.: Majdan Górny village (Romaszewska-Sałata 1977); Obrocz village (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest, deciduous forest, forest glades, thickets (also near the bank of river).

Puccinia punctiformis (F. Strauss) Röhl.SYNONYMS: *Puccinia suaveolens* (Pers.) Rostr.

HOST/SUBSTRATE/LOCALITY:

- *Cirsium arvense* (L.) Scop.: Kawęczyn village near Szczebrzeszyn town, Lipowiec village near Zwierzyniec town (Sałata & Romaszewska-Sałata 1968); Bukowa Góra res., Guciów village, Ulów village (Sałata 1991); Gorajec-Stara Wieś village (LBL M-21727, 10 Aug. 1977, *leg. A. Poświatowska*); Hrebenne village (LBL M-21722, 12 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadsides, farmlands, fallow.

Puccinia pygmaea Erikss.

HOST/SUBSTRATE/LOCALITY:

- *Agrostis capillaris* L. [= *Agrostis vulgaris* With.]: Szczebrzeszyn town (LBL M-21606, 29 July 1991, leg. G. Granda).
- *Calamagrostis epigejos* (L.) Roth: Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1968); near Nart res. (Sałata 1991); Lubycza Królewska town (LBL M-21605, 14 Aug. 1991, leg. G. Granda). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: margin of pine forest, meadow, thickets, roadside.

Puccinia recondita Roberge ex Desm.SYNONYMS: *Puccinia bromina* Erikss., *Puccinia perplexans* Plowr., *Puccinia persistens* Plowr., *Puccinia triticina* Erikss.

HOST/SUBSTRATE/LOCALITY:

- *Alopecurus pratensis* L.: Obrocz village (Sałata 1991).
- *Anchusa officinalis* L.: Lubycza Królewska town (LBL M-21723, 4 Aug. 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Aquilegia vulgaris* L.: Tomaszów Lubelski town (Sałata 1991).
- *Bromus hordeaceus* L. [= *Bromus mollis* L.]: Obrocz village (Sałata 1991); Hrebenne village (LBL M-21590, 20 Aug. 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Bromus inermis* Leyss: Guciów village (Sałata 1991).
- *Elymus repens* (L.) Gould [= *Agropyron repens* (L.) P. Beauv.]: Hrebenne village (LBL M-21602, 12 Aug. 1991, leg. G. Granda).
- *Milium effusum* L.: Stoki wild. (Sałata 1991).
- *Pulmonaria obscura* Dumort.: Łosiniec village (Sałata 1991).
- *Secale cereale* L.: Szastarka village (LBL M-21607, 10 June 1991, leg. G. Granda).
- *Triticum vulgare* L.: Jeziernia village near Tomaszów Lubelski town (Sałata 1991); Szastarka village (LBL M-21609, 28 May 1991, leg. G. Granda).

PLANT COMMUNITY/HABITAT: young oak forest, mixed forest, meadow, roadside, roadside ditch, farmland, garden.

Puccinia saniculae Grev.

HOST/SUBSTRATE/LOCALITY:

- *Sanicula europaea* L.: Horodyszczce wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1968); Potoczek village near Krasnobród town (Romaszewska-Sałata 1974); Maziarki wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, beech-fir forest, oak forest.

Puccinia sessilis J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Convallaria majalis*** L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Maianthemum bifolium*** (L.) F.W. Schmidt: Czerkies res., Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Phalaris arundinacea*** L.: Kruglik wild. (Sałata 1991); Roztocze NP – without precise location (Romaszewska-Sałata 1981; Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).
- ***Platanthera bifolia*** (L.) Rich.: Maziarki wild. (Wołczańska 2008). Cited by Kozłowska *et al.* (2015b).
- ***Polygonatum odoratum*** (Mill.) Druce: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: alder forest, beech forest, beech-fir forest, forest margin, meadow, thickets (also on roadsides).

Puccinia sii-falcariae (Pers.) J. Schröt.SYNONYMS: *Puccinia falcariae* (Pers.) Fuckel

HOST/SUBSTRATE/LOCALITY:

- ***Falcaria vulgaris*** Bernh.: Kosobudy village (Romaszewska-Sałata 1974); Roztocze region – without precise location (Majewski 1979). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadsides, balks.

Puccinia striiformis Westend.

HOST/SUBSTRATE/LOCALITY:

SYNONYMS: *Puccinia glumarum* (J.C. Schmidt) Erikss. & Henning

- ***Hordeum vulgare*** L.: Gorajec-Stara Wieś village (LBL M-23824, 16 July 1977, *leg. A. Poświętowska*).
- ***Triticum vulgare*** L.: Szastarka village (LBL M-21608, 8 July 1991, *leg. G. Granda*).

PLANT COMMUNITY/HABITAT: farmland.

Puccinia suaveolens → ***Puccinia punctiformis***

Puccinia tanacetii DC.SYNONYMS: *Puccinia absinthii* (Hedwig) DC.

HOST/SUBSTRATE/LOCALITY:

- ***Artemisia absinthium*** L.: Adamów village (Sałata & Romaszewska-Sałata 1968). Cited by Kozłowska *et al.* (2015b).
- ***Artemisia vulgaris*** L.: Adamów village, Guciów village, Ulów village (Sałata 1991); Hrebenne village (LBL M-21728, 12 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadsides, balk, wastelands.

NOTES: The collection needs revision, because according to *Index Fungorum*, *Puccinia absinthii* DC. is the synonym of *Puccinia chrysanthemi* Roze.

Puccinia taraxaci → ***Puccinia hieracii***

Puccinia triticina → ***Puccinia recondita***

Puccinia valantiae → ***Puccinia galii-vernii***

Puccinia variabilis Greville

HOST/SUBSTRATE/LOCALITY:

– ***Taraxacum officinale*** F.H. Wigg.: Szastarka village (LBL M-23826, 7 Aug. 1991, *leg. G. Granda*).

PLANT COMMUNITY/HABITAT: meadow.

Puccinia veronicae (Schumach.) G. Winter

HOST/SUBSTRATE/LOCALITY:

– ***Veronica montana*** L.: Bukowa Góra res., Czerkies res., Obroc res. (Sałata & Romaszewska-Sałata 1968); Nart res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest.

Puccinia violae (Schumach.) DC.

HOST/SUBSTRATE/LOCALITY:

– ***Viola collina*** Besser: Roztocze region – without precise location (Majewski 1979). Cited by Kozłowska *et al.* (2015b).

– ***Viola hirta*** L.: Goraj village (Sałata & Romaszewska-Sałata 1968); Brody village near Szczepieszyn town, Majdan Górny village (Romaszewska-Sałata 1977); Roztocze region – without precise location (Majewski 1979); Szczepieszyn town – Szperówka district (LBL M-21729, 5 Aug. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b).

– ***Viola mirabilis*** L.: Kosobudy village (Romaszewska-Sałata 1974); Roztocze region – without precise location (Majewski 1979); Maziarki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994, on *Viola* sp.). Cited by Romaszewska-Sałata (1977) and Kozłowska *et al.* (2015b).

– ***Viola odorata*** L.: Tomaszów Lubelski town (Sałata 1991).

– ***Viola reichenbachiana*** Jord. ex Boreau [= *Viola silvestris* Rchb.]: Bukowa Góra res., Kruglik wild., Obroc res., Zwierzyniec town (Sałata & Romaszewska-Sałata 1968); Czartowe Pole res., Kosobudy village, Majdan Górny village (Romaszewska-Sałata 1974); Czerkies res., Jarugi res., Maziarki wild., Nart res., Tomaszów Lubelski town (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994, on *Viola* sp.); Bełżec village (LBL M-21731, 16 Aug. 1991, *leg. G. Granda*); Florianka wild. (LBL M-21732, 18 July 1980, *leg. J. Romaszewska-Sałata*); Szastarka village (LBL M-21730, 8 July 1991, *leg. G. Granda*). Cited by Sałata (1991).

– ***Viola riviniana*** Rchb.: Maziarki wild., Obroc res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: *Potentillo albae-Quercetum*, beech forest, beech-fir forest, forest glade, thickets on limestone slope, garden.

Puccinia vulpinae J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- *Carex vulpina* L.: Obroc village (Sałata 1991).

PLANT COMMUNITY/HABITAT: meadow.

Pucciniastrum G.H. Oth***Pucciniastrum agrimoniae*** (Dietel) Tranzschel

HOST/SUBSTRATE/LOCALITY:

- *Agrimonia eupatoria* L.: Majdan Górny village (Romaszewska-Sałata 1977); Stoki wild. (Sałata 1991); Turzyniec village near Szczepieszyn town (LBL M-21550, 30 Aug. 1977, leg. A. Poświętowska). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside in young oak forest, dry thickets.

Pucciniastrum areolatum (Fr.) G.H. Oth

HOST/SUBSTRATE/LOCALITY:

- *Padus avium* Mill. [= *Prunus padus* L.]: Obroc village (2 localities) (Sałata 1991); Kawęczynek village near Szczepieszyn town (LBL M-21553, 20 Aug. 1977, leg. A. Poświętowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: alder forest, undergrowth of the forest.

Pucciniastrum circaeae (Schumach.) Speg.

HOST/SUBSTRATE/LOCALITY:

- *Circaea alpina* L.: Bukowa Góra res. (Sałata & Romaszewska-Sałata 1968; Kochman & Sałata 1980); Czartowe Pole res., Rybnica village near Susiec village (Romaszewska-Sałata 1974); surroundings of Zwierzyniec town (Majewski 1977); Czerkies res., Nart res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Circaea lutetiana* L.: Bukowa Góra res., Czerkies res., Nart res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: *Stellario-Alnetum*, beech forest, fir forest.***Pucciniastrum epilobii*** G.H. Oth

HOST/SUBSTRATE/LOCALITY:

- *Chamaenerion angustifolium* L. [= *Epilobium angustifolium* Vill.]: Obroc res. (Sałata & Romaszewska-Sałata 1968); Bukowa Góra res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside ditch and roadside in fir forest.

Pucciniastrum goeppertianum (J.G. Kühn) Kleb.SYNONYMS: *Calyptospora goeppertiana* J.G. Kühn

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill.: Florianka wild. (LBL M-21554, 18 July 1980, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Vaccinium vitis-idaea* L.: Bukowa Góra res., Obroc res., Stokowa Góra wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1968); Czartowe Pole res., Zwierzyniec town (Romaszewska-Sałata 1974); Nart res., Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Florianka wild. (LBL M-21555, 18 July 1980, leg. J. Romaszewska-Sałata). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest, pine forest, pine-fir forest, mixed coniferous forest.

Pucciniastrum guttatum (J. Schröt.) Hyl., Jørst. & Nannf.

HOST/SUBSTRATE/LOCALITY:

- *Galium odoratum* (L.) Scop.: Czerkies res., Jarugi res., Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Galium schultesii* Vest: Jarugi res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: beech forest, deciduous forest.

Pucciniastrum vaccinii → ***Naohidemyces vacciniorum***

Pycnoporellus Murrill.

Pycnoporellus fibrillosus → ***Pycnoporellus fulgens***

Pycnoporellus fulgens (Fr.) Donk.

SYNONYMS: *Pycnoporellus fibrillosus* (P. Karst.) Murrill

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten trunk): Czerkies res. (Sałata 1972); Czartowe Pole res. (Sałata & Ostas 1975); Bukowa Góra res. (Piątek 2002); Kruglik Forest Range, Nart res. (Flisińska 2004). Cited by Sałata & Ostas (1975), Sałata (1991), Piątek (2002), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Stellario-Alnetum*.

Radulomyces M.P. Christ.

Radulomyces molaris (Chaillet ex Fr.) M.P. Christ.

SYNONYMS: *Cerocorticium molare* (Chaillet ex Fr.) Jülich & Stalpers

HOST/SUBSTRATE/LOCALITY:

- Bark and wood of deciduous trees: Tarnawa Duża village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.

Ramaria Fr. ex Bonord**Ramaria abietina** (Pers.) Quél.

SYNONYMS: *Ramaria ochraceovirens* (Jungh.) Donk. [as 'ochraceo-virens']

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees, rotten wood and soil: Bukowa Góra res., Czerkies res., Obrocz res. (Sałata 1972; Skirgiełło 1984); Zwierzyniec town (Skirgiełło 1984). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Ramaria abietina → **Ramaria eumorpha****Ramaria apiculata** (Fr.) Donk.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (wood): Bukowa Góra res., Czerkies res., Nart res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Pinus sylvestris* L. (stump): Stoki wild. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- Logs and stumps of coniferous trees: Czartowe Pole res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, fir forest.

Ramaria aurea (Schaeff.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Among plant litter: Huta village, Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.

Ramaria botrytis (Pers.) Ricken

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res. (Sałata 1972, Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Ramaria eumorpha (P. Karst.) Corner

HOST/SUBSTRATE/LOCALITY:

- Soil (litter of coniferous trees): Bukowa Góra res., Czerkies res., Obrocz res. (Sałata 1972, as *Ramaria abietina* Fr.); Tarnawa village (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Ramaria flava (Schaeff.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Ramaria formosa*** (Pers.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest with admixture of fir.

Ramaria ochraceovirens [‘ochraceo-virens’] → ***Ramaria abietina******Ramaria sanguinea*** (Pers.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Olszanka village (Flisińska & Sałata 1998). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum* with admixture of beech.***Ramaria stricta*** (Pers.) Quél.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten logs and stumps): Czerkies res., Nart res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Ramaria suecica*** (Fr.) Donk

HOST/SUBSTRATE/LOCALITY:

- Fallen needles: Olszanka village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.*Ramicola centunculus* → ***Simocybe centunculus****Rhizoctonia violacea* → ***Helicobasidium purpureum***

Rhizopogon* Fr.**Rhizopogon roseolus* (Corda) Th. Fr.**

SYNONYMS: *Rhizopogon rubescens* (Tul. & C. Tul.) Tul. & C. Tul.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a); Biała Góra hill near Tomaszów Lubelski town (LBL M-23756, 25 Sept. 1971, leg. B. Sałata). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tenerio-Brachypodietum* on lime, pine forest.

NOTES: The primary source of the fungus record from Biała Góra hill is herbarium specimen. It was also reported by Wojewoda (2003) and Flisińska (2004) from the same locality. They followed paper by Flisińska & Sałata (1991), however, the species was not reported there.

Rhizopogon rubescens → ***Rhizopogon roseolus***

Rhodocollybia* Singer**Rhodocollybia butyracea* (Bull.) Lennox**

SYNONYMS: *Agaricus butyraceus* Bull., *Collybia asema* (Fr.) Gillet, *Collybia butyracea* (Bull.) P. Kumm., *Rhodocollybia butyracea* f. *asema* (Fr.) Antonín, Halling & Noordel.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Zwierzyniec town (Błoński 1896); Bukowa Góra res. (Sałata 1972; Antonín & Noordeloos 1997); Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Czartowe Pole res. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Olszanka village, Tarnawa village, Tokary village (Flisińska 2004). Cited by Chelchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest.

Rhodocollybia butyracea f. *asema* → ***Rhodocollybia butyracea***

***Rhodocollybia maculata* (Alb. & Schwein.) Singer**

SYNONYMS: *Collybia maculata* (Alb. & Schwein.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Maziarki wild. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

***Rhodocollybia prolixa* (Hornem.) Antonín & Noordel. var. *distorta* (Fr.) Antonín, Halling & Noordel.**

SYNONYMS: *Collybia distorta* (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Kamienna Góra wild. (Sałata 1991); Kruglik Forest Range (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, beech forest.

Rhodocybe mundula → *Clitocella mundula*
Rhodophyllus aprilis → *Entoloma aprile*
Rhodophyllus byssisedus → *Entoloma byssisedum*
Rhodophyllus cetratus → *Entoloma cetratum*
Rhodophyllus cyanulus → *Entoloma cyanulum*
Rhodophyllus euchrous → *Entoloma euchroum*
Rhodophyllus hirtipes → *Entoloma hirtipes*
Rhodophyllus mammosus → *Entoloma mammosum*
Rhodophyllus placidus → *Entoloma placidum*
Rhodophyllus rhodopolius → *Entoloma rhodopolium*
Rhodophyllus vernus → *Entoloma vernum*
Rhodosporus cervinus → *Pluteus cervinus*

Rickenella Raithelh.

Rickenella fibula (Bull.) Raithelh.

SYNONYMS: *Gerronema fibula* (Bull.) Singer

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten wood): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Stoki wild. (Sałata 1991); Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, alder forest, fir forest.

Rickenella setipes → ***Omphalina setipes***

Ripartites P. Karst.

Ripartites tricholoma (Alb. & Schwein.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Rozites caperatus [*‘caperata’*] → ***Cortinarius caperatus***

Rubroboletus Kuan Zhao & Zhu L. Yang***Rubroboletus satanas*** (Lenz) Kuan Zhao & Zhu L. YangSYNONYMS: *Boletus satanas* Lenz

HOST/SUBSTRATE/LOCALITY:

- Soil: Krasnobród town, Zwierzyniec town (Błoński 1896; Chelchowski 1898). Cited by Sałata (1990, 1991, 2008), Chmiel *et al.* (1994), Wojewoda (2003), Flisińska (2004), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: deciduous forest, thickets.

Russula Pers.***Russula adusta*** (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: (among litter of coniferous trees): Bukowa Góra res., Czerkies res., Obrocz res. (Sałata 1972); Maziarki wild. (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a, also as *Russula* sp.). NOTES: The name of the fungus reported as *Russula* sp. (Kozłowska *et al.* 2015a) was precised on the basis of herbarium collection (LBL M-23754, 5 Sept. 1967, leg. B. Sałata).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, fir forest.***Russula aeruginea*** Lindbl. ex Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Czerkies res., Otroc village, Tarnawa village, Tokary village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, pine forest.***Russula alutacea*** (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Nart res., Obrocz res. (Sałata 1972); Tokary village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Russula amoena*** Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1997); Obrocz res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech-fir forest, pine forest.

Russula aurata → ***Russula aurea******Russula aurea*** Pers.SYNONYMS: *Russula aurata* Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Nart res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Russula badia*** Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Nart res., Obrocz res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Russula brunneoviolacea*** Crawshay

HOST/SUBSTRATE/LOCALITY:

- Soil: Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*.*Russula chamaeleontina* → ***Russula risigallina******Russula cuprea*** (Krombh.) J.E. LangeSYNONYMS: *Russula urens* Romell

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res. (Sałata 1972); surroundings of Zwierzyniec town (Domański 1997). Cited by Sałata (1991), Domański (1997), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, pine forest.***Russula cyanoxantha*** (Schaeff.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Zwierzyniec town (Błoński 1896); Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obrocz res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Maziarki wild. (Sałata 1991; Flisińska 2004); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Tarnawa village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, fir forest, deciduous forest, mixed forest.

Russula decolorans (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town and its surroundings (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Russula delica Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.***Russula densifolia*** Secr. ex Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Russula emetica*** (Schaeff.) Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees and among *Sphagnum* sp.; mosses): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972, as *Russula emetica* Fr.); Stoki wild. (Sałata 1991); Olszanka village, Tarnawa village, Tokary village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, peatbog.*Russula erythropus* ['*erythropoda*'] → ***Russula xerampelina******Russula fellea*** (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Russula firmula*** Jul. Schöff.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Obroc res. (Sałata 1972); Jarugi res. (Flisińska 2004). Cited by Sałata (1991), Domański (1997), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: In the paper by Domański (1997) the localities reported by Sałata (1972) were cited as ‘surroundings of Zwierzyniec town’.

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.

Russula foetens Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bondyryz village (Błoński 1896); Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Otrocz village, Stoki wild. (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, deciduous forest, thickets.

Russula fragilis Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among *Sphagnum* sp.; mosses): Czerkies res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Russula grata Britzelm.

SYNONYMS: *Russula laurocerasi* Melzer

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*, fir forest.

Russula heterophylla (Fr.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Huta village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.

Russula laurocerasi → ***Russula grata***

Russula lutea → ***Russula risigallina***

***Russula melzeri* Zvára**

HOST/SUBSTRATE/LOCALITY:

- Soil [among *Calluna vulgaris* (L.) Hull]: Obroc res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with admixture of beech and fir.

***Russula mustelina* Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech-fir forest.

***Russula nigricans* Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Batorz village, Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a, also as *Russula* sp.). NOTES: The name of the fungus reported as *Russula* sp. (Kozłowska *et al.* 2015a) was precised on the basis of herbarium collections: LBL M-23753, 6 Sept. 1966, *leg. B. Sałata*; LBL M-23755, 7 Sept. 1966, *leg. B. Sałata*.

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.***Russula ochroleuca* Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Czartowe Pole res., Kruglik wild. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Stoki wild., Tarnawa village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*, fir forest, pine forest.***Russula olivacea* (Schaeff.) Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Russula paludosa Britzelm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Roztocze NP – without precise location (Sałata 1988); Czartowe Pole res., Kruglik wild. (Sałata 1991); Zwierzyniec town and its surroundings (Domański 1999a); Stoki wild. (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*, pine forest, pine-fir forest, wet mixed forest.***Russula pelargonica*** Niole

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Domański 1997). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Russula puellaris*** Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees and among mosses): Bukowa Góra res., Czerkies res. (Sałata 1972); Tokary village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, fir forest.***Russula raoultii*** Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Zwierzyniec town (Domański 1997). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Querco-Pinetum*.***Russula rhodopus*** Zvára [as ‘*rhodopoda*’]

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Russula risigallina*** (Batsch) Sacc.SYNONYMS: *Russula chamaeleontina* (Lasch) Fr., *Russula lutea* (Huds.) Gray

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Nart res., Obrocz res. (Sałata 1972); Tereszpol village (Domański 1999a); Maziarki wild., Otroc village, Tokary village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, pine forest with admixture of spruce.

Russula rosacea → ***Russula sanguinaria******Russula sanguinaria*** (Schumach.) RauschertSYNONYMS: *Russula rosacea* (Pers.) Gray

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Czerkies res., Zwierzyniec town (Skirgiełło 1984); Tokary village (Skirgiełło 1984; Flisińska 2004); Tarnawa Duża village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*.***Russula sanguinea*** Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among mosses): Tereszpol village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: margin of pine forest.

Russula schiffneri → ***Russula veteriosa******Russula solaris*** Ferd. & Winge

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of deciduous trees): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Russula turci*** Bres.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town and its surroundings (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Russula urens → ***Russula cuprea******Russula velenovskyi*** Melzer & Zvára

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Zwierzyniec town (Domański 1997). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

***Russula vesca* Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988); Jarugi res., Maziarki wild., Stoki wild., Tarnawa Duża village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, *Vaccinio myrtilli-Pinetum*.***Russula veternosa* Fr.**SYNONYMS: *Russula schiffneri* Singer

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, fir forest.***Russula vinosa* Lindblad**

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town and its surroundings (Domański 1999a); Tokary village (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

***Russula violacea* Quél.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Kruglik wild. (Sałata 1991); Gródki village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, pine forest with admixture of spruce.***Russula violeipes* Quél.**

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Obroc res. (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, under fir tree.***Russula virescens* (Schaeff.) Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Skirgiełło 1976); Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Tereszpol village (Domański 1999a). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, pine forest, mixed forest.

Russula xerampelina (Schaeff.) Fr.SYNONYMS: *Russula erythropus* Fr. ex Pelt. [as 'erythropoda']

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze NP – without precise location (Chmiel *et al.* 1994); Zwierzyniec town and its surroundings (Domański 1999a); Tokary village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, pine forest.*Russula* sp. → ***Russula adusta****Russula* sp. → ***Russula nigricans****Russuliopsis laccata* → ***Laccaria laccata******Sarcodon*** Quél. ex P. Karst.***Sarcodon imbricatus*** (L.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Soil (among litter of coniferous trees): Roztocze Środkowe region – without precise location (Sałata 1990); Borowina village near Józefów town (Sałata 1991); Bukowa Góra res. (Sałata 1991; Flisińska 2004); Bukowa Góra Protected District – sect. 206h (Białobrzaska 2013); Czartowe Pole res., Stoki wild., Susiec village, Szum res. near Górecko village (Sałata 1991; Flisińska 2004); Roztocze NP – without precise location (Chmiel *et al.* 1994; Domański 1999a); Zwierzyniec town (Flisińska 2004). Cited by Wojewoda (2003), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: pine forest.

Sarcodon scabrosus (Fr.) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town and its surroundings (Domański 1997, 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, pine forest with admixture of fir.***Sarcodon squamosus*** (Schaeff.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Stara Huta village (Białobrzaska & Szczepkowski 2014). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Sarcodon sp.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra Protected District – sect. 206 (Mułenko *et al.* 2013; 2009 and 2010, *pers. obs.* J. Mazur).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Schizonella J. Schröt.

Schizonella cocconii (Morini) Liro on *Carex humilis* Leyss. NOTES: The fungus was incorrectly listed by Kozłowska *et al.* (2015b) who cited data of Romaszewska-Sałata (1975). However, the last author did not report this species from the Roztocze region.

Schizonella melanogramma (DC.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Carex digitata*** L.: Maziarki wild. (Sałata & Romaszewska-Sałata 1969); Brody village near Szczepreszyn town (Romaszewska-Sałata 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir-beech forest.

Schizophyllum Fr.

Schizophyllum alneum → ***Schizophyllum commune***

Schizophyllum amplum (Lév.) Nakasone

SYNONYMS: *Auriculariopsis ampla* (Lév.) Maire

HOST/SUBSTRATE/LOCALITY:

- ***Populus tremula*** L. (wood): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Schizophyllum commune Fr.

SYNONYMS: *Schizophyllum alneum* (L.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (branches): Obroc res. (Sałata 1972; Skirgień 1976). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Fagus sylvatica*** L. (branches): Czerkies res., Nart res. (Sałata 1972; Skirgień 1976). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Dead branches of deciduous trees: Tomaszów Lubelski town (Błoński 1896; Chełchowski 1898); Zwierzyniec town (Błoński 1896; Chełchowski 1898; Skirgień 1976; Flisińska 2004); Roztocze NP – without precise location (Sałata 1988); Jarugi res. (Sałata 1991). Cited by Skirgień (1976), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Schizopora Velen.**Schizopora paradoxa** (Schrad.) Donk.

HOST/SUBSTRATE/LOCALITY:

- *Carpinus betulus* L. (branches): Zwierzyniec town (Domański 1969). Cited by Sałata (1991) and Kozłowska *et al.* (2015a).
- *Corylus avellana* L. (branches): Zwierzyniec town (Domański 1969). Cited by Sałata (1991) and Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (fallen branches): Obroc res. (Domański 1969; Sałata 1972); Czerkies res., Nart res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Quercus robur* L. (branches): Zwierzyniec town (Domański 1969). Cited by Sałata (1991) and Kozłowska *et al.* (2015a).
- Trees: Bukowa Góra res., Jarugi res. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Scleroderma Pers.

Scleroderma aurantium → **Scleroderma citrinum**

Scleroderma citrinum Pers.

SYNONYMS: *Scleroderma aurantium* sensu auct.

HOST/SUBSTRATE/LOCALITY:

- Soil: Fryszarka village near Józefów town, Obroc village (Sałata 1967); Zwierzyniec town (Sałata 1967; Domański 1999a); Obroc res. (Sałata 1969a); Roztocze NP – without precise location (Sałata 1988, 1990; Chmiel *et al.* 1994); Czartowe Pole res., Kruglik wild. (Sałata 1991); surroundings of Zwierzyniec town (Domański 1999a); Maziarki wild., Olszanka village, Tarnawa village (Flisińska 2004); Bełzec Forest Range – sect. 161 and 162 (Kukiełka & Rozwałka 2004); Bukowa Góra Protected District – sect. 204j, 3448a,d, 349c and 355a (2007, *pers. obs.* J. Mazur), sect. 246 and 247 (2010, *pers. obs.* P. Marczakowski). Cited by Sałata (1969a, 1991), Szczepka (1983), Piątek (1998), Wojewoda (2003), Flisińska (2004), Szczepkowski & Byk (2010), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, pine forest, pine-fir forest, margin of pine forest.

Scleroderma verrucosum (Bull.) Pers.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1972); Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Tarnawa village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, roadside in beech forest and mixed coniferous forest.

Sebacina Tul. & C. Tul.***Sebacina grisea*** Bres.SYNONYMS: *Exidiopsis grisea* (Bres.) Bourdot & Maire

HOST/SUBSTRATE/LOCALITY:

- Wood of coniferous trees: between Rybnica and Sikliwce villages near Susiec village (Wojewoda 1979); Roztocze region – without precise location (Wojewoda 2003). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Setulipes androsaceus → ***Gymnopus androsaceus******Simocybe*** P. Karst.***Simocybe centunculus*** (Fr.) P. Karst. [as ‘*centuncula*’]SYNONYMS: *Ramicola centunculus* (Fr.) Watling

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (stump): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Sistotrema fuscoviolaceum* [‘*fusco-violaceum*’] → ***Trichaptum fuscoviolaceum******Skeletocutis*** Kotl. & Pouzar***Skeletocutis amorpha*** (Fr.) Kotl. & PouzarSYNONYMS: *Polyporus amorphus* Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (logs and stumps): Bukowa Góra res., Czerkies res., Stoki wild. (Sałata 1991).
- ***Pinus sylvestris*** L. (wood): Zwierzyniec town (Błoński 1896; Chełchowski 1898; Domański *et al.* 1967). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: fir forest, pine forest.

Sparassis Fr.***Sparassis crispa*** (Wulfen) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (roots, around stumps and trunks): Susiec village (Sałata 1969a); Roztocze Środkowe region – without precise location (Sałata 1990); Jarugi res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Stoki wild., Tarnawa village (Flisińska 2004); Tomaszów Lubelski Forest District – Pańków Forest Range between sections 391 and 399, and Siedliska Forest Range sect. 315 (Rozwałka 2004); Jarugi Protected District – sect. 64c

(Białobrzaska 2013); Debry res. – sect. 226d, Zwierzyniec Forest District – Adamów Forest Range sect. 131a and Podzamcze Forest Range sect. 269a (Białobrzaska & Szczepkowski 2014); near Bukowa Góra res. (Mułenko *et al.* 2015); Bukowa Góra Protected District – sect. 198b (2007, *pers. obs.* M. *Tchórzewski*), sect. 198c (2007, *pers. obs.* Z. *Maciejewski*); Florianka Protected District – sect. 307a and 262b (2008 and 2009, *pers. obs.* Z. *Jawor*); Jarugi Protected District – sect. 63 and 65a (2007, *pers. obs.* B. *Radliński*); Słupy Protected District – sect. 69h (2007, *pers. obs.* B. *Radliński*). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004), Białobrzaska (2013), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum circaetosum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, beech forest with admixture of pine, fir forest with admixture of pine, dry pine forest, pine forest.

Sphacelotheca de Bary

Sphacelotheca hydropiperis (Schumach.) de Bary

HOST/SUBSTRATE/LOCALITY:

- *Polygonum hydropiper* L.: Czerkies res. (Sałata & Romaszewska-Sałata 1969); Jarugi res., Maziarki wild., Obroc res. (Sałata 1991); Bukowa Góra res. (LBL M-21467, 12 Sept. 1980, *leg.* J. *Romaszewska-Sałata*). Cited by Kozłowska *et al.* (2015b).
- *Polygonum minus* Huds.: Bukowa Góra res. (Kochman & Majewski 1973). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: along a road in fir forest, roadside.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Chmiel *et al.* (1994).

Sphagnurus Redhead & V. Hofstetter

Sphagnurus paluster (Peck) Redhead & V. Hofstetter

SYNONYMS: *Lyophyllum palustre* (Peck) Singer, *Tephroclybe palustris* (Peck) Donk

HOST/SUBSTRATE/LOCALITY:

- Among *Sphagnum* sp. (mosses): Zwierzyniec town (Skirgień 1984; Wojewoda 2003); Panasówka village (Domański 1999a); Lasowe ('Lasowce') near Stara Huta village (Wojewoda 2003). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Ledo-Sphagnetum magellanici*, *Vaccinio uliginosi-Pinetum*.

Steccherinum Gray

Steccherinum ochraceum (Pers.) Gray

SYNONYMS: *Irpex ochraceus* (Pers.) Kotir. & Saaren.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen branches): Czerkies res., Nart res. (Sałata 1972). Cited by Domański (1981), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Stereum Hill ex Pers.

Stereum hirsutum (Willd.) Pers.

HOST/SUBSTRATE/LOCALITY:

- *Carpinus betulus* L.: Tarnawa village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (logs, stumps, trunks): Bukowa Góra res., Czerkies res., Nart res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten wood of deciduous trees (branches, logs, stumps, trunks): Bondyryz village, Krasnobród town (Błoński 1896; Chelchowski 1898); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Florianka wild., Jarugi res., Obroc res., Stoki wild., Szum res. near Górecko village (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Maziarki wild., Olszanka village, Otrocz village, Zagrody village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Stereum purpureum → ***Chondrostereum purpureum***

Stereum rugosum Pers.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (dead branches): Jarugi res. (Sałata 1991).
- *Quercus* sp. (dead branches): Zwierzyniec Forest District (Domański 1991). Cited by (Flisińska 2004, incorrectly after Domański 1981) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Stereum sanguinolentum (Alb. & Schwein.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (branches, logs): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).
- Branches and logs of coniferous trees: Florianka wild., Nart res., Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Stereum subtomentosum Pouzar

HOST/SUBSTRATE/LOCALITY:

- Wood of deciduous trees: Roztocze NP – without precise location (Sałata 1988). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Strobilomyces* BerkStrobilomyces floccopus* → ***Strobilomyces strobilaceus******Strobilomyces strobilaceus* (Scop.) Berk.**SYNONYMS: *Strobilomyces floccopus* (Vahl) P. Karst.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Obroc res. (Sałata 1969a, 1972; Skirgień 1972); Rybnica village near Susiec village (Sałata 1969a); Czerkies res. (Sałata 1972; Skirgień 1972); Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze NP – without precise location (Chmiel *et al.* 1994); Szum res. near Górecko village (Kujawa & Gierczyk 2013); Bukowa Góra Protected District sect. 209a (2004, *pers. obs. M. Tchórzewski*), sect. 353a (2007, *pers. obs. B. Radliński*), sect. 190a (2011, *pers. obs. T. Kowalczyk*). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004), Białobrzeska (2013), Mułenko *et al.* (2013, 2015) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, beech-fir forest, fir forest, fir forest with admixture of spruce and pine.***Strobilurus* Singer*****Strobilurus esculentus* (Wulfen) Singer**

HOST/SUBSTRATE/LOCALITY:

- *Picea abies* (L.) H. Karst. (cones burried in plant litter): Bukowa Góra res., Obroc res. (Sałata 1972); Kruglik Forest Range (Flisińska 2004); Lasowe ('Lasowce') near Stara Huta village (Komorowska 2006). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Strobilurus stephanocystis* (Kühner & Romagn. ex Hora) Singer**

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (fallen cones): Jarugi res., Tarnawa Mała village (Flisińska 2004); Nart-Czerkies res., Lasowe ('Lasowce') near Stara Huta village, Susiec village (Komorowska 2006). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, coniferous forest.***Strobilurus tenacellus* (Pers.) Singer**

HOST/SUBSTRATE/LOCALITY:

- *Pinus sylvestris* L. (cones burried in plant litter): Obroc res. (Sałata 1972; Flisińska 2004); Bukowa Góra res. (Sałata 1991); Batorz village, Jarugi res., Olszanka village (Flisińska 2004); Nart-Czerkies res., between Susiec and Rebizanty villages – in the valley of the Tanew river (Komorowska 2006). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*.

Stropharia (Fr.) Quél.***Stropharia aeruginosa*** (Curtis) Quél.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (close to rotten stumps): Bukowa Góra res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Fagus sylvatica* L. (close to rotten stumps): Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Among plant litter and close to rotten stumps: Roztocze NP – without precise location (Sałata 1988); Maziarki wild., Stoki wild. (Sałata 1991; Flisińska 2004); Batorz village, Huta village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*.***Stropharia coronilla*** (Bull.) Quél.SYNONYMS: *Psilocybe coronilla* (Bull.) Noordel.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: meadow.

Stropharia inuncta (Fr.) Quél.SYNONYMS: *Psilocybe inuncta* (Fr.) Kühner

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1997); Obroc res. (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: forest.

Stropharia luteonitens ['luteo-nitens'] → ***Protostropharia luteonitens******Stropharia melanosperma*** (Bull.) Gillet [as '*melasperma*']SYNONYMS: *Psilocybe melanosperma* (Bull.) Noordel.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pastures.

Stropharia semiglobata → ***Protostropharia semiglobata****Stropharia squamosa* → ***Leratiomyces squamosus***

Suillellus Murrill***Suillellus luridus*** (Schaeff.) MurrillSYNONYMS: *Boletus luridus* Schaeff.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bondyryz village (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest, deciduous forest.

Suillus Gray*Suillus aeruginascens* → ***Suillus viscidus******Suillus bovinus*** (L.) Roussel

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Skirgiełło 1972; Domański 1999a); near Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); surroundings of Zwierzyniec town (Domański 1999a). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Suillus collinitus (Fr.) Kuntze

HOST/SUBSTRATE/LOCALITY:

- Soil: Biała Góra hill near Tomaszów Lubelski town (Flisińska & Sałata 1991). Cited by Wojewoda (2003, also incorrectly after Domański 1999a), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: sunny slope under pine tree.

Suillus flavidus (Fr.) J. Presley

HOST/SUBSTRATE/LOCALITY:

- Soil (among *Sphagnum* sp.; mosses): Zwierzyniec town (Skirgiełło 1972); Panasówka village (Domański 1999a). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Ledo-Sphagnetum magellanici*, *Vaccinio uliginosi-Pinetum*.***Suillus granulatus*** (L.) RousselSYNONYMS: *Boletus granulatus* L.

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass and mosses): Zwierzyniec town (Błoński 1896; Chełchowski 1898; Domański 1999a); Borowina village near Józefów town, Stoki wild. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); surroundings of Zwierzyniec town (Domański 1999a); Batorz village, Olszanka village, Otrocz village, Tarnawa

village, Wólka Batorska village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, pine forest, coniferous forest, mid-forest meadow.

Suillus grevillei (Klotzsch) Singer

HOST/SUBSTRATE/LOCALITY:

– Soil: Florianka village (Domański 1999a); Otrocz village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest, young pine forest.

Suillus luteus (L.) Roussel

HOST/SUBSTRATE/LOCALITY:

– Soil: Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Borowina village near Józefów town, Czartowe Pole res., Susiec village – Skwarki district, Zwierzyniec town – Biały Słup district (Sałata 1991); Stoki wild. (Sałata 1991; Flisińska 2004); Zwierzyniec town and its surroundings (Domański 1999a); Batorz village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, pine forest.

Suillus variegatus (Sw.) Kuntze

SYNONYMS: *Boletus variegatus* Sw.

HOST/SUBSTRATE/LOCALITY:

– Soil: Krasnobród town, Tomaszów Lubelski town (Błoński 1896); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Czartowe Pole res., Florianka wild., Stoki wild. (Sałata 1991); Tereszpól village, Zwierzyniec town (Domański 1999a). Cited by Chelchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with admixture of spruce.

Suillus viscidus (L.) Roussel

SYNONYMS: *Suillus aeruginascens* (Secr.) Snell

HOST/SUBSTRATE/LOCALITY:

– Soil: Florianka village (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: larch forest.

Tapinella E.-J. Gilbert**Tapinella atrotomentosa** (Batsch) ŠutaraSYNONYMS: *Paxillus atrotomentosus* (Batsch) Fr. [as 'atro-tomentosus']

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (stumps, trunks, roots): Zwierzyniec town (Błoński 1896; Chelchowski 1898); Batorz village, Olszanka village, Otrocz village, Stoki wild. (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*, pine forest.*Tephroclybe palustris* → ***Sphagnurus paluster*****Thecaphora** Fingerh.**Thecaphora deformans** Durieu & Mont.

HOST/SUBSTRATE/LOCALITY:

- ***Astragalus glycyphyllos*** L.: Majdan Górny village (Romaszewska-Sałata 1977); Bukowa Góra res., Zwierzyniec town (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Thecaphora oxalidis (Ellis & Tracy) M. Lutz, R. Bauer & PiątekSYNONYMS: *Ustilago oxalidis* Ellis & Tracy

HOST/SUBSTRATE/LOCALITY:

- ***Oxalis fontana*** Bunge [= *Oxalis stricta* L.]: Obrocz village, Zwierzyniec town (Sałata & Romaszewska-Sałata 1969). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: wheat cultivation, stubble.

Thekopsora myrtilлина → ***Naohidemyces vacciniorum*****Thelephora** Ehrh. ex Willd.**Thelephora palmata** (Scop.) Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Obrocz res. (Sałata 1972); Bukowa Góra res., Czartowe Pole res., Zwierzyniec town – Rudka district (Sałata 1991); Prof. Zygmunt Czubiński Reserve (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.**Thelephora terrestris** Ehrh.

HOST/SUBSTRATE/LOCALITY:

- Soil: Obroc res. (Sałata 1972); Bukowa Góra res., Czartowe Pole res., Zwierzyniec town – Biały Słup district (Sałata 1991); Batorz village, Kruglik Forest Range, Stoki wild., Zagrody village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Vaccinio myrtilli-Pinetum*.

***Trametes* Fr.**

Trametes cervina → ***Trametopsis cervina***

***Trametes gibbosa* (Pers.) Fr.**

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (logs): Nart res. (Sałata 1972); Bukowa Góra res., Obroc res. (Sałata 1991); Czerkies res., Olszanka village, Otrocz village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

***Trametes hirsuta* (Wulfen) Lloyd**

HOST/SUBSTRATE/LOCALITY:

- ***Carpinus betulus*** L. (rotten branches, logs and stumps): Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Branches and stumps of deciduous trees (incl. *Fagus sylvatica* L.): Roztocze NP – without precise location (Sałata 1988); Bukowa Góra res., Jarugi res., Nart res. (Sałata 1991); Tokary village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, beech forest, fir forest.

Trametes hoehnelii → ***Antrodiella hoehnelii***

Trametes multicolor → ***Trametes ochracea***

***Trametes ochracea* (Pers.) Gilb. & Ryvarden**

SYNONYMS: *Polyporus zonatus* Nees, *Trametes multicolor* (Schaeff.) Jülich

HOST/SUBSTRATE/LOCALITY:

- Rotten wood of deciduous trees: Bondyrz village, Krasnobród town (Błoński 1896; Chełchowski 1898). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: deciduous forest.

Trametes odorata → ***Gloeophyllum odoratum***

Trametes pini → ***Porodaedalea pini***

Trametes pubescens (Schumach.) Pilát

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L. (rotten logs): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Trametes radiciperda* ('*radicoperda*') → *Heterobasidion annosum****Trametes suaveolens*** (L.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Populus tremula* L. (dead branches): Florianka wild. (Sałata 1991).

PLANT COMMUNITY/HABITAT: pine forest.

Trametes versicolor (L.) Lloyd

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten wood): Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Branches and stumps of deciduous trees: Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Maziarki wild. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village, Otrocz village, Tarnawa village, Tokary village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004), Kozłowska *et al.* (2015a) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, deciduous forest, mixed forest.***Trametes*** sp.

HOST/SUBSTRATE/LOCALITY:

- Wood of deciduous trees: Roztocze region – without precise location (Czarnecka & Janiec 2002).

PLANT COMMUNITY/HABITAT: deciduous forest.

Trametopsis Tomšovský***Trametopsis cervina*** (Schwein.) TomšovskýSYNONYMS: *Trametes cervina* (Schwein.) Bres.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (fallen twigs): Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: beech forest.

Tranzschelia Arthur***Tranzschelia anemones*** (Pers.) Nannf.SYNONYMS: *Tranzschelia fusca* (Relh.) Dietel

HOST/SUBSTRATE/LOCALITY:

- ***Anemone nemorosa*** L.: Olszanka village, Tarnawa village (Sałata & Romaszewska-Sałata 1968); Bukowa Góra res., Maziarki wild., Obrocz village, Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: deciduous forests, meadow.

Tranzschelia fusca → ***Tranzschelia anemones******Tranzschelia pruni-spinosae*** (Pers.) Dietel

HOST/SUBSTRATE/LOCALITY:

- ***Prunus spinosa*** L.: Jarugi res. (Sałata & Romaszewska-Sałata 1968). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest.

Tremella Pers.***Tremella encephala*** Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen branches): Bukowa Góra res., Obrocz res. (Sałata 1972). Cited by Wojewoda (1979, 2003), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Branches, logs and stumps of coniferous trees: Czartowe Pole res., Susiec village – Skwarki district (Wojewoda 1979; Sałata 1991); Nart res. (Sałata 1991); Kruglik Forest Range (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: According to Wojewoda (2003) this fungus species is a parasite of the *Stereum sanguinolentum*.

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, fir forest, pine forest.***Tremella foliacea*** Pers.SYNONYMS: *Tremella foliacea* Pers. f. *succinea* (Pers.) Neuhoff

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (fallen branches): Bukowa Góra res., Czerkies res. (Sałata 1972; Wojewoda 1979); Nart res. (Wojewoda 1979). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- ***Betula*** sp. (stumps): Tarnawa Duża village (Flisińska & Sałata 1998). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Wood of coniferous and deciduous trees: Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Tilio-Carpinetum*, beech forest, fir forest.

Tremella foliacea f. *succinea* → ***Tremella foliacea***

Tremella mesenterica Retz.

HOST/SUBSTRATE/LOCALITY:

- Dead branches of deciduous trees (incl. *Carpinus betulus* L., *Fagus sylvatica* L.): Obroc res. (Wojewoda 1979); Roztocze NP – without precise location (Sałata 1988); Czerkies res. (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
NOTES: According to Wojewoda (2003) this fungus species is a parasite of the *Peniophora* species.

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Tremella mycetophiloides → ***Tremella mycophaga***

Tremella mycophaga G.W. Martin

HOST/SUBSTRATE/LOCALITY:

- ***Aleurodiscus amorphus*** (Pers.) J. Schröt. (fungi; fruit bodies): Bukowa Góra res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Wojewoda (1977, 1979), Wojewoda (2003, as *Tremella mycetophiloides* Kobayasi), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Tremella simplex H.S. Jacks & G.W. Martin

HOST/SUBSTRATE/LOCALITY:

- ***Aleurodiscus amorphus*** (Pers.) J. Schröt. (fungi; fruit bodies): Roztocze region – without precise location (Wojewoda 1977); Nart-Czerkies res. (Wojewoda 1979); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: various types of forests.

Tremellodon gelatinosus → ***Pseudohydnum gelatinosum***

Trichaptum Murrill

Trichaptum abietinum (Dicks.) Ryvarden

SYNONYMS: *Hirschioporus abietinus* (Dicks.) Donk, *Polyporus abietinus* Dicks.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (branches, dead trunks, rotten logs and stumps): Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Jarugi res. (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

- Dead trunks of coniferous trees: Bondyrz village, Krasnobród town, Zwierzyniec town (Błoński 1896; Chełchowski 1898); Stoki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, fir forest.

Trichaptum fuscoviolaceum (Ehrenb.) Ryvarden [as ‘*fusco-violaceus*’]

SYNONYMS: *Hirschioporus fuscoviolaceus* (Ehrenb.) Donk, *Irpex fuscoviolaceus* (Ehrenb.) Fr., *Sistotrema fuscoviolaceum* Schrad.

HOST/SUBSTRATE/LOCALITY:

- ***Pinus sylvestris*** L. (trunks and branches): Zwierzyniec town (Błoński 1896; Chełchowski 1898); Kruglik Forest Range (Sałata 1988; Flisińska 2004); Nart res., Szum res. near Górecko village (Sałata 1991); Stoki wild. (Sałata 1991; Flisińska 2004); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*.

Tricholoma (Fr.) Staude

Tricholoma aestuans (Fr.) Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil [among *Calluna vulgaris* (L.) Hull.]: Tereszpol-Kukielki village (Domański 1997). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Tricholoma bufonium (Pers.) Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): surroundings of Zwierzyniec town (Domański 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: old pine forest.

Tricholoma equestre (L.) P. Kumm.

SYNONYMS: *Tricholoma flavovirens* (Pers.) S. Lundell

HOST/SUBSTRATE/LOCALITY:

- Soil: Florianka wild. (Sałata 1991); Czartowe Pole res., Kruglik wild. (Sałata 1991; Flisińska 2004); surroundings of Zwierzyniec town (Domański 1999a); Zwierzyniec town (Domański 1999; Flisińska 2004); Stoki wild. (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*.

Tricholoma flavovirens → ***Tricholoma equestre***

Tricholoma focale (Fr.) Ricken

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Panasówka village (Domański 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest, pine forest with admixture of spruce.

Tricholoma fulvum (Fr.) Bigeard & H. Guill.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest with admixture of spruce.

Tricholoma guttatum → ***Tricholoma orirubens******Tricholoma imbricatum*** (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Domański 1999a); Stoki wild. (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Vaccinio myrtilli-Pinetum*, pine forest.*Tricholoma irinum* → ***Lepista irina******Tricholoma lascivum*** (Fr.) Gillet

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res., Obrocze res. (Sałata 1972); Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Jarugi res. (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Tilio-Carpinetum*.***Tricholoma orirubens*** Quél.SYNONYMS: *Tricholoma guttatum* (Schaeff.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Zwierzyniec town (Domański 1997). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Tricholoma pardinum (Pers.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Tricholoma portentosum (Fr.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town and its surroundings (Domański 1999a); Stoki wild., Tarnawa Duża village (Flisińska 2004). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, pine forest.

Tricholoma saponaceum (Fr.) P. Kumm.

SYNONYMS: *Agaricus saponaceus* Fr.

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Błoński 1896; Domański 1999a; Flisińska 2004, after Berdau 1876); Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); surroundings of Zwierzyniec town (Domański 1999a); Olszanka village, Tarnawa Duża village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: The locality listed by Berdau (1876) as the 'Lublin Governorate' (gubernia lubelska) was reported more precisely, as Zwierzyniec town in a paper by Flisińska (2004).

PLANT COMMUNITY/HABITAT: *Pino-Quercetum*, pine forest, pine-fir forest, coniferous forest, deciduous forest.

Tricholoma sciodes (Pers.) C. Martin

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1972); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Olszanka village (Flisińska 2004). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Tricholoma sejunctum (Sowerby) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Batorz village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Tricholoma stans (Fr.) Sacc.

HOST/SUBSTRATE/LOCALITY:

- Soil: Panasówka village (Domański 1997). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Tricholoma sudum (Fr.) Quél. NOTES: The fungus was listed by Wojewoda (2003) who cited data of Sałata (1972). However, the last author did not report this species.

Tricholoma sulphureum (Bull.) P. Kumm.

SYNONYMS: *Agaricus sulphureus* Bull. [as 'sulfureus']

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Tomaszów Lubelski town (Błoński 1896; Chełchowski 1898); Bukowa Góra res., Nart res. (Sałata 1972); Obroc res. (Sałata 1972; Skirgiełło 1976); Zwierzyniec town (Skirgiełło 1976); Maziarki wild. (Sałata 1991; Flisińska 2004); Tarnawa village (Flisińska 2004). Cited by Skirgiełło (1976), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, deciduous forest, mixed forest.

Tricholoma terreum (Schaeff.) P. Kumm.

SYNONYMS: *Agaricus terreus* Schaeff.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bondyrz village, Tomaszów Lubelski town (Błoński 1896); Tereszpol village (Domański 1999a); Tarnawa Duża village (Flisińska 2004). Cited by Chełchowski (1898), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest, deciduous forest, thickets.

Tricholoma ustale (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil (among plant litter): Bukowa Góra res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Tricholoma vaccinum (Schaeff.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Borowina village near Józefów town (Sałata 1991).

PLANT COMMUNITY/HABITAT: pine forest.

Tricholoma virgatum (Fr.) P. Kumm.

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Obroc res. (Sałata 1972); Czartowe Pole res. (Sałata 1991). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Tricholomopsis Singer**Tricholomopsis rutilans** (Schaeff.) Singer

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stumps): Bukowa Góra res., Nart res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- *Pinus sylvestris* L. (stump): Tarnawa village, Tokary village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).
- Rotten logs and stumps of coniferous trees: Roztocze Środkowe region – without precise location (Sałata 1969a); Florianka wild., Kruglik wild. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Otroc res. village, Stoki wild., Wólka Batorska village (Flisińska 2004). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*.

Triphragmium Link**Triphragmium ulmariae** (DC.) Link

HOST/SUBSTRATE/LOCALITY:

- *Filipendula ulmaria* (L.) Maxim.: Górecko Kościelne village (Sałata & Romaszewska-Sałata 1968); Guciów village, Obroc res. village (Sałata 1991); Szczebrzeszyn town (LBL M-21563, 29 July 1991, *leg. G. Granda*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: meadows at the bank of the Wieprz river.

Tubaria (W.G. Sm.) Gillet**Tubaria furfuracea** (Pers.) Gillet

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (twigs buried in plant litter): Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Tulostoma Pers.

Tulostoma brumale → **Tulostoma** sp.

***Tulostoma fimbriatum* Fr.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Kruglik wild. (Sałata 1969a); Roztocze Środkowe region – without precise location (Sałata 1990); Zwierzyniec town and its surroundings (Domański 1997, 1999a); Bukowa Góra Protected District – sect. 195g (2008, *pers. obs. J. Mazur*). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: young birch-pine forest, margins of young pine forests.

***Tulostoma* sp.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra Protected District – sect. 195g (Białobrzaska 2013; Mułenko *et al.* 2013, in both publications erroneously given as *Tulostoma brumale* Pers.). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: coniferous forest.

Tylophilus* P. Karst**Tylophilus felleus* (Bull.) P. Karst.**

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972); Czartowe Pole res., Stoki wild. (Skirgieńo 1984; Sałata 1991); Gródki village, Zwierzyniec town (Skirgieńo 1984); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Florianka wild., near Nart res. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Olszanka village, Tarnawa village, Wólka Batorska village (Flisińska 2004). Cited by Skirgieńo (1984), Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Pino-Quercetum*, *Vaccinio myrtilli-Pinetum*.

***Tylophilus porphyrosporus* (Fr. & Hök) A.H. Sm. & Thiers**

SYNONYMS: *Porphyrellus porphyrosporus* (Fr. & Hök) E.-J. Gilbert, *Porphyrellus pseudoscaber* Secr. ex Singer

HOST/SUBSTRATE/LOCALITY:

- Soil: Bukowa Góra res. (Sałata 1969a, 1972; Skirgieńo 1972); Czerkies res., Obroc res. (Sałata 1972; Skirgieńo 1972); Nart res. (Sałata 1972); Zwierzyniec town (Skirgieńo 1972); Rybnica village near Susiec village (Sałata & Ostas 1975); Roztocze Środkowe region – without precise location (Sałata 1990); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata & Ostas (1975), Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, beech-fir forest, fir forest.

Typhula (Pers.) Fr.***Typhula erythropus*** (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Galeobdolon luteum*** Huds. (dead stems): Czerkies res. (Sałata 1972). Cited by Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Overwintered stems of herbaceous plants: Nart res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Typhula intermedia* → ***Typhula variabilis******Typhula variabilis*** RiessSYNONYMS: *Typhula intermedia* Appel & Lambert

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen leaves): Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.*Tyromyces caesius* (on *Abies alba*) → ***Postia caesia****Tyromyces caesius* (on *Fagus sylvatica*) → ***Oligoporus alni****Tyromyces stipticus* → ***Postia stiptica****Uredo polypodii* → ***Hyalopsora aspidiotus******Urocystis*** Rabenh. ex Fuckel***Urocystis anemones*** (Pers.) G. Winter

HOST/SUBSTRATE/LOCALITY:

- ***Anemone nemorosa*** L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: thickets on meadow.

Urocystis muscaridis (Niessl) Zundel

HOST/SUBSTRATE/LOCALITY:

- ***Muscari comosum*** (L.) Mill.: Machnowska Góra res. near Machnów village (Wołczańska & Rozwałka 2005).

PLANT COMMUNITY/HABITAT: xerothermic grassland.

Urocystis ranunculi (Lib.) Moesz

HOST/SUBSTRATE/LOCALITY:

- *Ranunculus repens* L.: Bukowa Góra res., Florianka wild., Maziarki wild. (Sałata 1991); Zwierzyniec Forest Range (LBL M-23843, 22 Oct. 1977, leg. J. Romaszewska-Sałata). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Potentillo albae-Quercetum*, beech forest, on the road in fir forest.

Urocystis trientalis (Berk. & Broome) B. Lindeb.

HOST/SUBSTRATE/LOCALITY:

- *Trientalis europaea* L.: Stoki wild. (Kochman & Sałata 1980); Czerkies res., Florianka wild. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest, pine forests.

Uromyces (Link) Unger

Uromyces acetosae J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- *Rumex acetosa* L.: Nowiny village (Sałata & Romaszewska-Sałata 1968). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: meadow.

Uromyces appendiculatus (Pers.) Link

SYNONYMS: *Uromyces phaseoli* G. Winter

HOST/SUBSTRATE/LOCALITY:

- *Phaseolus vulgaris* L.: Siedliska village (LBL M-21578, 5 Aug. 1991, leg. G. Granda); Szczepieszyn town (LBL M-21579, 29 July 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: farmlands.

Uromyces dactylidis G.H. Otth

SYNONYMS: *Aecidium ranunculacearum* DC., *Uromyces poae* Rabenh.

HOST/SUBSTRATE/LOCALITY:

- *Dactylis polygama* Horv. [= *Dactylis aschersoniana* Graebn.]: Bukowa Góra res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Ficaria verna* Huds.: Guciów village, Zwierzyniec town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Ranunculus acris* L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Ranunculus repens* L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: beech forest, meadow, thickets.

Uromyces fabae → *Uromyces viciae-fabae**Uromyces fallens* (Arthur) Barthol.

HOST/SUBSTRATE/LOCALITY:

- *Trifolium medium* L.: Biała Góra hill near Tomaszów Lubelski town (Majewski 1977). Cited by Kozłowska *et al.* [2015b, as *Uromyces trifolii* (R. Hedw.) Lév.].
- *Trifolium pratense* L.: Zaburze village near Szczebrzeszyn town (LBL M-21566, 16 June 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: dry meadow.

Uromyces ficariae (Schumach.) Lév.

HOST/SUBSTRATE/LOCALITY:

- *Ficaria verna* Huds.: Zwierzyniec town (Sałata 1991); Szczebrzeszyn town – Szperówka district (LBL M-21567, 28 May 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: deciduous forest, thickets.

Uromyces fischeri-eduardi Magnus

HOST/SUBSTRATE/LOCALITY:

- *Vicia cracca* L.: Brody village near Szczebrzeszyn town, Majdan Górny village (Romaszewska-Sałata 1977); Gorajec-Stara Wieś village (LBL M-21568, 19 Oct. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b).
- *Vicia tenuifolia* Roth: Majdan Górny village (Romaszewska-Sałata 1975); surroundings of Tomaszów Lubelski town (Majewski 1977). Cited by Romaszewska-Sałata (1977) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic, farmland.

Uromyces genistae → *Uromyces pisi-sativi**Uromyces geranii* (DC.) G.H. Otth & Wartm.

HOST/SUBSTRATE/LOCALITY:

- *Geranium palustre* L.: Siedliska village (LBL M-21571, 5 Aug. 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Geranium pratense* L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Guciów village, Obrocze village (Sałata 1991); Podborcze village near Szczebrzeszyn town (LBL M-21569, 3 Aug. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b).
- *Geranium sylvaticum* L.: Batorz village (LBL M-21572, 10 July 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: forest, meadows, ditch by railway track.

Uromyces inaequialtus Lasch

HOST/SUBSTRATE/LOCALITY:

- *Silene nutans* L.: Józefów town (Sałata & Romaszewska-Sałata 1968). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest on limestone.

Uromyces laburni → ***Uromyces pisi-sativi****Uromyces loti* → ***Uromyces pisi-sativi******Uromyces minor*** J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- *Trifolium dubium* Sibth. L.: Szastarka village (LBL M-21574, 26 July 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: meadow.

Uromyces nerviphilus (Grognot) Hotson

HOST/SUBSTRATE/LOCALITY:

- *Trifolium pratense* L.: Maziarki wild. (LBL M-23820 and LBL M-23821, 18 July 1980, *leg. J. Romaszewska-Sałata*).
- *Trifolium repens* L.: Siedliska village (LBL M-21575, 6 Aug. 1991, *leg. G. Granda*); Szastarka village (LBL M-21576, 23 May 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* [2015b, as *Uromyces trifolii* (R. Hedw.) Lév. in herbarium LBL].

PLANT COMMUNITY/HABITAT: meadow, roadside.

Uromyces onobrychidis → ***Uromyces pisi-sativi****Uromyces orobi* → ***Uromyces viciae-fabae****Uromyces phaseoli* → ***Uromyces appendiculatus****Uromyces pisi* → ***Uromyces pisi-sativi******Uromyces pisi-sativi*** (Pers.) Liro

SYNONYMS: *Aecidium euphorbiae* Pers., *Uromyces laburni* (DC.) G.H. Oth., *Uromyces loti* Blytt., *Uromyces onobrychidis* (Desm.) Lév., *Uromyces pisi* (DC.) G.H. Oth., *Uromyces pisi* (Pers.) Wint., *Uromyces punctatus* J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- *Astragalus glycyphyllos* L.: Borowina village near Józefów town, Górecko Kościelne village, Józefów town, Krzywe wild. near Kosobudy village, Zwierzyniec town (Sałata & Romaszewska-Sałata 1968); Roztocze region – without precise location (Majewski 1977); Brody village near Szczebrowszyn town, Majdan Górny village (Romaszewska-Sałata 1977); Bukowa Góra res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

- *Chamaecytisus ruthenicus* (Fisch. ex Woł.) Klásk. [= *Cytisus ruthenicus* Fisch.]: Horodyszczce wild. near Kosobudy village (Sałata & Romaszewska-Sałata 1968); Roztocze region – without precise location (Majewski 1977). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Euphorbia cyparissias* L.: Jarugi res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Euphorbia esula* L.: Jarugi res. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Lathyrus pratensis* L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977). Cited by Kozłowska *et al.* (2015b).
- *Lathyrus tuberosus* L.: Roztocze – without precise location (Majewski 1977). Cited by Kozłowska *et al.* (2015b).
- *Lembotropis nigricans* (L.) Griseb. [= *Cytisus nigricans* L.]: Tomaszów Lubelski town (Błoński 1896, as *Uromyces genistae* Pers.); Wólka Wieprzecka village (Romaszewska-Sałata 1974); Roztocze region – without precise location (Majewski 1977); Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Wólka Czarnostocka village near Szczebrzeszyn town (LBL M-21573, 9 Sept. 1977, leg. A. Poświatowska). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Lotus corniculatus* L.: Majdan Górny village (Romaszewska-Sałata 1977). Cited by Kozłowska *et al.* (2015b).
- *Onobrychis viciifolia* Scop. [= *Onobrychis viciaefolia* Scop.]: Roztocze region – without precise location (Majewski 1977); Majdan Górny village (Romaszewska-Sałata 1977). Cited by Kozłowska *et al.* (2015b).
- *Pisum sativum* L.: Tomaszów Lubelski town (Błoński 1896); Hrebenne village (LBL M-21577, 12 Aug. 1991, leg. G. Grandá). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: pine forest, pine forest on limestone slope, mixed forest, forests margins (incl. fir forest), xerothermic grassland, dry thickets, roadsides, roadside ditch, farmland.

NOTES: The fungus was also listed on *Astragalus onobrychis* L. by Kozłowska *et al.* (2015b) who cited data of Romaszewska-Sałata (1975). However, Romaszewska-Sałata (l.c.) did not report this species from the Roztocze region.

Uromyces poae → *Uromyces dactylidis*

Uromyces punctatus → *Uromyces pisi-sativi*

Uromyces rumicis (Schumach.) G. Winter

HOST/SUBSTRATE/LOCALITY:

- *Rumex crispus* L.: Zwierzyniec town (Majewski 1977). Cited by Kozłowska *et al.* (2015b).
- *Rumex hydrolapathum* Huds.: Goraj village (Romaszewska-Sałata 1974). Cited by Kozłowska *et al.* (2015b).

- *Rumex obtusifolius* L.: Guciów village, Obroczy village (Sałata 1991); Hrebenne village (LBL M-21583, 12 Aug. 1991, leg. G. Granda). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: bulrushes by the pond's edge, meadow, pasture.

Uromyces scrophulariae (DC.) Berk. & Broome ex J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- *Scrophularia nodosa* L.: Bukowa Góra res. (Kochman & Sałata 1980); Nart res. [Sałata 1991, as *Uromyces scutellatus* (Pers.) Lév.]. Cited by Sałata (1991, as *Uromyces scutellatus*) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest.

Uromyces scutellatus (Schrank) Lév.

HOST/SUBSTRATE/LOCALITY:

- *Euphorbia cyparissias* L.: Bukowa Góra res. (Romaszewska-Sałata 1974); Szastarka village (LBL M-21584, 23 May 1991, leg. G. Granda). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: railway embankment, forest margin, roadsides.

Uromyces scutellatus (on *Scrophularia nodosa*) → *Uromyces scrophulariae*

Uromyces striatus J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- *Medicago falcata* L. [= *Medicago sativa* L. subsp. *falcata* (L.) Arcang.]: Józefów town (Sałata & Romaszewska-Sałata 1968); Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Maziarki wild., Stoki wild. (Sałata 1991); Bełżec village (LBL M-21586, 16 Aug. 1991, leg. G. Granda). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Medicago lupulina* L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1977); Dziełce village near Szczebrzeszyn town (LBL M-21585, 1 July 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: limestone slope, rocky roadside, roadside.

Uromyces trifolii (R. Hedw.) Lév.

HOST/SUBSTRATE/LOCALITY:

- *Trifolium medium* L.: Majdan Górny village (Romaszewska-Sałata 1977). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: meadow, roadside.

Uromyces trifolii → *Uromyces fallens*

Uromyces trifolii → *Uromyces nerviphilus*

Uromyces trifolii-hybridi → *Uromyces trifolii-repentis*

***Uromyces trifolii-repentis* Liro**

SYNONYMS: *Uromyces trifolii-hybridi* H.K.G. Paul

HOST/SUBSTRATE/LOCALITY:

- *Trifolium arvense* L.: Hrebenne village (LBL M-23792, 12 Aug. 1991, *leg. G. Granda*).
- *Trifolium hybridum* L.: Majdan Sopocki village near Nowiny village (Sałata & Romaszewska-Sałata 1968). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Trifolium repens* L.: Brody village near Szczebrzeszyn town, Panasówka village (Romaszewska-Sałata 1974); Guciów village (Sałata 1991); Szastarka village (LBL M-21588, 23 May 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: meadow, lawn, roadsides.

***Uromyces valerianae* (Schumach.) Fuckel**

HOST/SUBSTRATE/LOCALITY:

- *Valeriana angustifolia* Tausch [= *Valeriana officinalis* L. subsp. *collina* (Wallr.) Nyman]: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1975); surroundings of Szczebrzeszyn town (Majewski 1977). Cited by Romaszewska-Sałata (1977) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic grassland.

***Uromyces viciae-fabae* (Pers.) J. Schröt.**

SYNONYMS: *Uromyces fabae* (Pers.) de Bary, *Uromyces orobi* (Pers.) Lév.

HOST/SUBSTRATE/LOCALITY:

- *Lathyrus vernus* (L.) Bernh.: Goraj village (Romaszewska-Sałata 1974); Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).
- *Vicia faba* L.: Tomaszów Lubelski town (Sałata 1991).
- *Vicia sativa* L.: Siedliska village (LBL M-21589, 6 Aug. 1991, *leg. G. Granda*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Vicia sepium* L.: Goraj village (Romaszewska-Sałata 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: deciduous forest, thickets, wheat cultivation, garden.

***Ustilago* (Pers.) Roussel**

Ustilago anomala → *Microbotryum anomalum*

Ustilago avenae (Pers.) Rostr.

HOST/SUBSTRATE/LOCALITY:

- *Avena sativa* L.: Bondyryz village, Panasówka village (Sałata & Romaszewska-Sałata 1969). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: oat cultivation.

Ustilago calamagrostidis (Fuckel) G.P. Clinton

HOST/SUBSTRATE/LOCALITY:

- *Calamagrostis epigejos* (L.) Roth: Majdan Górny village (Romaszewska-Sałata 1977). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic grassland on limestone slope.

Ustilago filiformis (Schrank) Rostr.SYNONYMS: *Ustilago longissima* (Sowerby) Meyen

HOST/SUBSTRATE/LOCALITY:

- *Glyceria fluitans* (L.) R. Br.: Obroc res. (Sałata & Romaszewska-Sałata 1969). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Glyceria maxima* (C. Hartm.) Holmberg [= *Glyceria aquatica* (L.) Wahlb.]: Roztocze NP – near Stawy Echo ponds, Stoki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: bulrushes, wet meadow.

Ustilago kuehneana → *Microbotryum kuehneanum**Ustilago longissima* → *Ustilago filiformis**Ustilago neglecta* → *Macalpinomyces neglectus**Ustilago oxalidis* → *Thecaphora oxalidis**Ustilago panici-glauci* → *Macalpinomyces neglectus****Ustilago rabenhorstiana*** J.G. Kühn

HOST/SUBSTRATE/LOCALITY:

- *Digitaria ischaemum* (Schreb.) H.L. Mühl.: Obroc res. (Sałata & Romaszewska-Sałata 1969). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: sandy roadside in pine forest.

Ustilago tritici (Pers.) Rostr.

HOST/SUBSTRATE/LOCALITY:

- *Triticum aestivum* L.: Bondyryz village (Sałata & Romaszewska-Sałata 1969); Zarzecze village near Kosobody village (Sałata 1991). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: wheat cultivation.

Ustilago violacea (on *Melandrium album*) → *Microbotryum lychnidis-dioicae*

Ustilago violacea (on *Saponaria officinalis*) → *Microbotryum violaceum*

Volvariella Speg.

Volvariella bombycina (Schaeff.) Singer

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten logs and stumps): Bukowa Góra res. (Sałata 1972; Skirgiełło 1972, 2000); Czerkies res., Obroczy res. (Sałata 1972). Cited by Sałata (1991), Szczepka & Sokół (2000), Wojewoda (2003), Flisińska (2004), Szczepkowski *et al.* (2013a) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Volvariella hypopithys (Fr.) M.M. Moser [as ‘*hypopitys*’]

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): surroundings of Zwierzyniec town (Domański 1997); Zwierzyniec town (Domański 1999; Skirgiełło 2000). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, margin of pine forest.

Volvariella murinella (Quél.) M.M. Moser

HOST/SUBSTRATE/LOCALITY:

- Soil: surroundings of Zwierzyniec town (Domański 1997); Zwierzyniec town (Domański 1999a). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, pine forest with large admixture of fir.

Volvariella pusilla (Pers.) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil (among grass): Zwierzyniec town (Domański 1999; Skirgiełło 2000). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine-fir forest.

Volvariella volvacea (Bull.) Singer

HOST/SUBSTRATE/LOCALITY:

- Soil: Zwierzyniec town (Skirgiełło 2000). Cited by Wojewoda (2003) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: pine forest.

Xerocomellus* Šutara**Xerocomellus chrysenteron* (Bull.) Šutara**

SYNONYMS: *Xerocomus chrysenteron* (Bull.) Quél., *Xerocomus chrysenteron* f. *chrysenteron* (Bull.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze Środkowe region – without precise location (Sałata 1969a); Bukowa Góra res., Czerkies res., Nart res., Obroc res. (Sałata 1972); Roztocze NP – without precise location (Sałata 1988; Chmiel *et al.* 1994); Florianka wild. (Sałata 1991); Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Batorz village, Jarugi res., Maziarki wild., Olszanka village, Tarnawa village, Zdziłowice village (Flisińska 2004). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Pino-Quercetum*, *Tilio-Carpinetum*, fir forest.

***Xerocomellus rubellus* (Krombh.) Šutara**

SYNONYMS: *Xerocomus rubellus* (Krombh.) Quél.

HOST/SUBSTRATE/LOCALITY:

- Soil: Roztocze Gorajskie region – without precise location (Flisińska & Sałata 1997); Tarnawa Duża village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*.

***Xerocomellus truncatus* (Singer, Snell & E.A. Dick) Klofac**

SYNONYMS: *Xerocomus chrysenteron* (Bull.) Quél. f. *truncatus* (Singer, Snell & E.A. Dick) Sałata, *Xerocomus truncatus* Singer, Snell & E.A. Dick

HOST/SUBSTRATE/LOCALITY:

- Soil: Czerkies res., Obroc res. (Sałata 1971, 1972). Cited by Sałata (1991), Wojewoda (2003, as *Xerocomus porosporus* Imler), Flisińska [2004, as *Xerocomus chrysenteron* (Bull. ex St.-Amans) Quél.] and Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Xerocomus badius → ***Imleria badia***

Xerocomus chrysenteron → ***Xerocomellus chrysenteron***

Xerocomus chrysenteron → ***Xerocomellus truncatus***

Xerocomus chrysenteron f. *chrysenteron* → ***Xerocomellus chrysenteron***

Xerocomus chrysenteron f. *truncatus* → ***Xerocomellus truncatus***

Xerocomus parasiticus → ***Pseudoboletus parasiticus***

Xerocomus porosporus → ***Xerocomellus truncatus***

Xerocomus rubellus → ***Xerocomellus rubellus***

Xerocomus spadiceus → ***Boletus ferrugineus***

Xerocomus subtomentosus → ***Boletus subtomentosus***

Xerocomus truncatus → ***Xerocomellus truncatus***

Xeromphalina Kühner & Maire*Xeromphalina campanella* (Batsch) Kühner & Maire

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten wood): Bukowa Góra res., Czerkies res., Obroc res. (Sałata 1972). Cited by Sałata (1991), Flisińska (2004) and Kozłowska *et al.* (2015a).
- Rotten logs and stumps of coniferous trees: Roztocze Środkowe region – without precise location (Sałata 1969a); Zwierzyniec town – Biały Słup district (Sałata 1991); Zdziłowice village (Flisińska 2004). Cited by Kozłowska *et al.* (2015a).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.*Xeromphalina caulicinalis* → *Xeromphalina cornui**Xeromphalina cornui* (Quél.) Favre

HOST/SUBSTRATE/LOCALITY:

- Litter of coniferous trees: Bukowa Góra res., Obroc res. (Sałata 1972); Stoki wild. [Sałata 1991, as *Xeromphalina caulicinalis* (Fr.) Kühner & Maire; Flisińska 2004]. Cited by Sałata (1991, as *Xeromphalina caulicinalis*), Wojewoda (2003), Flisińska (2004) and Kozłowska *et al.* (2015a). NOTES: Probably the name *Xeromphalina caulicinalis* should be the *X. caudicinalis* due to misprint.

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Vaccinio myrtilli-Pinetum*, fir forest, pine forest.*Xerula radicata* → *Hymenopellis radicata***BLASTOCLADIOMYCOTA***Physoderma* Wallr.*Physoderma menyanthis* (de Bary) de Bary

HOST/SUBSTRATE/LOCALITY:

- *Menyanthes trifoliata* L.: Obroc village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: drainage ditch on meadow.

CHYTRIDIOMYCOTA

Synchytrium de Bary & Woronin

Synchytrium anemones (DC.) Woronin

HOST/SUBSTRATE/LOCALITY:

- *Anemone nemorosa* L.: Bukowa Góra res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: beech forest.

Synchytrium chrysosplenii Sorokin

HOST/SUBSTRATE/LOCALITY:

- *Chrysosplenium alternifolium* L.: Czerkies res. (Romaszewska-Sałata 1981, without precise location from Roztocze NP; Sałata 1991). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: beech forest.

GLOMEROMYCOTA

Acaulospora Gerd. & Trappe

Acaulospora lacunosa J.B. Morton

HOST/SUBSTRATE/LOCALITY:

- Among roots of *Festuca rubra* L. s.str.: Zwierzyniec town (Błaszowski 2012). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Acaulospora laevis Gerd. & Trappe

HOST/SUBSTRATE/LOCALITY:

- Mycorrhizal partner not specified (rhizosphere): Nart res., Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Claroideoglossus C. Walker & A. Schüßler

Claroideoglossus etunicatum (W.N. Becker & Gerd.) C. Walker & A. Schüßler

SYNONYMS: *Glomus etunicatum* W.N. Becker & Gerd.

HOST/SUBSTRATE/LOCALITY:

- Mycorrhizal partner not specified (rhizosphere): Nart res., Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Funneliformis C. Walker & A. Schüßler

Funneliformis geosporum (T.H. Nicolson & Gerd.) C. Walker & A. Schüßler

SYNONYMS: *Glomus geosporum* (T.H. Nicolson & Gerd.) C. Walker

HOST/SUBSTRATE/LOCALITY:

- Mycorrhizal partner not specified (rhizosphere): Nart res., Obrocz res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Funneliformis mosseae (T.H. Nicolson & Gerd.) C. Walker & A. Schüßler

SYNONYMS: *Glomus mosseae* (T.H. Nicolson & Gerd.) Gerd. & Trappe

HOST/SUBSTRATE/LOCALITY:

- Mycorrhizal partner not specified (rhizosphere): Nart res., Obrocz res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Gigaspora calospora → ***Scutellospora calospora***

Glomus Tul. & C. Tul.

Glomus aggregatum N.C. Schenk & G.S. Sm.

HOST/SUBSTRATE/LOCALITY:

- Mycorrhizal partner not specified (rhizosphere): Nart res., Obrocz res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991 as *Glomus aggregatus*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Glomus dominikii → ***Pacispora scintillans***

Glomus etunicatum → ***Claroideoglomus etunicatum***

Glomus fasciculatum → ***Rhizophagus fasciculatus***

Glomus geosporum → ***Funneliformis geosporum***

Glomus macrocarpum Tul. & C. Tul.

HOST/SUBSTRATE/LOCALITY:

- Mycorrhizal partner not specified (rhizosphere): Nart res., Obrocz res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991); Roztocze NP – without precise location (Błaszowski 2012). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Glomus microcarpum Tul. & C. Tul.

HOST/SUBSTRATE/LOCALITY:

- Mycorrhizal partner not specified (rhizosphere): Nart res., Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Glomus mosseae → ***Funneliformis mosseae******Pacispora*** Sieverd. & Oehl***Pacispora franciscana*** Sieverd. & Oehl

HOST/SUBSTRATE/LOCALITY:

- Rhizosphere of ***Festuca rubra*** L. s.str.: Zwierzyniec town (Błaszowski 2012). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Pacispora scintillans (S.L. Rose & Trappe) Sieverd. & Oehl ex C. Walker, Vestberg & A. SchüßlerSYNONYMS: *Glomus dominikii* Błasz.

HOST/SUBSTRATE/LOCALITY:

- Rhizosphere of ***Festuca rubra*** L. s.str.: Zwierzyniec town (Błaszowski 2012). Cited by Kozłowska *et al.* (2015b).
- Mycorrhizal partner not specified (rhizosphere): Nart res., Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Rhizophagus P.A. Dang.***Rhizophagus fasciculatus*** (Thaxt.) C. Walker & A. SchüßlerSYNONYMS: *Glomus fasciculatum* (Thaxt.) Gerd. & Trappe

HOST/SUBSTRATE/LOCALITY:

- Mycorrhizal partner not specified (rhizosphere): Nart res., Obroc res. (Sałata 1988, without precise location from Roztocze NP; Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Scutellospora C. Walker & F.E. Sanders***Scutellospora calospora*** (T.H. Nicolson & Gerd.) C. Walker & F.E. SandersSYNONYMS: *Gigaspora calospora* (T.H. Nicolson & Gerd.) Gerd. & Trappe

HOST/SUBSTRATE/LOCALITY:

- Mycorrhizal partner not specified (rhizosphere): Roztocze NP – without precise location (Sałata 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Scutellospora dipurpurescens J.B. Morton & Koske

HOST/SUBSTRATE/LOCALITY:

- Rhizosphere of *Festuca polesica* Zapal.: Roztocze NP – without precise location (Błaszowski 2012). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Scutellospora pellucida (T.H. Nicolson & N.C. Schenck) C. Walker & F.E. Sanders

HOST/SUBSTRATE/LOCALITY:

- Under *Festuca rubra* L. s.str.: Zwierzyniec town (Błaszowski 2012). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Chromista**OOMYCOTA***Albugo* (Pers.) Roussel*Albugo amarantii* → *Wilsoniana bliti**Albugo candida* (Pers.) Roussel

HOST/SUBSTRATE/LOCALITY:

- *Armoracia rusticana* P. Gaertn., B. Mey. & Scherb. [= *Armoracia lapathifolia* Gilib.]: Gora-jec-Stara Wieś village (LBL M-21429, 30 June 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Capsella bursa-pastoris* (L.) Medik.: Tomaszów Lubelski town, Zwierzyniec town (Sałata 1991); Tarnawa village (LBL M-21430, 22 June 1981, *leg. A. Piotrowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Descurainia sophia* (L.) Webb ex Prantl: Szczebrzeszyn town (Sałata & Romaszewska-Sałata 1970). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Raphanus raphanistrum* L.: Obroc village (Sałata 1991).
- *Sinapis arvensis* L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1973). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadsides.

Bremia Regel**Bremia lactucae** Regel

HOST/SUBSTRATE/LOCALITY:

- *Arctium lappa* L.: Zaburze village near Szczebrzeszyn town (LBL M-21431, 14 Sept. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Arctium minus* (Hill) Bernh.: Kosobudy village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Arctium* sp.: Maziarki wild. (Sałata 1991).
- *Helichrysum bracteatum* (Vent.) Andrews: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Hieracium murorum* L.: Maziarki wild. (Sałata 1991).
- *Hieracium pilosella* L.: Zwierzyniec town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Lactuca sativa* L.: Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen) and Mułenko *et al.* (2015).
- *Lapsana communis* L.: Czarnystok village near Szczebrzeszyn town (LBL M-21434, 10 Sept. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Leontodon autumnalis* L.: Bukowa Góra res. (Sałata 1991).
- *Mycelis muralis* (L.) Dumort.: Szczebrzeszyn town – Szczerówka district (LBL M-21435, 1 Sept. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Senecio vernalis* Waldst. & Kit.: Józefów town (Sałata & Romaszewska-Sałata 1970); Zwierzyniec town (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- *Sonchus arvensis* L.: Szczebrzeszyn town (Romaszewska-Sałata 1973). Cited by Kozłowska *et al.* (2015b).
- *Sonchus oleraceus* L.: Gorajec Zagroble village near Szczebrzeszyn town (LBL M-21436, 18 Aug. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- *Taraxacum officinale* F.H. Wigg. [= *Taraxacum officinale* Weber]: Bukowa Góra res. (Sałata 1991).

PLANT COMMUNITY/HABITAT: oak forest, pine forest, grassy roadsides in forests (incl. fir forest), forst glades, deciduous forest, thickets, garden, farmland, cereal cultivations.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Romaszewska-Sałata (1981) and Chmiel *et al.* (1994).

Hyaloperonospora Constant.

Hyaloperonospora berteroeae (Gäum.) Göker, Riethm., Voglmayr, Weiss & Oberw.

SYNONYMS: *Peronospora berteroeae* Gäum.

HOST/SUBSTRATE/LOCALITY:

- *Berteroa incana* (L.) DC.: Zwierzyniec town – near Stawy Echo ponds (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside in pine forest.

Hyaloperonospora brassicae (Gäum.) Göker, Voglmayr, Riethm., Weiss & Oberw.

SYNONYMS: *Peronospora brassicae* Gäum.

HOST/SUBSTRATE/LOCALITY:

- *Raphanus raphanistrum* L.: Obroc village (Sałata 1991).
 – *Sinapis arvensis* L.: Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside, farmland.

Hyaloperonospora cardamines-laciniatae (Gäum.) Voglmayr

SYNONYMS: *Peronospora cardamines-laciniatae* Gäum.

HOST/SUBSTRATE/LOCALITY:

- *Dentaria bulbifera* L.: Czerkies res. (LBL M-21441, 8 May 1967, *leg. B. Sałata*).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Hyaloperonospora parasitica (Pers.) Constant.

SYNONYMS: *Peronospora dentariae* Rabenh., *Peronospora parasitica* (Pers.) Fr.

HOST/SUBSTRATE/LOCALITY:

- *Capsella bursa-pastoris* (L.) Medik.: Tomaszów Lubelski town, Zwierzyniec town (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
 – *Cardamine impatiens* L.: Czerkies res. (Kochman & Majewski 1970; Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
 – *Dentaria bulbifera* L. [= *Cardamine bulbifera* (L.) Cranz]: Czerkies res., Obroc res. (Sałata & Romaszewska-Sałata 1970); Nart res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest, along a road in beech forest, roadsides.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Romaszewska-Sałata (1981) and Mułenko *et al.* (2015).

Hyaloperonospora sisymbrii-sophiae (Gäum.) Göker, Voglmayr & Oberw.

SYNONYMS: *Peronospora sisymbrii-sophiae* Gäum.

HOST/SUBSTRATE/LOCALITY:

- *Descurainia sophia* (L.) Webb ex Prantl: Zwierzyniec town (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Paraperonospora Constant.***Paraperonospora leptosperma*** (de Bary) Constant.SYNONYMS: *Plasmopara leptosperma* (de Bary) Skalický

HOST/SUBSTRATE/LOCALITY:

- ***Chamomilla suaveolens*** (Pursh) Rydb. [= *Matricaria discoidea* DC.]: Szczebrzeszyn town (Sałata & Romaszewska-Sałata 1970); Dzielce village near Szczebrzeszyn town (LBL M-21452, 5 Oct. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, also as herbarium LBL specimen).
- ***Matricaria maritima*** L. subsp. ***inodora*** (L.) Dostál [= *Tripleurospermum inodorum* (L.) Sch. Bip.]: Szczebrzeszyn town (Sałata & Romaszewska-Sałata 1970). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside, near old hause.

Peronoplasmopara humuli → ***Pseudoperonospora cubensis******Peronospora*** Corda***Peronospora aestivalis*** Syd.

HOST/SUBSTRATE/LOCALITY:

- ***Medicago sativa*** L.: Szczebrzeszyn town (Romaszewska-Sałata 1973).

PLANT COMMUNITY/HABITAT: alfalfa cultivations.

Peronospora affinis Rossmann

HOST/SUBSTRATE/LOCALITY:

- ***Fumaria officinalis*** L.: Brody village near Szczebrzeszyn town, Hamernia village (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Fumaria vaillantii*** Loisel.: Żurawnica village near Zwierzyniec town (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: wheat cultivation, cereal cultivations on limestone soil, near the rubbish heap.

Peronospora agrestis Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Veronica arvenis*** L.: Brody village near Szczebrzeszyn town (Sałata & Romaszewska-Sałata 1970); Kosobudy village (Sałata 1991). Cited by Kozłowska *et al.* (2015b).
- ***Veronica verna*** L.: Kosobudy village (Sałata 1991).

PLANT COMMUNITY/HABITAT: roadside in pine forest, farmland.

Peronospora agrostemmatidis → ***Peronospora dianthi***

Peronospora alsinearum Casp.

HOST/SUBSTRATE/LOCALITY:

- ***Stellaria media*** (L.) Vill.: Kosobudy village (Romaszewska-Sałata 1973). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: farmland.

Peronospora alta Fuckel

HOST/SUBSTRATE/LOCALITY:

- ***Plantago intermedia*** Gilib.: Tomaszów Lubelski town (LBL M-21437, 3 July 1982, leg. A. Piotrowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).
- ***Plantago major*** L.: Kosobudy village, Szczepieszyn town (Romaszewska-Sałata 1973); Guciów village, Łosiniec village, Tomaszów Lubelski town (Sałata 1991). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: meadow, roadsides, paths.

Peronospora aparines (de Bary) Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Galium aparine*** L.: Panasówka village, Sochy village (Sałata & Romaszewska-Sałata 1970); Hamernia village (Romaszewska-Sałata 1973). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: cereal cultivations, roadsides.

Peronospora arabidiopsidis Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Arabidopsis thaliana*** (L.) Heynh.: Józefów town (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: farmland.

Peronospora arborescens (Berk.) de Bary

HOST/SUBSTRATE/LOCALITY:

- ***Papaver rhoeas*** L.: Józefów town (Sałata & Romaszewska-Sałata 1970; Wrońska 1980). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Papaver somniferum*** L.: Lubycza Królewska town (LBL M-21438, 23 Aug. 1982, leg. A. Piotrowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: farmlands, garden.

Peronospora berteroeae → ***Hyaloperonospora berteroeae****Peronospora brassicae* → ***Hyaloperonospora brassicae***

Peronospora calothea de Bary

HOST/SUBSTRATE/LOCALITY:

- ***Galium odoratum*** (L.) Scop. [= *Asperula odorata* L.]: Czerkies res., Obroc res. (Sałata & Romaszewska-Sałata 1970); Kosobudy village (Romaszewska-Sałata 1973); Jarugi res., Kamienna Góra wild., Łosiniec village, Maziarki wild., Nart res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Tilio-Carpinetum*, beech forest, deciduous forest.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Peronospora campestris Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Arenaria serpyllifolia*** L.: Zwierzyniec town – near Stawy Echo ponds (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside in pine forest.

Peronospora cardamines-laciniatae → ***Hyaloperonospora cardamines-laciniatae****Peronospora chenopodii* → ***Peronospora farinosa******Peronospora chrysoplenii*** Fuckel

HOST/SUBSTRATE/LOCALITY:

- ***Chrysoplenium alternifolium*** L.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets on meadow.

Peronospora conferta (Unger) Unger

HOST/SUBSTRATE/LOCALITY:

- ***Cerastium holosteoides*** Fr. emend. Hyl. [= *Cerastium fontanum* Baumg. subsp. *triviale* (Link) J alas, *Cerastium vulgatum* L.]: Zwierzyniec town (Sałata 1991); Lubycza Królewska town (LBL M-21445, 20 June 1991, *leg.* G. Granda); Maziarki wild. (LBL M-21443, 18 July 1980, *leg.* J. Romaszewska-Sałata); Tarnawa village (LBL M-21444, 30 Apr. 1977, *leg.* T. Bartnik). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: deciduous forest, forest margin, meadow by the Por river.

Peronospora conglomerata Fuckel

HOST/SUBSTRATE/LOCALITY:

- ***Geranium pusillum*** Burm. f. ex L.: Zwierzyniec town – near Stawy Echo ponds (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: roadside.

Peronospora coronillae Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Coronilla varia*** L.: Roztocze NP – without precise location (Romaszewska-Sałata 1981; Chmiel *et al.* 1994); Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Peronospora corydalis de Bary

HOST/SUBSTRATE/LOCALITY:

- ***Corydalis solida*** (L.) Clairv.: Czerkies res. (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest.

Peronospora dentariae → ***Hyaloperonospora parasitica******Peronospora dentariae-macrophyllae*** Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Dentaria glandulosa*** Waldst. & Kit. [= *Cardamine glandulifera* O. Schwarz]: Czerkies res., Obroc res. (Sałata & Romaszewska-Sałata 1970); Bukowa Góra res., Jarugi res., Nart res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the paper by Romaszewska-Sałata (1981).

Peronospora dianthi de BarySYNONYMS: *Peronospora agrostematis* (Thüm.) Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Agrostemma githago*** L.: Panasówka village (Sałata & Romaszewska-Sałata 1970). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: cereal cultivations.

Peronospora ducometii Siem. et Jank.

HOST/SUBSTRATE/LOCALITY:

- ***Fagopyrum esculentum*** Moench [= *Fagopyrum sagittatum* Gilib.]: Panasówka village (Sałata & Romaszewska-Sałata 1970).

PLANT COMMUNITY/HABITAT: buckwheat cultivations.

Peronospora farinosa (Fr.) Fr.SYNONYMS: *Peronospora chenopodii* Schldl.

HOST/SUBSTRATE/LOCALITY:

- ***Chenopodium album*** L.: Szczebrzeszyn town (Sałata & Romaszewska-Sałata 1970); Kosobudy village (Sałata 1991). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Peronospora ficariae Tul.

HOST/SUBSTRATE/LOCALITY:

- ***Ficaria verna*** Huds.: Guciów village (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets on meadow.

Peronospora galii Fuckel

HOST/SUBSTRATE/LOCALITY:

- ***Galium schultesii*** Vest: Roztocze NP – without precise location (Romaszewska-Sałata 1981; Chmiel *et al.* 1994); Maziarki wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b).
- ***Galium spurium*** L.: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1973).

PLANT COMMUNITY/HABITAT: oak forest, cereal cultivations on limestone soil.

Peronospora grisea (Unger) de Bary

HOST/SUBSTRATE/LOCALITY:

- ***Veronica beccabunga*** L.: Józefów town (Sałata & Romaszewska-Sałata 1970); Obocz village (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: wet meadow.

Peronospora hiemalis Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Ranunculus acris*** L.: Guciów village (Sałata 1991).

PLANT COMMUNITY/HABITAT: meadow.

Peronospora humuli → ***Pseudoperonospora cubensis******Peronospora lamii*** A. BraunSYNONYMS: *Peronospora swinglei* Ellis & Everh.

HOST/SUBSTRATE/LOCALITY:

- ***Lamium amplexicaule*** L.: Sochy village (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Lamium maculatum*** L.: Guciów village (Sałata 1991).

- *Salvia verticillata* L.: Brody village near Szczepieszyn town (Romaszewska-Sałata 1975). Cited by Romaszewska-Sałata (1977) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: xerothermic grassland, thickets on meadow, farmland.

Peronospora linariae Fuckel

HOST/SUBSTRATE/LOCALITY:

- *Chaenorhinum minus* (L.) Lange [= *Linaria minor* (L.) Desf.]: Brody village near Szczepieszyn town (Sałata & Romaszewska-Sałata 1970). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: clover cultivation.

Peronospora lithospermi Gäum.

HOST/SUBSTRATE/LOCALITY:

- *Lithospermum arvense* L. [= *Buglossoides arvensis* (L.) I. M. Johnst.]: Brody village near Szczepieszyn town, Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: farmland.

Peronospora melandrii → ***Peronospora melandryi-noctiflori***

Peronospora melandryi-noctiflori Sävil. & Rayss

HOST/SUBSTRATE/LOCALITY:

- *Melandrium noctiflorum* (L.) Fr.: Brody village near Szczepieszyn town (Romaszewska-Sałata 1973, as *Peronospora melandrii* Gäum.). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: cereal cultivations on limestone soil.

Peronospora myosotidis de Bary

HOST/SUBSTRATE/LOCALITY:

- *Myosotis arvensis* (L.) Hill: Brody village near Szczepieszyn town (Sałata & Romaszewska-Sałata 1970). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: rye cultivation.

Peronospora obovata Bonord.

HOST/SUBSTRATE/LOCALITY:

- *Spergula arvensis* L.: Kosobudy village (Romaszewska-Sałata 1973). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: farmland.

Peronospora parasitica → ***Hyaloperonospora parasitica***

Peronospora parva Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Stellaria holostea*** L.: Czerkies res. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: fir forest.

Peronospora paula A. Gustavsson

HOST/SUBSTRATE/LOCALITY:

- ***Cerastium fontanum*** Baumg.: Kamienna Góra wild. (Sałata 1991). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: forest glade.

Peronospora polygoni-convolvuli A. Gustavsson

HOST/SUBSTRATE/LOCALITY:

- ***Fallopia convolvulus*** (L.) Á. Löve [= *Bilderdykia convolvulus* (L.) Dumort., *Polygonum convolvulus* L.]: Brody village near Szczepieszyn town, Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1970); Obrocż village (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: cereal cultivation, thickets.

Peronospora radii de Bary

HOST/SUBSTRATE/LOCALITY:

- ***Anthemis arvensis*** L.: Zwierzyniec town – Biały Słup district (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Peronospora ranunculi Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Ranunculus flammula*** L.: Obrocż village (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Ranunculus repens*** L.: Obrocż village (Sałata & Romaszewska-Sałata 1970); Guciów village, Jarugi res., Kamienna Góra wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: meadows, roadsides.

Peronospora romanica Sävil. & Rayss

HOST/SUBSTRATE/LOCALITY:

- ***Medicago lupulina*** L.: Józefów town (Sałata & Romaszewska-Sałata 1970); Jarugi res. (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: forest glade, roadsides, fallow.

Peronospora sisymbrii-officinalis Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Sisymbrium officinale*** (L.) Scop.: Panasówka village, Zwierzyniec town (Sałata & Romaszewska-Sałata 1970); Kosobudy village (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Peronospora sisymbrii-sophiae → ***Hyaloperonospora sisymbrii-sophiae******Peronospora sordida*** Berk.

HOST/SUBSTRATE/LOCALITY:

- ***Scrophularia scopolii*** Hoppe.: Czerkies res., Zwierzyniec town (Sałata & Romaszewska-Sałata 1970). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: demarcation line in beech-fir forest, thickets near the rubbish heap.

Peronospora swinglei → ***Peronospora lamii****Peronospora trifolii-hybridi* → ***Peronospora trifoliorum******Peronospora trifoliorum*** de BarySYNONYMS: *Peronospora trifolii-hybridi* Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Trifolium hybridum*** L.: Obrocze res. (Sałata 1991).
- ***Trifolium pratense*** L.: Szczebrzeszyn town (Romaszewska-Sałata 1973). Cited by Kozłowska *et al.* (2015b).
- ***Trifolium repens*** L.: Bukowa Góra res., near Stawy Echo ponds (Sałata 1991).

PLANT COMMUNITY/HABITAT: road in forest, roadsides.

Peronospora valerianellae Fuckel

HOST/SUBSTRATE/LOCALITY:

- ***Valerianella dentata*** (L.) Pollich: Brody village near Szczebrzeszyn town (Romaszewska-Sałata 1973). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: cereal cultivations on limestone soil.

Peronospora vernalis Gäum.

HOST/SUBSTRATE/LOCALITY:

- ***Spergula morisonii*** Boreau [= *Spergula vernalis* Willd.]: Obrocze res. (Sałata & Romaszewska-Sałata 1970); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: sandy roadside.

Peronospora viciae (Berk.) de Bary

HOST/SUBSTRATE/LOCALITY:

- ***Vicia sativa*** L.: Panasówka village (Sałata & Romaszewska-Sałata 1970). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: vetch cultivations.

Peronospora violae de Bary

HOST/SUBSTRATE/LOCALITY:

- ***Viola arvensis*** Murray: Majdan Sopocki village near Nowiny village, Sochy village (Sałata & Romaszewska-Sałata 1970); Kosobudy village (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: cereal cultivations.

Phytophthora de Bary***Phytophthora infestans*** (Mont.) de Bary

HOST/SUBSTRATE/LOCALITY:

- ***Solanum tuberosum*** L.: Hrebenne (Garbowski 1935); Tomaszów Lubelski town (Sałata 1991). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: farmland.

Plasmopara J. Schröt.*Plasmopara aegopodii* → ***Plasmopara nivea******Plasmopara angustiterminalis*** Novot.

HOST/SUBSTRATE/LOCALITY:

- ***Xanthium strumarium*** L.: Zwierzyniec town (Sałata 1969b; Kochman & Majewski 1970). Cited by Sałata & Romaszewska-Sałata (1970), Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: roadside.

Plasmopara densa (Rabenh.) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Odontites verna*** (Bellardi) Dumort.: Żurawnica village near Zwierzyniec town (Sałata & Romaszewska-Sałata 1970); Brody village near Szczepieszyn town (Romaszewska-Sałata 1973). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Rhinanthus serotinus*** (Schönh.) Oborný [= *Alectorolophus glaber* (Lam.) Beck, *Rhinanthus angustifolius* C.C. Gmel. subsp. *angustifolius*]: Józefów town (Sałata & Romaszewska-Sałata 1970); Guciów village (Sałata 1991). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: wet meadow, cereal cultivations on limestone soil, rye cultivation.

Plasmopara leptosperma → *Paraperonospora leptosperma****Plasmopara nivea*** (Unger) J. Schröt.

SYNONYMS: *Plasmopara aegopodii* (Casp.) Trotter, *Plasmopara umbelliferarum* (Casp.) J. Schröt. ex Wartenw.

HOST/SUBSTRATE/LOCALITY:

- ***Aegopodium podagraria*** L.: Bondyryz village, Józefów town, Otrocz village, Zwierzyniec town (Sałata & Romaszewska-Sałata 1970); Obroc res. (Sałata & Romaszewska-Sałata 1970; Sałata 1991); Szczebreszyn town (Romaszewska-Sałata 1973); Bukowa Góra res., Jarugi res., Maziarki wild. (Sałata 1991); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Sałata (1991), Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- ***Angelica sylvestris*** L.: Maziarki wild. (Sałata 1991).
- ***Chaerophyllum aromaticum*** L.: Goraj village (Sałata & Romaszewska-Sałata 1970).
- ***Peucedanum palustre*** (L.) Moench: Kruglik wild. (Sałata 1991); Gorajec Zagroble village (LBL M-21458, 3 Sept. 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, roadsides in *Tilio-Carpinetum*, alder forest, oak forest, ravine, garden, park.

NOTES: Information about the occurrence of the fungus species in the Roztocze region was also provided in the papers by Romaszewska-Sałata (1981) and Chmiel *et al.* (1994).

Plasmopara pusilla (de Bary) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Geranium pratense*** L.: Guciów village, Obroc village, Susiec village (Sałata 1991); Podborcze village near Szczebreszyn town (LBL M-21453, 29 May 1977, *leg. A. Poświatowska*). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: meadows, roadsides.

Plasmopara pygmaea (Unger) J. Schröt.

HOST/SUBSTRATE/LOCALITY:

- ***Anemone nemorosa*** L.: Czerkies res. (Sałata & Romaszewska-Sałata 1970); between Pana-sówka village and Zwierzyniec town (Romaszewska-Sałata 1973); Guciów village, Maziarki wild., Obroc village (Sałata 1991); Szczebreszyn town – Szperówka district (LBL M-21455, 10 May 1977, *leg. A. Poświatowska*). Cited by Sałata (1991) and Kozłowska *et al.* (2015b).
- ***Anemone sylvestris*** L.: Brody village near Szczebreszyn town (Romaszewska-Sałata 1975). Cited by Romaszewska-Sałata (1977, 1982) and Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: beech forest, deciduous forest, xerothermic grassland, thickets.

Plasmopara umbelliferarum → *Plasmopara nivea*

Pseudoperonospora Rostovzev***Pseudoperonospora cubensis*** (Berk. & M.A. Curtis) Rostovzev

SYNONYMS: *Peronoplasmopara humuli* Miyabe & Takah., *Peronospora humuli* (Miyabe & Takah.) Skalický

HOST/SUBSTRATE/LOCALITY:

- *Humulus lupulus* L.: Guciów village, Obrocz village (Sałata 1991); Karczmiska village near Józefów town (LBL M-21447, 25 June 1967, leg. B. Sałata); Radecznica village near Szczepieszyn town (LBL M-21448, 15 Aug. 1977, leg. A. Poświatowska). Cited by Kozłowska *et al.* (2015b, as herbarium LBL specimen).

PLANT COMMUNITY/HABITAT: thickets (by the river and on meadow), roadside.

Wilsoniana Thines***Wilsoniana bliti*** (Biv.) Thines

SYNONYMS: *Albugo amaranthi* (Schwein.) Kuntze

HOST/SUBSTRATE/LOCALITY:

- *Amaranthus retroflexus* L.: Zwierzyniec town (Sałata & Romaszewska-Sałata 1970). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: at the fence.

Protozoa**AMOEBOZOA*****Arcyria*** Hill ex F.H. Wigg.***Arcyria cinerea*** (Bull.) Pers.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Kosobudy village, Topólcza village and Jeliczny Dół ravine near Szczepieszyn town (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Arcyria denudata (L.) Wettst.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Bukowa Góra res. (Wrońska 1974); Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (rotten trunks): Hrebenne village (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*.

Arcyria ferruginea Saut. var. ***cornuvioides*** Racib.SYNONYMS: *Arcyria cornuvioides* Racib.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten logs): Obroc res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (rotten logs): Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Arcyria ferruginea*** var. ***ferruginea***

HOST/SUBSTRATE/LOCALITY:

- Logs of coniferous trees (incl. *Abies alba* Mill.): Nart res. (Drozdowicz 1988); Bukowa Góra res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.NOTES: According to Krzemieniewska (1960), *Arcyria cornuvioides* is an independent species. In all papers the species was reported as *Arcyria cornuvioides* Racib.***Arcyria incarnata*** (Pers.) Pers.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Arcyria insignis var. *major* → ***Arcyria major******Arcyria major*** (G. Lister) IngSYNONYMS: *Arcyria insignis* Kalchbr. & Cooke var. *major* G. Lister

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Czartowe Pole res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Arcyria nutans (Bull.) Grev.

HOST/SUBSTRATE/LOCALITY:

- Rotten logs, stumps and fallen branches of deciduous tress (*Carpinus betulus* L., *Fagus sylvatica* L.) and coniferous trees (*Abies alba* Mill.): Bukowa Góra res., Topólcza village and Jeliczny Dół ravine near Szczepreszyn town (Wrońska 1974); Czerkies res. (Wrońska 1974, 1979); Jarugi res., Maziarki wild. (Wrońska 1979); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Badhamia* Berk.**Badhamia macrocarpa* (Ces.) Rostaf.**

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Bukowa Góra res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- Log of deciduous tree (bark): Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Collaria* Nann.-Bremek.*****Collaria arcyryonema* (Rostaf.) Nann.-Bremek. ex Lado**SYNONYMS: *Lamproderma arcyryonema* Rostaf.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

***Collaria elegans* (Racib.) Dhillon & Nann.-Bremek. ex Ing**SYNONYMS: *Comatricha elegans* (Racib.) Lister

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Czartowe Pole res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Comatricha elegans → ***Collaria elegans******Cribraria* Pers.*****Cribraria cancellata* (Batsch) Nann.-Bremek. var. *cancellata***SYNONYMS: *Dictydium cancellatum* (Batsch) T. Macbr., *Dictydium cancellatum* var. *anomalum* T. Macbr.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten wood): Nart res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- *Pinus sylvestris* L. [rotten stump – between *Dicranella heteromalla* (Hedw.) Schimp.; mosses]: Kawęczyn village near Szczebrzeszyn town (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

***Cribraria dictydioides* Cooke & Balf. f. ex Masee**

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Cribraria intricata Schrad.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (mossy log, rotten stump): Czerkies res. (Wrońska 1974); Maziarki wild. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Cribraria macrocarpa Schrad.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Cribraria rufa*** (Roth) Rostaf.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Bukowa Góra res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.*Dictydium cancellatum* → ***Cribraria cancellata*** var. *cancellata**Dictydium cancellatum* var. *anomalum* → ***Cribraria cancellata*** var. *cancellata****Didymium*** Schrad.***Didymium clavus*** (Alb. & Schwein.) Rabenh.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Bukowa Góra res., Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.***Didymium difforme*** (Pers.) Gray

HOST/SUBSTRATE/LOCALITY:

- *Viscum* sp. (fallen leaves): Bukowa Góra res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- Dung of herbivores: Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Didymium melanospermum*** (Pers.) T. Macbr.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (fallen twigs): Bukowa Góra res. (Wrońska 1974, 1979). Cited by Kozłowska *et al.* (2015b).

- *Larix* sp. (fallen needles): Bukowa Góra res. – sect. 105 (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- Rotten wood of stumps, logs, twigs and branches of deciduous trees (incl. *Alnus* sp., *Carpinus betulus* L., *Fagus sylvatica* L.) and coniferous trees (*Pinus sylvestris* L.), plant litter, stems of mosses: Bukowa Góra res., Obrocze res. (Wrońska 1974); Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, margin of young pine forest.

Didymium minus (Lister) Morgan

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten logs and twigs): Obrocze res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Didymium nigripes (Link) Fr.

HOST/SUBSTRATE/LOCALITY:

- Fallen leaves: Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Fuligo Haller

Fuligo rufa Pers.

HOST/SUBSTRATE/LOCALITY:

- Surface of mosses (on rotten log): Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Fuligo septica (L.) F.H. Wigg. var. *flava* (Pers.) Morgan

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Bukowa Góra res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Fuligo septica var. *septica*

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Bukowa Góra res. (Wrońska 1979 as, *Fuligo septica* Gmelin. var. *septica*)

- Surface of mosses (on rotten log): Nart res. (Drozdowicz 1988, as *Fuligo septica* Gmelin.). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- Rotten logs of *Abies alba* Mill. and deciduous trees: Bondyż village, Zwierzyniec town (Błoński 1896); Kosobudy village (Wrońska 1974, as *Fuligo septica* Gmelin.); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- Stump (among needles): Roztocze NP – without precise location (Mułenko *et al.* 2013).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Hemitrichia Rostaf.

Hemitrichia clavata (Pers.) Rostaf.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten logs): Czerkies res., Obroc res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (wood of rotten logs): Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Hemitrichia serpula (Scop.) Rostaf.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Hemitrichia vesparium → ***Metatrichia vesparium***

Lamproderma Rostaf.

Lamproderma arcyrioides (Sommerf.) Rostaf.

SYNONYMS: *Lamproderma violaceum* Rostaf.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (log): Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Lamproderma arcyrionema → ***Collaria arcyrionema***

Lamproderma violaceum → ***Lamproderma arcyrioides***

Leocarpus Link***Leocarpus fragilis*** (Dicks.) Rostaf.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Kosobudy village (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (logs): Bukowa Góra res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- *Plagiothecium* sp. (mosses; stems): Hrebenne village (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).
- Stems of *Vaccinium myrtillus* L., *Polytrichum* sp. (mosses), fallen needles of *Pinus sylvestris* L., plant litter: Nart res. (Drozdowicz 1988); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Lycogala Adans.***Lycogala epidendrum*** (J.C. Buxb. ex L.) Fr. var. ***epidendrum***

HOST/SUBSTRATE/LOCALITY:

- Rotten stumps and logs of deciduous trees (incl. *Carpinus betulus* L., *Fagus sylvatica* L.) and coniferous trees [incl. *Abies alba* Mill., *Picea abies* (L.) H. Karst.]: Krasnobród town (Błoński 1896, as *Lycogala epidendron* L.); Bukowa Góra res., Czartowe Pole res., Kosobudy village, Obroc res., Olszanka village, Susiec village (Wrońska 1974); Horodzisko wild., Nad Tanwią res. (Wrońska 1979, location listed as Szum nad Tanwią res.); Nart res. (Drozdowicz 1988); Roztocze NP – without precise location (Chmiel *et al.* 1994). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*, *Quercu-Piceetum*.

Lycogala epidendrum var. ***tessellatum*** (Lister) G. Lister

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (trunk): Maziarki wild. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (rotten wood): Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Lycogala exiguum Morgan.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stump): Czerkies res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Lycogala flavofuscum (Ehrenb.) Rostaf. [as '*flavo-fuscum*']

HOST/SUBSTRATE/LOCALITY:

- ***Ulmus scabra*** Mill. (rotten log): Obroc res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Metatrichia*** Ing***Metatrichia floriformis*** (Schwein.) Nann.-Bremek.SYNONYMS: *Trichia floriformis* (Schwein.) G. Lister

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (log): Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.***Metatrichia vesparium*** (Batsch) Nann.-Bremek. ex G.W. Martin & Alexop.SYNONYMS: *Hemitrichia vesparium* (Batsch) T. Macbr.

HOST/SUBSTRATE/LOCALITY:

- Rotten wood of deciduous trees (incl. logs of *Fagus sylvatica* L.): Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Perichaena Fr.***Perichaena depressa*** Lib.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten log): Bukowa Góra res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Physarum*** Pers.*Physarum aurantium* → ***Physarum viride*** var. ***aurantium******Physarum cinereum*** (Batsch) Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (seedlings and fallen twigs): Maziarki wild., Nart res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- ***Fagus sylvatica*** L. (fallen twigs and leaves): Maziarki wild., Nart res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- Surface of herbaceous plants: *Ajuga reptans* L., *Asarum europaeum* L., *Galium odoratum* (L.) Scop. [= *Asperula odorata* L.], *Hepatica nobilis* Mill., *Luzula pilosa* (L.) Willd., *Maianthemum*

bifolium (L.) F.W. Schmidt, *Mycelis muralis* (L.) Dumort., *Viola reichenbachiana* Jordan ex Boreau [= *Viola silvestris* Rchb.]: Maziarki wild. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

- Surface of herbaceous plants: *Cruciata glabra* (L.) Ehrend. [= *Galium vernum* Scop.] and *Galeobdolon luteum* Huds.: Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).
- Surface of *Oxalis acetosella* L.: Czerkies res., Maziarki wild., Nart res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b) and Mułenko *et al.* (2015).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Physarum globuliferum (Bull.) Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten log): Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Physarum leucophaeum Fr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten logs): Czerkies res., Obroc res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b, incorrectly as Wrońska 1979).

PLANT COMMUNITY/HABITAT: not listed.

Physarum nutans Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen branches and rotten logs): Czerkies res. (Wrońska 1979); Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Physarum psittacinum Ditmar

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (fallen leaves and twigs): Czerkies res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Physarum viride (Bull.) Pers. var. ***aurantium*** (Bull.) Lister

SYNONYMS: *Physarum aurantium* Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (rotten stump): Hrebenne village (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Reticularia Bull.**Reticularia lycoperdon** Bull.

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (log): Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).
- Bark of dead and living trees: Roztocze NP – without precise location (Chmiel *et al.* 1994); Roztocze region – without precise location (Sałata 2008). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Stemonitis Gled.**Stemonitis ferruginea** Ehrenb.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Czartowe Pole res., Obroc res. (Wrońska 1974); Maziarki wild. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- Rotten logs deciduous trees (incl. *Fagus sylvatica* L.): Czerkies res. (Wrońska 1974); Bukowa Góra res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.**Stemonitis fusca** Roth var. *fusca*

HOST/SUBSTRATE/LOCALITY:

- Rotten stumps, logs, branches of deciduous trees (incl. *Alnus* sp., *Carpinus betulus* L., *Fagus sylvatica* L.) and coniferous trees (incl. *Abies alba* Mill., *Pinus sylvestris* L.), plant litter: Bukowa Góra res., Czartowe Pole res., Hrebenne village, Kosobudy village, Obroc res. (Wrońska 1974); Czerkies res. (Wrońska 1974, 1979); Horodzisko wild. (Wrońska 1979); Nart res. (Drozdowicz 1988); Roztocze NP – without precise location (Chmiel *et al.* 1994, as *Stemonitis fusca*). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.**Stemonitis fusca** var. *rufescens* Lister

HOST/SUBSTRATE/LOCALITY:

- *Fagus sylvatica* L. (rotten log): Bukowa Góra res., Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.**Stemonitis pallida** Wingate

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten stump): Czerkies res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.

Stemonitis smithii T. Macbr.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten stump): Czerkies res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.***Trichia*** Haller***Trichia contorta*** G.H. Otth var. ***contorta***SYNONYMS: *Trichia contorta* (Ditmar) Rostaf.

HOST/SUBSTRATE/LOCALITY:

- ***Fagus sylvatica*** L. (log): Obroc res. (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: not listed.

Trichia decipiens (Pers.) T. Macbr. var. ***decipiens***

HOST/SUBSTRATE/LOCALITY:

- Rotten logs and stumps of deciduous trees (incl. *Fagus sylvatica* L., *Populus tremula* L.) and coniferous trees (incl. *Abies alba* Mill., *Pinus sylvestris* L.): Kosobudy village (Wrońska 1974); Horodzisko wild., Nad Tanwią res. (Wrońska 1979, location listed as Szum nad Tanwią res.); Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Vaccinio myrtilli-Pinetum*.***Trichia favoginea*** (Batsch) Pers.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten logs, wood): Bukowa Góra res. (Wrońska 1974); Czerkies res., Nad Tanwią res., Obroc res. (Wrońska 1979, location listed as Szum nad Tanwią res.). Cited by Kozłowska *et al.* (2015b).
- ***Fagus sylvatica*** L. (rotten logs): Czerkies res. (Wrońska 1979); Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*.*Trichia floriformis* → ***Metatrachia floriformis******Trichia persimilis*** P. Karst.

HOST/SUBSTRATE/LOCALITY:

- ***Abies alba*** Mill. (rotten log and stump): Bukowa Góra res. (Wrońska 1974); Nart res., Obroc res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Trichia scabra Rostaf.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (moosy log and rotten trunk): Czerkies res., Maziarki wild. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- *Carpinus betulus* L. (rotten log): Olszanka village (Wrońska 1974). Cited by Kozłowska *et al.* (2015b).
- *Fagus sylvatica* L. (rotten log): Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).
- *Fomes fomentarius* (L.) Fr. (fungi; old fruit bodies): Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Dentario glandulosae-Fagetum*.

Trichia varia (Pers.) Pers.

HOST/SUBSTRATE/LOCALITY:

- Rotten, mossy logs of deciduous trees (incl. *Acer pseudoplatanus* L., *Alnus* sp., *Carpinus betulus* L., *Fagus sylvatica* L.) and coniferous trees (incl. *Abies alba* Mill.): Czerkies res., Wólka Wieprzecka village (Wrońska 1974); Bukowa Góra res. (Wrońska 1979); Nart res. (Drozdowicz 1988). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*.

Tubifera J. F. Gmel***Tubifera ferruginosa*** (Batsch) J.F. Gmel.

HOST/SUBSTRATE/LOCALITY:

- *Abies alba* Mill. (rotten log): Kosobudy village (Wrońska 1974); Czerkies res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).
- *Pinus sylvestris* L. (fallen needles): Bukowa Góra res. (Wrońska 1979). Cited by Kozłowska *et al.* (2015b).

PLANT COMMUNITY/HABITAT: *Abietetum polonicum*, *Dentario glandulosae-Fagetum*, *Vaccinio myrtilli-Pinetum*.

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Index of hosts and substrates

A

- Abies alba* 48, 50, 56, 58, 68, 87, 88, 91, 92, 93, 94, 101, 111, 120, 123, 141, 151, 154, 155, 171, 176, 177, 182, 185, 189, 195, 198, 216, 218, 219, 221, 222, 226, 229, 230, 231, 232, 235, 236, 237, 238, 239, 241, 242, 243, 244, 246, 249, 250, 251, 255, 258, 259, 260, 271, 278, 282, 284, 287, 289, 290, 291, 293, 294, 295, 296, 297, 299, 301, 304, 306, 307, 308, 310, 311, 312, 315, 316, 318, 322, 326, 349, 350, 353, 365, 367, 369, 375, 376, 381, 393, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421
- Acer* 106, 116, 150
- Acer negundo* 154
- Acer platanoides* 150
- Acer pseudoplatanus* 65, 66, 67, 81, 116, 123, 127, 143, 150, 154, 155, 162, 173, 228, 421
- Achillea millefolium* 85
- Acinos arvensis* 340
- Acrotrichis grandicollis* 69
- Actaea spicata* 71
- Adoxa moschatellina* 328
- Aegopodium podagraria* 58, 63, 64, 97, 103, 111, 116, 140, 156, 328, 409
- Aesculus hippocastanum* 132
- Aethusa cynapium* 341
- Agrimonia eupatoria* 134, 348
- Agropyron* 52
- Agropyron repens* 131, 334, 336, 345
- Agrostemma githago* 403
- Agrostis capillaris* 336, 345
- Agrostis vulgaris* 345
- Ajuga reptans* 83, 143, 417
- Alcea rosea* 339
- Alchemilla* 144
- Alchemilla gracilis* 134, 144
- Alchemilla micans* 134, 144
- Alchemilla monticola* 134, 144
- Alchemilla pastoralis* 134
- Alectorolophus glaber* 408
- Aleurodiscus amorphus* 376
- Alisma plantago-aquatica* 133
- Allium porrum* 343
- Alnus* 48, 57, 58, 94, 102, 105, 110, 111, 112, 120, 128, 151, 155, 205, 259, 268, 270, 281, 304, 310, 322, 325, 414, 419, 421
- Alnus glutinosa* 166, 268
- Alopecurus pratensis* 345
- Althea rosea* 339
- Alyssum alyssoides* 73
- Alyssum calycinum* 73
- Amaranthus retroflexus* 410
- Anchusa officinalis* 84, 345
- Andromeda polifolia* 150
- Anemone nemorosa* 59, 68, 300, 375, 383, 394, 409
- Anemone ranunculoides* 301
- Anemone sylvestris* 344, 409
- Angelica sylvestris* 75, 409
- Anthemis arvensis* 406
- Anthoxanthum odoratum* 330
- Anthriscus sylvestris* 332
- Apera spica-venti* 51
- Apiaceae 91, 171
- Apium graveolens* 157
- Aquilegia vulgaris* 71, 345
- Arabidopsis thaliana* 401
- Arctium* 49, 58, 111, 398
- Arctium lappa* 84, 398
- Arctium minus* 84, 330, 398
- Arctium tomentosum* 44, 84
- Arenaria serpyllifolia* 402
- Armoracia lapathifolia* 44, 55, 73, 397
- Armoracia rusticana* 44, 55, 73, 397
- Arrhenatherum elatius* 122, 334
- Artemisia* 97

Artemisia absinthium 346
Artemisia vulgaris 82, 333, 346
Asarum europaeum 329, 417
Asperula odorata 344, 402, 417
Aster 53, 157
Astragalus cicer 164
Astragalus glycyphyllos 72, 372, 386
Avena sativa 334, 390

B

Ballota nigra 117
bark 51, 56, 87, 88, 93, 101, 104, 112, 120,
123, 142, 154, 155, 170, 186, 216, 249,
283, 310, 349, 412, 419
Bembidion articulatum 100
Bembidion doris 100
Bembidion lampros var. *properans* 100
Bembidion properans 100
Bembidion quadrimaculatum 100
Bembidion tibiale 100
Bembidion ustulatum 100
Berberis vulgaris 72, 336
Berteroa incana 399
Beta vulgaris 55
Betula 48, 93, 94, 111, 120, 142, 204, 214,
228, 229, 258, 288, 317, 375
Betula pendula 165, 228, 258, 287
Betula pubescens 165, 287
Betula verrucosa 228, 287
Bidens cernua 138
Bidens cernuus 138
Bidens tripartita 138
Bidens tripartitus 138
Bilderdykia convolvulus 343, 406
Brachypodium pinnatum 330
Brachypodium silvaticum 330
Brachypodium sylvaticum 51, 330
branches 48, 50, 101, 102, 117, 120, 141,
153, 156, 173, 176, 182, 185, 186, 189,
216, 219, 220, 221, 225, 226, 227, 229,
237, 240, 241, 249, 257, 259, 270, 283,
296, 297, 304, 306, 315, 317, 319, 322,
326, 363, 364, 366, 367, 373, 374, 375,
376, 377, 411, 414, 418, 419
Bromus hordeaceus 345
Bromus inermis 51, 345

Bromus mollis 345
Buglossoides arvensis 405
burnt ground 45, 46, 82, 106, 126, 128, 133,
143, 149, 170, 298, 311, 327

C

Calamagrostis arundinacea 334
Calamagrostis epigejos 59, 161, 334, 336,
345, 390
Calamintha acinos 340
Calamintha vulgaris 340
Calendula officinalis 138
Calluna vulgaris 245, 273, 358, 377
Caltha palustris 71, 144
Campanula cervicaria 199
Campanula patula 199
Campanula persicifolia 199
Campanula rapunculoides 199
Campanula rotundifolia 199
Campanula trachelium 199
Capsella bursa-pastoris 397, 399
Caragana arborescens 77, 79
Cardamine bulbifera 399
Cardamine glandulifera 403
Cardamine impatiens 399
Carduus acanthoides 330
Carduus crispus 331
Carex 102
Carex digitata 363
Carex flacca 181
Carex glauca 181
Carex hirta 161, 181, 331
Carex humilis 363
Carex michelii 181
Carex pilosa 331
Carex riparia 331
Carex vulpina 348
Carpinus betulus 50, 95, 111, 116, 120, 121,
129, 130, 150, 155, 186, 204, 214, 219,
225, 231, 242, 244, 259, 270, 302, 308,
316, 319, 321, 363, 364, 365, 367, 373,
376, 411, 414, 416, 419, 421
Centaurea 148
Centaurea cyanus 335
Centaurea jacea 85, 337
Centaurea montana 44, 85

- Centaurea scabiosa* 148, 331
Cerastium fontanum 287, 406
Cerastium fontanum subsp. *triviale* 70, 402
Cerastium holosteoides 70, 128, 402
Cerastium vulgatum 128, 402
Cerasus avium 51
Cerasus vulgaris 114
Chaenorhinum minus 405
Chaerophyllum aromaticum 75, 332, 409
Chaerophyllum temulum 144
Chamaecytisus ruthenicus 387
Chamaenerion angustifolium 123, 348
Chamomilla suaveolens 86, 400
Chenopodium album 55, 404
Chrysosplenium alternifolium 224, 332, 394, 402
Cichorium intybus 83, 146, 337
Circaea alpina 332, 333, 348
Circaea lutetiana 73, 333, 348
Cirsium arvense 47, 77, 85, 333, 344
Cirsium lanceolatum 44, 86, 333
Cirsium oleraceum 85, 145, 331, 333
Cirsium rivulare 331
Cirsium vulgare 44, 86, 333
Clinopodium vulgare 340
Coelambus impressopunctatus 57
Coleoptera 57, 69, 81, 89, 94, 99, 100, 149, 164
Comarum palustre 134
cones 56, 58, 65, 94, 96, 112, 128, 165, 185, 238, 368
coniferous trees 48, 111, 121, 183, 189, 195, 218, 219, 226, 229, 238, 243, 251, 258, 259, 308, 309, 310, 311, 315, 326, 327, 350, 365, 367, 375, 377, 381, 393, 411, 414, 416, 419, 420, 421
Consolida ajacis 71
Convallaria majalis 346
Convolvulus arvensis 73, 157
Conyza canadensis 135
Cornus sanguinea 78, 157
Coronilla varia 79, 403
Corydalis capnoides 286
Corydalis solida 224, 286, 403
Corylus avellana 103, 131, 220, 364
Crataegus curvisepala 135
Crataegus monogyna 239
Crataegus rhipidophylla var. *rhipidophylla* 135
Cruciata glabra 108, 335, 418
Cucumis sativus 86
Cucurbita pepo 86
cupules 58, 95, 97, 103, 105, 130, 164, 172, 214
Cynoglossum officinale 84
Cytisus nigricans 387
Cytisus ruthenicus 387
- ## D
- Dactylis aschersoniana* 384
Dactylis glomerata 59
Dactylis polygama 384
Daedaleopsis confragosa 198
Daucus carota 55
dead wasp 62, 120
deciduous trees 48, 51, 57, 111, 116, 117, 120, 121, 153, 156, 173, 183, 186, 193, 204, 213, 214, 220, 226, 228, 229, 232, 237, 240, 241, 243, 251, 268, 270, 271, 282, 283, 284, 288, 292, 293, 300, 304, 306, 307, 308, 310, 311, 315, 316, 317, 319, 321, 322, 324, 349, 363, 367, 373, 374, 375, 376, 411, 412, 414, 415, 416, 417, 419, 420, 421
Dentaria bulbifera 399
Dentaria glandulosa 403
Deschampsia cespitosa 51, 334, 336
Descurainia sophia 397, 399
Dianthus barbatus 329
Diaporthales 123
Dicranella heteromalla 412
Digitaria ischaemum 390
Diptera 45
Dryops auriculatum 89
Dryops auriculatus 89
Dryopteris filix-mas 109, 142
dung of herbivores 46, 49, 56, 61, 62, 99, 107, 125, 127, 139, 140, 152, 153, 154, 160, 161, 162, 163, 167, 168, 169, 203, 206, 303, 305, 323, 413

E

Elaphomyces 168
Elaphomyces asperulus 168
Elaphomyces granulatus 168
Elaphomyces muricatus 168
Elaphomyces variegatus 168
Elymus 52
Elymus repens 131, 334, 336, 345
Enochrus affinis 81
Epilobium angustifolium 348
Epilobium hirsutum 135, 344
Epilobium roseum 135
Erigeron annuus 157
Erigeron canadensis 135
Erysiphe cichoracearum 44
Erysiphe depressa 44
Euonymus europaea 74
Eupatorium cannabinum 84
Euphorbia cyparissias 387, 388
Euphorbia esula 136, 387
Euphorbia helioscopia 136, 285
Euphrasia odontites 200
Euphrasia stricta 199

F

Fagopyrum esculentum 403
Fagopyrum sagittatum 403
Fagus sylvatica 48, 50, 52, 57, 58, 68, 91, 92, 94, 95, 96, 97, 98, 99, 102, 103, 104, 105, 110, 111, 112, 113, 116, 117, 120, 121, 123, 124, 125, 126, 127, 129, 130, 131, 140, 151, 153, 154, 155, 164, 170, 172, 173, 182, 186, 187, 189, 204, 213, 214, 215, 216, 220, 223, 225, 226, 227, 228, 231, 232, 240, 241, 242, 249, 251, 257, 258, 259, 260, 278, 279, 281, 282, 283, 284, 288, 290, 291, 292, 294, 295, 296, 297, 301, 302, 305, 306, 308, 310, 311, 315, 316, 317, 318, 319, 320, 321, 323, 324, 351, 363, 364, 366, 367, 369, 373, 374, 376, 381, 383, 391, 410, 411, 413, 414, 415, 416, 417, 418, 419, 420, 421
Falcaria vulgaris 346
Fallopia convolvulus 78, 343, 406

female catkins 58, 105, 128
ferns 43, 63, 64, 109, 142, 244
Festuca altissima 334
Festuca gigantea 60, 334
Festuca polesica 397
Festuca pratensis 60
Festuca rubra 60, 394, 396, 397
Festuca sylvatica 334
Ficaria verna 224, 384, 385, 404
Filipendula ulmaria 381
Fomes fomentarius 421
Fragaria ×ananassa 115
Fragaria moschata 132
Fragaria vesca 115
Frangula alnus 59, 74, 334
Fraxinus excelsior 64, 130
fruit body 96, 168, 184, 198, 201, 220, 325, 376, 421
fruits 95, 114, 129, 130
Fumaria officinalis 73, 400
Fumaria vaillantii 400
Funaria hygrometrica 327
fungi 44, 59, 123, 161, 168, 184, 198, 201, 325, 376, 421

G

Galeobdolon luteum 117, 383, 418
Galeopsis 157
Galeopsis pubescens 117, 157
Galeopsis tetrahit 117
Galinsoga 63, 64, 113
Galium aparine 401
Galium intermedium 122
Galium mollugo 118, 335, 344
Galium odoratum 118, 344, 349, 402, 417
Galium rivale 344
Galium schultesii 122, 349, 404
Galium spurium 404
Galium vernum 108, 335, 418
Galium verum 344
Geranium 63
Geranium palustre 343, 385
Geranium phaeum 145
Geranium pratense 385, 409
Geranium pusillum 402

Geranium robertianum 60
Geranium sylvaticum 385
Geum rivale 134
Geum urbanum 44, 134
Glechoma hederacea 117, 132, 146, 336
Glyceria aquatica 334, 390
Glyceria fluitans 390
Glyceria maxima 334, 390
Golovinomyces depressus 44
Golovinomyces montagnei 44
 grass 63, 102, 176, 178, 190, 192, 193, 196,
 202, 203, 209, 217, 221, 223, 233, 235,
 241, 244, 246, 247, 257, 260, 261, 264,
 265, 275, 277, 280, 293, 294, 297, 301,
 303, 305, 309, 311, 328, 361, 369, 370,
 391
Gymnocarpium dryopteris 244
Gymnosporangium cornutum 59
Gyrinus natator 100

H

Haliplus fulvus 94
Haliplus heydeni 94
Hedera helix 51
Helianthus 63, 111
Helianthus annuus 58, 337
Helichrysum bracteatum 398
Hepatica nobilis 417
Heraclium 49, 59, 171
Heraclium sibiricum 75
Heraclium sphondylium 75, 146
 herbaceous plants 49, 59, 63, 64, 91, 95, 96,
 97, 98, 103, 105, 106, 111, 113, 128, 171,
 190, 284, 383, 417, 418
Hieracium bauhinii 337
Hieracium caespitosum 337
Hieracium lachenalii 83, 337
Hieracium murorum 83, 225, 337, 398
Hieracium pilosella 398
Hieracium praealtum subsp. *bauhinii* 337
Hieracium pratense 337
Hieracium umbellatum 337
Holcus lanatus 334, 338
Holcus mollis 334
Hordeum vulgare 336, 338, 346

Humulus lupulus 137, 410
 humus 53
Hydroporus umbrosus 57
 Hymenoptera 62, 120
Hypericum maculatum 76
Hypericum perforatum 76
Hypericum perforatum × *H. maculatum* 76

I

Impatiens noli-tangere 135, 329
Impatiens parviflora 338
 insects 45, 57, 62, 69, 81, 89, 94, 99, 100,
 120, 149, 164

J

Juglans regia 98, 110
Juncus 102
Juncus conglomeratus 102, 131
Juniperus 108

K

Knautia arvensis 76, 149, 159, 241

L

Lactaria villerea 184
Lactarius 184, 201
Lactarius vellereus 184
Lactuca sativa 398
Lamium album 118
Lamium amplexicaule 404
Lamium maculatum 47, 118, 158, 404
Lamium purpureum 118
Lapsana communis 135, 147, 338, 398
Larix 101, 414
Larix decidua 102
Larix europea 102
Lathyrus pratensis 79, 387
Lathyrus tuberosus 387
Lathyrus vernus 389
 leaves 43, 50, 64, 94, 95, 96, 97, 98, 102, 103,
 104, 105, 106, 109, 110, 111, 129, 130,
 143, 150, 151, 216, 281, 282, 283, 290,
 292, 294, 296, 297, 383, 413, 414, 417,
 418

- Lembotropis nigricans* 387
Leontodon autumnalis 135, 337, 398
Leontodon hispidus 337
Leonurus cardiaca 118, 147
Linaria minor 405
Lithospermum arvense 84, 405
litter of coniferous trees 108, 128, 197, 198,
207, 208, 211, 217, 218, 222, 223, 234,
239, 245, 247, 262, 264, 266, 272, 274,
278, 279, 282, 283, 291, 292, 293, 295,
296, 297, 298, 309, 327, 350, 353, 354,
356, 358, 359, 362, 393
litter of deciduous trees 176, 195, 196, 197,
202, 205, 208, 224, 238, 239, 248, 255,
263, 265, 267, 269, 273, 274, 275, 277,
279, 280, 282, 289, 292, 294, 295, 296,
315, 323, 324, 350, 351, 357, 360
liverworts 106, 155
logs 48, 50, 52, 57, 88, 91, 92, 93, 94, 96, 98,
99, 110, 111, 112, 117, 120, 121, 123, 124,
125, 126, 127, 140, 141, 154, 155, 156,
171, 173, 183, 186, 187, 189, 204, 205,
213, 218, 219, 220, 225, 226, 228, 229,
230, 231, 232, 236, 237, 242, 249, 250,
251, 257, 258, 259, 260, 271, 278, 279,
283, 288, 290, 291, 292, 297, 299, 301,
302, 304, 308, 309, 310, 315, 316, 317,
319, 322, 326, 350, 351, 365, 367, 373,
374, 375, 376, 381, 391, 393, 410, 411,
412, 413, 414, 415, 416, 417, 418, 419,
420, 421
Lolium perenne 334, 336
Lotus corniculatus 79, 387
Lupinus polyphyllus 79
Luzula multiflora 161, 341
Luzula pilosa 339, 341, 417
Lycopersicon esculentum 158
Lysimachia nummularia 147
- M**
- Mahonia aquifolium* 215
Maianthemum bifolium 173, 346, 417
Malus 112, 114
Malus domestica 136, 172
Malus sylvestris 136
Malva neglecta 339
Malva pusilla 158
Malva sylvestris 339
Marchantia 106, 155
Matricaria discoidea 400
Matricaria maritima subsp. *inodora* 400
Matricaria matricarioides 86
Medicago falcata 77, 141, 388
Medicago lupulina 141, 388, 406
Medicago sativa 400
Medicago sativa subsp. *falcata* 388
Melampsora allii-fragilis 161
Melampyrum arvense 199
Melampyrum nemorosum 199
Melampyrum pratense 138, 200
Melandrium album 47, 72, 289, 329, 330
Melandrium noctiflorum 405
Melica nutans 161, 340
Melilotus 79
Melilotus alba 79
Melilotus albus 79
Melilotus officinalis 79
Melittis melissophyllum 118
Mentha aquatica 340
Mentha arvensis 340
Mentha longifolia 340
Mentha pulegium 340
Menyanthes trifoliata 393
Mercurialis perennis 47
Metabletus truncatellus 99
Milium effusum 345
Moehringia trinervia 147, 329
Molinia caerulea 163, 341
Molinia coerulea 163, 341
mosses 62, 106, 114, 119, 143, 155, 184, 186,
191, 196, 198, 201, 208, 209, 210, 211,
221, 222, 230, 231, 248, 251, 261, 262,
267, 276, 290, 291, 292, 293, 296, 301,
324, 327, 356, 357, 359, 360, 366, 370,
412, 414, 416
Muscari comosum 383
Mycelis muralis 83, 147, 339, 342, 398, 418
Myosotis arvensis 84, 405
Myosotis scorpioides 224

N

- needles 54, 56, 58, 66, 88, 91, 92, 93, 104,
108, 109, 110, 129, 141, 185, 216, 238,
239, 241, 282, 290, 294, 296, 297, 351,
414, 415, 416, 421
Nepeta cataria 340
nuts 95
Nycteria kolenatii 45
Nycteribia kolenatii 45

O

- Ochrospora ariae* 59
Odontites rubra 200
Odontites serotina 200
Odontites verna 200, 408
Odontites vulgaris 200
Oenothera biennis 158
Onobrychis viciaefolia 79, 387
Onobrychis viciifolia 79, 387
Ononis arvensis 77
Origanum vulgare 340
Oxalis acetosella 87, 418
Oxalis fontana 78, 372
Oxalis stricta 78, 372

P

- Padus avium* 165, 166, 348
Padus serotina 61, 131
Papaver rhoeas 401
Papaver somniferum 401
Petasites albus 200
petioles 43, 59, 63, 64, 98, 106, 109, 110,
111, 130, 142, 143, 151
Petroselinum crispum 75, 158
Petroselinum sativum 75, 158
Peucedanum cervaria 332
Peucedanum oreoselinum 342
Peucedanum palustre 409
Phalaris arundinacea 122, 161, 334, 346
Phaseolus vulgaris 384
Phegopteris dryopteris 244
Philonthus varians 149
Phlox paniculata 85
Phragmites australis 339, 342

- Phragmites communis* 339, 342
Picea abies 56, 91, 94, 101, 108, 112, 121,
182, 185, 195, 216, 229, 236, 239, 308,
321, 326, 368, 416
Picris hieracioides 337
Pimpinella major 75, 342
Pimpinella saxifraga 158, 342
Pinus sylvestris 48, 50, 54, 55, 56, 58, 65, 66,
87, 88, 92, 93, 94, 96, 104, 108, 109, 110,
112, 120, 121, 128, 129, 141, 154, 155,
165, 182, 183, 185, 189, 195, 200, 214,
219, 229, 236, 237, 238, 243, 246, 250,
255, 275, 300, 304, 307, 310, 311, 315,
321, 326, 327, 350, 365, 368, 372, 377,
381, 412, 414, 416, 419, 420, 421
Pisum sativum 77, 387
Plagiothecium 416
Plantago intermedia 401
Plantago major 87, 401
plant debris 110, 214, 216, 281, 291
plant litter 53, 88, 119, 126, 170, 173, 174,
175, 177, 183, 184, 185, 188, 194, 195,
196, 198, 202, 205, 208, 212, 214, 216,
220, 223, 224, 228, 233, 234, 235, 252,
254, 260, 263, 266, 267, 268, 271, 272,
274, 275, 276, 278, 279, 280, 284, 305,
311, 312, 350, 352, 353, 354, 355, 356,
357, 358, 359, 361, 368, 369, 372, 377,
378, 380, 381, 414, 416, 419
Platanthera bifolia 346
Poa annua 51
Poaceae 52, 105
Poa compressa 336
Poa nemoralis 334, 336
Poa pratensis 51, 330
Podosphaera aphanis 44
Podosphaera erigerontis-canadensis 44
Polygonatum multiflorum 132
Polygonatum odoratum 346
Polygonum amphibium 343
Polygonum aviculare 78
Polygonum bistorta 67, 340
Polygonum convolvulus 78, 343, 406
Polygonum hydropiper 78, 288, 366
Polygonum minus 366

Polygonum persicaria 159
Polytrichum 416
Populus 204, 231, 268
Populus × *canadensis* 166, 286
Populus nigra 166, 286
Populus tremula 70, 92, 96, 97, 127, 130,
 156, 170, 193, 204, 205, 213, 242, 270,
 286, 308, 309, 315, 316, 363, 374, 420
Potentilla alba 313
Potentilla anserina 133
Potentilla argentea 313
Potentilla erecta 230
Potentilla palustris 134
Prunella vulgaris 49
Prunus avium 166
Prunus domestica 166
Prunus padus 165, 348
Prunus spinosa 375
Pteridium 109, 142
Pteridium aquilinum 63, 64
Pterostichus anthracinus 100
Pterostichus nigrata 100
Puccinia caricina 161
Puccinia coronata 59, 161
Puccinia melicae 161
Puccinia obscura 161
Puccinia pygmaea 161
Pulmonaria mollis 84, 145
Pulmonaria mollissima 84, 145
Pulmonaria obscura 84, 145, 345
 pupa 62
Pyrus communis 49, 69, 159, 165, 172

Q

Quedius vexans ab. *langenhami* 164
Quercus 52, 54, 61, 93, 95, 102, 104, 105,
 119, 130, 151, 219, 228, 231, 232, 249,
 268, 304, 306, 307, 308, 309, 367
Quercus petraea 70, 76
Quercus robur 70, 76, 227, 270, 364
Quercus sessilis 70, 76

R

Ranunculus acer 71
Ranunculus acris 71, 107, 384, 404

Ranunculus auricomus 108
Ranunculus bulbosus 71
Ranunculus flammula 71, 406
Ranunculus repens 71, 145, 148, 225, 384,
 406
Raphanus raphanistrum 397, 399
Rhamnus cathartica 74, 335
Rhamnus frangula 334
Rhinanthus angustifolius subsp. *angustifolius*
 408
Rhinanthus serotinus 408
 rhizosphere 394, 395, 396, 397
Ribes alpinum 68
Ribes nigrum 44, 137, 151, 215, 331
Ribes rubrum 68, 116, 215
Ribes spicatum 68, 215
Ribes uva-crispa 75
Robinia pseudoacacia 79, 131, 153
 roots 98, 104, 189, 237, 243, 268, 320, 321,
 365, 372, 394
Rosa 67, 113, 138, 314
Rosa agrestis 314
Rosa caesia 313, 314
Rosa canina 67, 138, 313, 314
Rosa coriifolia 313
Rosa dumalis 313, 314
Rosa rubiginosa 67, 314
Rosa rugosa 138, 313
Rubus 97, 98, 105, 111
Rubus caesius 134, 312
Rubus fruticosus 112
Rubus gracilis 134, 259, 312, 314
Rubus hirtus 134, 259, 314
Rubus idaeus 52, 54, 93, 98, 103, 105, 111,
 112, 113, 130, 171, 313
Rubus nessensis 312
Rubus plicatus 60, 81, 312, 314
Rubus saxatilis 60
Rubus suberectus 312
Rubus sulcatus 314
Rubus villicaulis 134, 259, 312, 314
Rudbeckia laciniata 82
Rumex acetosa 148, 328, 384
Rumex acetosella 78, 289
Rumex conglomeratus 148

- Rumex crispus* 387
Rumex hydrolapathum 342, 387
Rumex obtusifolius 147, 148, 161, 388
Russula adusta 184
Russula nigricans 184
 Russulaceae 201
- S**
- Salix* 220, 285, 320
Salix amygdalina 81, 284
Salix caprea 70, 285
Salix cinerea 81, 285
Salix fragilis 161, 284
Salix pentandra 285
Salix purpurea 285
Salix triandra 81, 148, 284
Salvia verticillata 83, 159, 341, 405
Sambucus 95
Sambucus ebulus 148, 213
Sambucus nigra 185
Sambucus racemosa 50, 80
Sanguisorba minor 314
Sanguisorba officinalis 136
Sanicula europaea 345
Saponaria officinalis 289
Scleroderma aurantium 325
Scleroderma citrinum 325
Scrophularia nodosa 144, 388
Scrophularia scopolii 407
Secale cereale 51, 52, 60, 63, 64, 105, 335, 336, 345
 seedlings 134, 417
Selinum carvifolia 329
Senecio rivularis 86
Senecio sylvaticus 200
Senecio vernalis 398
Senecio viscosus 200
Senecio vulgaris 85, 200
Setaria glauca 280
Setaria pumila 280
Silene nutans 386
Sinapis arvensis 397, 399
Sisymbrium officinale 73, 407
 soil 43, 47, 53, 54, 57, 65, 69, 82, 87, 88, 89, 90, 91, 92, 97, 106, 107, 109, 114, 115, 119, 121, 122, 123, 124, 125, 126, 127, 142, 143, 153, 154, 155, 156, 161, 167, 169, 170, 171, 172, 174, 175, 176, 177, 178, 179, 180, 181, 183, 184, 185, 186, 187, 188, 190, 191, 192, 193, 194, 195, 196, 197, 198, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 215, 216, 217, 218, 221, 222, 223, 224, 230, 231, 233, 234, 235, 236, 237, 238, 239, 240, 241, 244, 245, 246, 247, 248, 249, 250, 252, 253, 254, 255, 256, 257, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 283, 287, 288, 289, 291, 292, 293, 294, 295, 297, 298, 299, 301, 302, 303, 305, 307, 309, 311, 315, 322, 323, 324, 325, 326, 328, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 368, 369, 370, 371, 372, 373, 377, 378, 379, 380, 382, 391, 392
Solanum tuberosum 408
Solidago gigantea 83
Solidago serotina 83
Sonchus arvensis 86, 200, 398
Sonchus asper 200
Sonchus oleraceus 86, 200, 398
Sorbus aucuparia 59, 132, 134, 159, 239, 301
Spergula arvensis 405
Spergula morisonii 407
Spergularia rubra 329
Spergula vernalis 407
Sphaerotheca aphanis var. *aphanis* 44
Sphaerotheca erigerontis-canadensis 44
Sphagnum 186, 209, 210, 211, 230, 231, 261, 267, 276, 292, 293, 324, 356, 357, 366, 370
Stachys palustris 118
Stachys sylvatica 118, 159
Stellaria holostea 329, 406
Stellaria media 160, 287, 401
Stellaria nemorum 129, 287, 329
 stems 49, 50, 52, 53, 54, 58, 59, 63, 64, 91, 93, 95, 96, 97, 98, 102, 103, 105, 106, 111, 112, 113, 128, 130, 171, 190, 213, 383, 414, 416

stumps 48, 50, 57, 68, 87, 89, 91, 99, 117,
120, 121, 127, 155, 156, 172, 173, 182,
183, 186, 189, 195, 198, 204, 205, 218,
219, 220, 221, 222, 225, 227, 228, 231,
232, 235, 236, 237, 242, 243, 244, 246,
249, 250, 251, 255, 258, 259, 260, 270,
275, 278, 279, 283, 284, 288, 289, 290,
291, 292, 293, 294, 295, 296, 297, 299,
300, 301, 302, 304, 308, 309, 310, 311,
312, 315, 316, 317, 318, 319, 320, 322,
323, 324, 325, 326, 350, 351, 365, 367,
372, 373, 374, 375, 376, 381, 391, 393,
411, 412, 413, 414, 415, 416, 418, 419,
420

Symphytum officinale 84

Syringa vulgaris 59

T

Tanacetum vulgare 85

Taraxacum officinale 44, 135, 146, 335, 337,
347, 398

Teucrium chamaedrys 332

Thesium linophyllum 78

Tilia 95

Tilia cordata 45, 81, 115, 130, 228

Torilis japonica 75

trees 251, 260, 304, 364, 419

Torientalis europaea 160, 384

Trifolium arvense 389

Trifolium campestre 79

Trifolium dubium 79, 386

Trifolium filiforme 79

Trifolium hybridum 389, 407

Trifolium medium 80, 385, 388

Trifolium pratense 80, 141, 385, 386, 407

Trifolium repens 65, 141, 386, 389, 407

Tripleurospermum inodorum 400

Triticum aestivum 51, 52, 105, 390

Triticum vulgare 51, 345, 346

trunks 68, 101, 116, 156, 183, 186, 202, 216,
219, 227, 228, 229, 232, 236, 243, 249,
251, 258, 259, 268, 270, 271, 275, 283,
288, 297, 300, 307, 308, 309, 310, 316,
317, 320, 322, 349, 367, 372, 376, 377,
410, 416, 421

Tussilago farfara 200, 343

twigs 54, 61, 65, 66, 67, 70, 81, 88, 94, 95,
97, 101, 102, 103, 104, 105, 111, 112, 113,
116, 120, 121, 123, 125, 140, 141, 150,
151, 153, 162, 164, 177, 186, 189, 213,
214, 215, 216, 219, 223, 226, 236, 244,
258, 271, 281, 282, 283, 290, 291, 296,
297, 300, 304, 305, 306, 315, 319, 320,
321, 374, 381, 413, 414, 417, 418

U

Ulmus 156

Ulmus scabra 417

Umbelliferae 91

Uromyces rumicis 161

Urtica 95, 98, 104, 190

Urtica dioica 49, 53, 57, 59, 63, 80, 95, 104,
133, 149, 160, 331

V

Vaccinium myrtillus 114, 137, 227, 298, 416

Vaccinium uliginosum 103, 105, 113, 137,
298

Vaccinium vitis-idaea 227, 299, 349

Valeriana angustifolia 160, 389

Valeriana officinalis subsp. *collina* 389

Valerianella dentata 407

Verbascum phlomoides 87

Veronica arvenis 400

Veronica beccabunga 404

Veronica chamaedrys 136, 144

Veronica montana 347

Veronica officinalis 145

Veronica verna 400

Viburnum opulus 80

Vicia cracca 77, 385

Vicia faba 389

Vicia sativa 389, 408

Vicia sepium 389

Vicia tenuifolia 385

Vinca minor 160

Viola 146

Viola arvensis 408

Viola collina 347

- Viola hirta* 347
Viola mirabilis 347
Viola odorata 347
Viola reichenbachiana 146, 347, 418
Viola riviniana 146, 347
Viola silvestris 347, 418
Viola tricolor 86
Viscum 413
Viscum abietis 129
Viscum album subsp. *abietis* 129

W

- wood 50, 56, 57, 68, 93, 94, 96, 103, 108,
113, 117, 123, 130, 140, 153, 155, 170,

- 177, 189, 193, 195, 202, 204, 219, 228,
229, 231, 232, 236, 238, 240, 241, 242,
243, 259, 260, 278, 284, 291, 295, 304,
307, 311, 312, 317, 318, 319, 322, 324,
326, 327, 349, 350, 353, 363, 365, 367,
373, 374, 375, 393, 412, 414, 415, 416,
417, 420

X

- Xanthium strumarium* 408

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