

**Lichens and lichenicolous fungi found so far in the vicinity of Mt Bol. Thač¹,
compiled from the available data by Volker Otte**

- Acarospora fuscata* (Ach.) Th. Fr. (4)
Acarospora glaucocarpa
 (Wahlenb. ex Ach.) Körb. (4)
Acarospora macrospora
 (Hepp) A. Massal. ex Bagl. (1)
Acrocordia gemmata (Ach.) A. Massal. (1)
Agonimia tristicula (Nyl.) Zahlbr. (2)
Allocetraria madreporiformis
 (Ach.) Kärnefelt & A. Thell (1)
Amandinea punctata
 (Hoffm.) Coppins & Scheid. (1)
Anaptychia bryorum Poelt (4)
Anaptychia ciliaris (L.) Körb. (1)
Anisomeridium bifforme (Borrer) R. C. Harris (2)
Arthonia byssacea (Weigel) Almq. (1)
Arthonia caesia (Flot.) Körb. (4)
Arthonia cinnabarina (DC.) Wallr. (4)
Arthonia dispersa (Schrad.) Nyl. (2)
Arthonia fuliginosa (Turner & Borrer) Flot. (4)
Arthonia punctiformis Ach. (4)
Arthonia radiata (Pers.) Ach. (1)
Arthonia spadicea Leight. (2)
Arthopyrenia analepta (Ach.)
 A. Massal. non auct. (4)
Arthothelium spectabile Flot. ex A. Massal. (2)
Arthorhaphis alpina (Schaer.) R. Sant. (1)
Aspicilia cinerea (L.) Körb. (4)
Bacidia biatorina (Körb.) Vain. (4)
Bacidia circumspecta (Nyl. ex Vain.) Malme (4)
Bacidia fraxinea Lönnr. (2)
Bacidia friesiana (Hepp) Körb. (4)
Bacidia incompta (Borrer ex Hook.) Anzi (1)
Bacidia laurocerasi (Delise ex Duby) Zahlbr. (4)
Bacidia polychroa (Th. Fr.) Körb. (1)
Bacidia rosella (Pers.) De Not. (1)
Bacidia rubella (Hoffm.) A. Massal. (1)
Bacidia subincompta (Nyl.) Arnold (4)
Bacidia suffusa (Fr.) A. Schneid. (3, 4)
Bacidina phacodes (Körb.) Vězda (2)
Bactrospora dryina (Ach.) A. Massal. (2)
Baeomyces rufus (Huds.) Rebert. (1)
Belonia herculina (Rehm) Keissl. (1)
Biatora efflorescens (Hedl.) Räsänen (4)
Biatora longispora Lendemer & Printzen
 (4; 7: det. Printzen)
Bilimbia lobulata (Sommerf.) Hafellner &
 Coppins (2: as *Mycobilimbia l.*)
Bilimbia sabuletorum (Schreb.) Arnold
 (1: as *Mycobilimbia s.*)
Botryolepraria lesdainii (Hue) Canals et al. (4)
Brodoa intestiniformis (Vill.) Goward (1)
Bryoria bicolor (Ehrh.) Brodo & D. Hawksw. (1)
Bryoria capillaris
 (Ach.) Brodo & D. Hawksw. (1)
Bryoria fuscescens
 (Gyeln.) Brodo & D. Hawksw. (1)
Bryoria implexa
 (Hoffm.) Brodo & D. Hawksw. (1)
Bryoria kuemmerleana
 (Gyeln.) Brodo & D. Hawksw. (4)
Bryoria nadvornikiana
 (Gyeln.) Brodo & D. Hawksw. (2)
Bryoria smithii
 (Du Rietz) Brodo & D. Hawksw. (1)
Buellia disciformis (Fr.) Mudd (2)
Buellia erubescens Arnold (4)
Buellia griseovirens
 (Turner & Borrer ex Sm.) Almb. (4)
Buellia schaereri De Not. (1)
Calicium abietinum Pers. (2)
Calicium lenticulare Ach. (2)
Calicium quercinum Pers. (1)
Calicium salicinum Pers. (1)
Calicium trabinellum (Ach.) Ach. (2)
Caloplaca alociza (A. Massal.) Mig. (2)
Caloplaca ammiospila (Wahlenb.) H. Olivier (1)
Caloplaca arenaria (Pers.) Müll. Arg. (1)
Caloplaca biatorina (A. Massal.) J. Steiner (2)
Caloplaca cerina
 (Ehrh. ex Hedw.) Th. Fr. var. *cerina* (1)
Caloplaca cerinelloides (Erichsen) Poelt (2)
Caloplaca chalybaea (Fr.) Müll. Arg. (1)
Caloplaca chryosophtalma Degel. (4)
Caloplaca cirrochroa (Ach.) Th. Fr. (1)
Caloplaca epiphyta Lynge (4)
Caloplaca flavorubescens
 (Huds.) J. R. Laundon (1)
Caloplaca herbidella (Hue) H. Magn. (1)
Caloplaca holocarpa (Hoffm.) Wade (2)
Caloplaca hungarica H. Magn. (4)
Caloplaca lucifuga G. Thor (4)
Caloplaca saxicola (Hoffm.) Nordin (1)
Caloplaca xantholyta (Nyl.) Jatta (4)
Candelaria concolor (Dicks.) Stein (1)

¹ For a map of the study area see Fig. 2 on page 87 in this volume

- Candelariella lutella* (Vain.) Räsänen (4)
Candelariella reflexa (Nyl.) Lettau (1)
Candelariella unilocularis
 sensu Nimis non (Elenkin) Nimis (4)
Candelariella xanthostigma
 (Pers. ex Ach.) Lettau (4)
Catapyrenium cinereum (Pers.) Körb. (2)
Catillaria minuta (Schaer.) Lettau (1)
Catillaria nigroclavata (Nyl.) Schuler (4)
Catinaria atropurpurea
 (Schaer.) Vězda & Poelt (2)
Cetraria ericetorum Opiz (1)
Cetraria islandica (L.) Ach. (1)
Cetraria muricata (Ach.) Eckfeldt (1)
Cetraria sepincola (Ehrh.) Ach. (1)
Cetrelia cetrarioides (Delise ex Duby) W. L.
 Culb. & C. F. Culb. (1)
Cetrelia chicitae (W. L. Culb.) W. L. Culb. & C.
 F. Culb. (2)
Cetrelia olivetorum (Nyl.) W. L. Culb. & C. F.
 Culb. (1)
Chaenotheca brunneola (Ach.) Müll. Arg. (4)
Chaenotheca chrysocephala (Turner ex Ach.) Th.
 Fr. (1)
Chaenotheca furfuracea (L.) Tibell (1)
Chaenotheca hispidula (Ach.) Zahlbr. (1)
Chaenotheca phaeocephala (Turner) Th. Fr. (4)
Chaenotheca stemonea (Ach.) Müll. Arg. (2)
Chaenotheca trichialis (Ach.) Th. Fr. (1)
Chaenothecopsis rubescens Vain. (4)
Chaenothecopsis viridialba (Kremp.) A. F. W.
 Schmidt (4)
Chrysothrix candelaris (L.) J. R. Laundon (1)
Cladonia arbuscula (Wallr.) Flot. ssp. *arbuscula*
 (1)
Cladonia arbuscula ssp. *mitis* (Sandst.) Ruoss
 (1)
Cladonia arbuscula ssp. *squarrosa* (Wallr.)
 Ruoss (1)
Cladonia caespiticia (Pers.) Flörke (1)
Cladonia cenotea (Ach.) Schaer. (1)
Cladonia coccifera (L.) Willd. (3)
Cladonia coniocraea (Flörke) Spreng. (1)
Cladonia convoluta (Lam.) Cout. (1)
Cladonia digitata (L.) Hoffm. (1)
Cladonia furcata (Huds.) Schrad. (4)
Cladonia furcata ssp. *subrangiformis* (Sandst.)
 Abbayes (2)
Cladonia gracilis (L.) Willd. (3)
Cladonia macilentia Hoffm. (3)
Cladonia macroceras (Delise) Ahti (2)
- Cladonia parasitica* (Hoffm.) Hoffm. (4)
Cladonia pleurota (Flörke) Schaer. (3)
Cladonia pyxidata ssp. *pocillum* (Ach.) A. E.
 Dahl (1)
Cladonia pyxidata (L.) Hoffm. ssp. *pyxidata* (4)
Cladonia rangiferina (L.) Weber ex F. H. Wigg.
 (4)
Cladonia squamosa (Scop.) Hoffm. (1)
Cladonia sulphurina (Michx.) Fr. (3)
Cladonia symphyrcarpia (Flörke) Fr. (2)
Cliostomum corrugatum (Ach.: Fr.) Fr. (1)
Collema auriforme (With.) Coppins & J. R.
 Laundon (2)
Collema cristatum (L.) Weber ex F. H. Wigg. (1)
Collema fasciculare (L.) Weber ex F. H. Wigg.
 (2)
Collema flaccidum (Ach.) Ach. (1)
Collema fragrans (Sm.) Ach. (2)
Collema furfuraceum (Arnold) Du Rietz (1)
Collema fuscovirens (With.) J. R. Laundon (1)
Collema limosum (Ach.) Ach. (1)
Collema multipartitum Sm. (2)
Collema nigrescens (Huds.) DC. (1)
Collema polycarpon Hoffm. (1)
Collema subflaccidum Degel. (4)
Collema tenax (Sw.) Ach. emend. Degel. (2)
Collema undulatum Laurer ex Flot. (2)
Cornicularia normoerica (Gunnerus) Du Rietz
 (1)
Cybebe gracilentia (Ach.) Tibell (4)
Cyphelium tigillare (Ach.) Ach. (1)
Degelia plumbea (Lightf.) P. M. Jørg. & P. James
 (4)
Dermatocarpon intestiniforme (Körb.) Hasse (4)
Dermatocarpon miniatum (L.) W. Mann (4)
Dimelaena oreina (Ach.) Norm. (4)
Dimerella lutea (Dicks.) Trevis. (1)
Dimerella pineti (Schrad.) Vězda (1)
Diploschistes gypsaceus (Ach.) Zahlbr. (1)
Diploschistes muscorum (Scop.) R. Sant. (1)
Diplotomma venustum Körb. (2: as *Buellia* v.)
Dirina stenhammarii (Stenh.) Poelt & Follmann
 (4)
Evernia divaricata (L.) Ach. (1)
Evernia mesomorpha Nyl. (2)
Evernia prunastri (L.) Ach. (1)
Farnoldia jurana (Schaer.) Hertel (4)
Flavocetraria cucullata (Bellardi) Kärnefelt & A.
 Thell (1)
Flavocetraria nivalis (L.) Kärnefelt & A. Thell
 (1)

- Flavoparmelia caperata* (L.) Hale (1)
Flavopunctelia soledica (Nyl.) Hale (1)
Fulgensia fulgens (Sw.) Elenkin (1)
Fulgensia schistidii (Anzi) Poelt (1)
Fuscopannaria praetermissa (Nyl.) P. M. Jørg. (4)
Fuscopannaria saubinetii (Mont.) P. M. Jørg. (4)
Graphis scripta (L.) Ach. (1)
Gyalecta jenensis (Batsch) Zahlbr. (1)
Gyalecta truncigena (Ach.) Hepp (2)
Gyalecta ulmi (Sw.) Zahlbr. (1)
Heterodermia speciosa (Wulfen) Trevis. (2)
Hyperphyscia adglutinata (Flörke) H. Mayrhofer & Poelt (2)
Hypocnomyce scalaris (Ach. ex Lilj.) M. Choisy (1)
Hypogymnia austerodes (Nyl.) Räsänen (4)
Hypogymnia bitteri (Lyng.) Ahti (1)
Hypogymnia farinacea Zopf (1)
Hypogymnia physodes (L.) Nyl. (1)
Hypogymnia tubulosa (Schaer.) Hav. (1)
Hypogymnia vittata (Ach.) Parrique (1)
Hypotrachyna afrorevoluta (Krog & Swinscow) Krog & Swinscow (4)
Hypotrachyna endochlora (Leighton) Hale (1)
Hypotrachyna revoluta (Flörke) Hale (2)
Icmadophila ericetorum (L.) Zahlbr. (1)
Imshaugia aleurites (Ach.) S. L. F. Mey. (1)
Lecania cyrtella (Ach.) Th. Fr. (1)
Lecania dubitans (Nyl.) A. L. Sm. (1)
Lecania naegelii (Hepp) Diederich & van den Boom (4)
Lecanora agardhiana Ach. (2)
Lecanora albella (Pers.) Ach. (1)
Lecanora allophana (Ach.) Nyl. (1)
Lecanora argentata (Ach.) Malme (2)
Lecanora campestris (Schaer.) Hue (2)
Lecanora carpinea (L.) Vain. (1)
Lecanora cenisia Ach. (4)
Lecanora chlarotera Nyl. (2)
Lecanora cinereofusca H. Magn. (2)
Lecanora circumborealis Brodo & Vitik. (2)
Lecanora crenulata (Dicks.) Hook. (1)
Lecanora epibryon (Ach.) Ach. var. *epibryon* (1)
Lecanora glabrata (Ach.) Malme (4)
Lecanora horiza (Ach.) Linds. (1)
Lecanora intricata (Ach.) Ach. (1)
Lecanora laxa (Śliwa & Wetmore) Printzen (4)
Lecanora leuckertiana Zedda (4)
Lecanora mughicola Nyl. (4)
Lecanora muralis (Schreb.) Rabenh. s. l. (1)
Lecanora praesistens Nyl. (2)
Lecanora rupicola (L.) Zahlbr. (4)
Lecanora stenotropa Nyl. (2)
Lecanora subintricata (Nyl.) Th. Fr. (4)
Lecanora subrugosa Nyl. (2)
Lecanora symmicta (Ach.) Ach. (1)
Lecanora thysanophora R. C. Harris (2)
Lecanora varia (Hoffm.) Ach. (2)
Lecidea lapicida (Ach.) Ach. var. *pantherina* (DC.) Ach. (4)
Lecidella anomaloides (A. Massal.) Hertel & A. Kiliás (6)
Lecidella carpathica Körb. (4)
Lecidella elaeochroma (Ach.) M. Choisy (4)
Lempholemma cladodes (Tuck.) Zahlbr. (4)
Lepraria incana (L.) Ach. (6, det. Bayerová)
Lepraria lobificans Nyl. (4)
Leptogium burnetiae Dodge (1)
Leptogium cyanescens (Pers.) Körb. (1)
Leptogium gelatinosum (With.) J. R. Laundon (1)
Leptogium hildenbrandii (Garov.) Nyl. (1)
Leptogium intermedium (Arnold) Arnold (4)
Leptogium lichenoides (L.) Zahlbr. (2)
Leptogium saturninum (Dicks.) Nyl. (1)
Leucocarpia dictyospora (Orange) R. Sant. (4)
Lichenomphalina umbellifera (L.: Fr.) Redhead et al. (1: as *Omphalina u.*)
Lobaria amplissima (Scop.) Forssell (1)
Lobaria pulmonaria (L.) Hoffm. (1)
Lobaria scrobiculata (Scop.) DC. (1)
Lobothallia radiosa (Hoffm.) Hafellner (4)
Maronea constans (Nyl.) Hepp (4)
Megalaria laureri (Hepp ex Th. Fr.) Hafellner (2)
Megaspora verrucosa (Ach.) Hafellner & V. Wirth (1)
Melanelia disjuncta (Erichsen) Essl. (1)
Melanelixia fuliginosa (Fr. ex Duby) O. Blanco et al. (1: as *Melanelia glabrata*)
Melanelixia glabra (Schaer.) O. Blanco et al. (1: as *Melanelia g.*)
Melanelixia subargentifera (Nyl.) O. Blanco et al. (2: as *Melanelia s.*)
Melanelixia subaurifera (Nyl.) O. Blanco et al. (1: as *Melanelia s.*)
Melanohalea exasperata (De Not.) O. Blanco et al. (1: as *Melanelia e.*)
Melanohalea exasperatula (Nyl.) O. Blanco et al. (1: as *Melanelia e.*)
Melaspilea gibberulosa (Ach.) Zwackh (1)
Menegazzia terebrata (Hoffm.) A. Massal. (1)

- Micarea peliocarpa* (Anzi) Coppins & R. Sant. (1)
Micarea prasina Fr. (4)
Multiclavula mucida (Pers.) R. H. Petersen (4)
Mycobilimbia carnealbida (Müll. Arg.) Vitik. et al. (1)
Mycobilimbia epixanthoides (Nyl.) Vitik. et al. (4)
Mycobilimbia lurida (Ach.) Hafellner & Türk (4)
Mycobilimbia sanguineoatra (Wulfen) Kalb & Hafellner (1)
Mycocalicium subtile (Pers.) Szatala (4)
Mycomicrothelia wallrothii (Hepp) D. Hawksw. (4)
Myelochroa aurulenta (Tuck.) Elix & Hale (4)
Myelochroa metarevoluta (Asahina) Elix & Hale (4)
Nephroma helveticum Ach. (1)
Nephroma parile (Ach.) Ach. (1)
Nephroma resupinatum (L.) Ach. (1)
Normandina pulchella (Borrer) Nyl. (2)
Ochrolechia androgyna (Hoffm.) Arnold (2)
Ochrolechia arborea (Kreyer) Almb. (2)
Ochrolechia balcanica Verseghy (4)
Ochrolechia pallescens (L.) A. Massal. (1)
Ochrolechia szatalaensis Verseghy (4)
Ochrolechia turneri (Sm.) Hasselrot (4)
Opegrapha dolomitica (Arnold) Clauzade & Cl. Roux ex Torrente & Egea (4)
Opegrapha ochrocheila Nyl. (4)
Opegrapha rufescens Pers. (4)
Opegrapha varia Pers. (1)
Opegrapha vermicellifera (Kunze) J. R. Laundon (2)
Opegrapha viridis (Ach.) Nyl. (1)
Opegrapha vulgata (Ach.) Ach. (1)
Opegrapha vulgata var. *subseridella* Nyl. (2)
Ophioparma ventosa (L.) Norman (1)
Pachyphiale fagicola (Hepp) Zwackh (4)
Pannaria conoplea (Pers.) Bory (1)
Pannaria rubiginosa (Thunb.) Delise (2)
Parmelia barroanae Divakar et al. (4)
Parmelia ernstiae Feuerer & A. Thell (6, conf. Feuerer)
Parmelia omphalodes (L.) Ach. (1)
Parmelia saxatilis (L.) Ach. (1)
Parmelia submontana Nád. ex Hale (1)
Parmelia sulcata Taylor (1)
Parmeliella parvula P. M. Jørg. (4)
Parmeliella triptophylla (Ach.) Müll. Arg. (1)
Parmelina pastillifera (Harm.) Hale (1)
Parmelina quercina (Willd.) Hale (1)
Parmelina quercina var. *carporrhizans* (Taylor) V. Wirth (2)
Parmelina tiliacea (Hoffm.) Hale (1)
Parmeliopsis ambigua (Wulfen) Nyl. (1)
Parmotrema arnoldii (Du Rietz) Hale (1)
Parmotrema perlatum (Huds.) M. Choisy (1: as *P. chinense*)
Parmotrema reticulatum (Taylor) M. Choisy (2: as *Rimelia* r.)
Parmotrema stuppeum (Taylor) Hale (1)
Peltigera aphthosa (L.) Willd. (1)
Peltigera canina (L.) Willd. (4)
Peltigera collina (Ach.) Röhl. (1)
Peltigera degenii Gyeln. (1)
Peltigera didactyla (With.) J. R. Laundon (4)
Peltigera elisabethae Gyeln. (4)
Peltigera horizontalis (Huds.) Baumg. (1)
Peltigera lepidophora (Nyl. ex Vain.) Bitter (4)
Peltigera leucophlebia (Nyl.) Gyeln. (1)
Peltigera neckeri Hepp ex Müll. Arg. (1)
Peltigera polydactylon (Neck.) Hoffm. (4)
Peltigera praetextata (Flörke ex Sommerf.) Vain. (1)
Peltigera rufescens (Weiss) Humb. (4)
Peltigera venosa (L.) Baumg. (1)
Pertusaria albescens (Huds.) M. Choisy & Werner (1)
Pertusaria alpina Hepp ex Ahles (4)
Pertusaria amara (Ach.) Nyl. (1)
Pertusaria aspergilla (Ach.) J. R. Laundon (1)
Pertusaria caucasica Erichsen (2)
Pertusaria coccodes (Ach.) Nyl. (1)
Pertusaria constricta Erichsen (4)
Pertusaria corallina (L.) Arnold (4)
Pertusaria coronata (Ach.) Th. Fr. (4)
Pertusaria flavida (DC.) J. R. Laundon (4)
Pertusaria glomerata (Ach.) Schaer. (2)
Pertusaria hemisphaerica (Flörke) Erichsen (2)
Pertusaria lactea (L.) Arnold (1)
Pertusaria leioplaca DC. (1)
Pertusaria trachythallina Erichsen (2)
Pertusaria waghornei Hulting (4)
Petractis clausa (Hoffm.) Kremp. (1)
Phaeophyscia adiastrata (Essl.) Essl. (4)
Phaeophyscia chloantha (Ach.) Moberg (2)
Phaeophyscia ciliata (Hoffm.) Moberg (2)
Phaeophyscia endococcina (Körb.) Moberg (6)
Phaeophyscia endophoenicea (Harm.) Moberg (1)
Phaeophyscia erythrocardia (Tuck.) Essl. (4)
Phaeophyscia hispidula (Ach.) Essl. (1)
Phaeophyscia kairamoi (Vainio) Moberg (2)
Phaeophyscia orbicularis (Neck.) Moberg (1)

- Phaeophyscia pusilloides* (Zahlbr.) Essl. (1)
Phaeophyscia rubropulchra (Degel.) Essl. (1)
Phaeophyscia sciastra (Ach.) Moberg (6)
Phaeorrhiza nimbosea (Fr.) H. Mayrhofer & Poelt (2)
Phlyctis agelaea (Ach.) Flot. (2)
Phlyctis argena (Spreng.) Flot. (2)
Physcia adscendens (Th. Fr.) H. Olivier (1)
Physcia aipolia (Ehrh. ex Humb.) Fűrnr. (1)
Physcia caesia (Hoffm.) Fűrnr. (4)
Physcia phaea (Tuck.) J. W. Thomson (4)
Physcia stellaris (L.) Nyl. (1)
Physcia tenella (Scop.) DC. (4)
Physconia detersa (Nyl.) Poelt (1)
Physconia distorta (With.) J. R. Laundon (1)
Physconia muscigena (Ach.) Poelt (1)
Physconia perisidiosa (Erichsen) Moberg (1)
Placocarpus schaeferi (Fr.) Breuss (1)
Placynthiella icmalea (Ach.) Coppins & P. James (2)
Placynthium filiforme (Garov.) M. Choisy (2)
Placynthium nigrum (Huds.) Gray (1)
Platismatia glauca (L.) W. L. Culb. & C. F. Culb. (1)
Polyblastia ventulosa Grummann (4)
Porina aenea (Wallr.) Zahlbr. (1)
Porpidia albocaerulescens (Wulfen) Hertel & Knoph (4)
Porpidia crustulata (Ach.) Hertel & Knoph (4)
Porpidia macrocarpa (DC.) Hertel & A. J. Schwab (2)
Porpidia speirea (Ach.) Kremp. (4)
Protoblastenia calva (Dicks.) Zahlbr. (2)
Protoblastenia incrustans (DC.) J. Steiner (4)
Protoblastenia rupestris (Scop.) J. Steiner (4)
Protopannaria pezizoides (Weber ex F. H. Wigg.) P. M. Jørg. & S. Ekman (4)
Protoparmelia badia (Hoffm.) Hafellner (6)
Pseudophebe pubescens (L.) M. Choisy (4)
Pseudevernia furfuracea (L.) Zopf (1)
Psora crenata (Th. Tayl.) Reinke (1)
Punctelia jeckeri (Roum.) Kalb (2: as *P. ulophylla*)
Punctelia perreticulata (Räsänen) G. Wilh. & Ladd (4)
Punctelia subrudecta (Nyl.) Krog (2)
Pycnora praestabilis (Nyl.) Hafellner (4)
Pyrenula coryli A. Massal. (4)
Pyrenula laevigata (Pers.) Arnold (1)
Pyrenula nitida (Weigel) Ach. (1)
Pyrenula nitidella (Flörke ex Schaer.) Müll. Arg. (4)
- Pyxine sorediata* (Ach.) Mont. (2)
Ramalina baltica Lettau (4)
Ramalina calicaris (L.) Fr. (1)
Ramalina conduplicans Vain. (4)
Ramalina dilacerata (Hoffm.) Hoffm. (2)
Ramalina farinacea (L.) Ach. (1)
Ramalina fraxinea (L.) Ach. (1)
Ramalina obtusata (Arnold) Bitter (1)
Ramalina panizzei De Not. (4)
Ramalina pollinaria (Westr.) Ach. (1)
Ramalina polymorpha (Lilj.) Ach. (1)
Ramalina roesleri (Hochst. ex Schaer.) Hue (2)
Ramalina sinensis Jatta (2)
Rhizocarpon atroflavescens Lynge (4)
Rhizocarpon disporum (Nägeli ex Hepp) Müll. Arg. (4)
Rhizocarpon geographicum (L.) DC. (2)
Rhizocarpon umbilicatum (Ramond) Flagey (1)
Rhizoplaca chrysoleuca (Sm.) Zopf (4)
Rhizoplaca melanophthalma (DC.) Leuckert & Poelt (4)
Rinodina bischoffii (Hepp) A. Massal. (2)
Rinodina confragosa (Ach.) Körb. (4)
Rinodina degeliana Coppins (4)
Rinodina exigua (Ach.) Gray (4)
Rinodina griseosoralifera Coppins (4)
Rinodina immersa (Körb.) Arnold (2)
Rinodina isidioides (Borrer) H. Olivier (2)
Rinodina polyspora Th. Fr. (4)
Rinodina septentrionalis Malme (4)
Rinodina sophodes (Ach.) A. Massal. (4)
Rinodina turfacea (Wahlenb.) Körb. (4)
Sarcogyne pusilla Anzi (4)
Sclerophora pallida (Pers.) Y. J. Yao & Spooner (4)
Scoliciosporum chlorococcum (Graewe ex Stenh.) Vězda (2)
Scoliciosporum umbrinum (Ach.) Arnold (1)
Solorina bispora Nyl. (4)
Solorina saccata (L.) Ach. (1)
Squamarina cartilaginea (With.) P. James (1)
Stenocybe pullatula (Ach.) Stein (6)
Sticta fuliginosa (Dicks.) Ach. (1)
Sticta sylvatica (Huds.) Ach. (1)
Strigula stigmatella (Ach.) R. C. Harris (1)
Tephromela atra (Huds.) Hafellner (2)
Thamnolia vermicularis var. *subuliformis* (Ehrh.) Schaer. (1)
Thamnolia vermicularis (Sw.) Ach. ex Schaer. var. *vermicularis* (4)
Thelidium zwackhii (Hepp) A. Massal. (6)
Thelotrema lepadinum (Ach.) Ach. (1)

- Toninia alutacea* (Anzi) Jatta (1)
Toninia candida (Weber) Th. Fr. (2)
Toninia opuntiioides (Vill.) Timdal (2)
Toninia sedifolia (Scop.) Timdal (2)
Trapelia corticola Coppins & P. James (2)
Trapeliopsis flexuosa (Fr.) Coppins & P. James (4)
Trapeliopsis granulosa (Hoffm.) Lumbsch (4)
Tuckermannopsis chlorophylla (Willd.) Hale (1)
Tuckneraria laureri (Kremp.) Randl. & Thell (1)
Umbilicaria crustulosa (Ach.) Frey (4)
Umbilicaria cylindrica (L.) Delise ex Duby (1)
Umbilicaria deusta (L.) Baumg. (1)
Umbilicaria nylanderiana (Zahlbr.) H. Magn. (4)
Umbilicaria polyphylla (L.) Baumg. (6)
Umbilicaria vellea (L.) Hoffm. (4)
Usnea articulata (L.) Hoffm. (1)
Usnea barbata (L.) Weber ex F. H. Wigg. (6)
Usnea cavernosa Tuck. (1)
Usnea ceratina Ach. (1)
Usnea chaetophora Stirt. (4)
Usnea filipendula Stirt. (1)
Usnea florida (L.) Weber ex F. H. Wigg. (2)
Usnea fulvovireagens (Räsänen) Räsänen (2)
Usnea glabrata (Ach.) Vain. (2)
Usnea glabrescens (Nyl. ex Vain.) Vain. (4)
Usnea hirta (L.) Weber ex F. H. Wigg. (2)
Usnea lapponica Vain. (4)
Usnea longissima Ach. (1)
Usnea rigida (Ach.) Motyka (1)
Usnea scabrata Nyl. (2)
Usnea silesiaca Motyka (4)
Usnea subfloridana Stirt. (2)
Usnea wasmuthii Räsänen (4)
Verrucaria dufourii DC. (6)
Vulpicida pinastri (Scop.) J.-E. Mattson & M. J. Lai (1)
- Xanthomendoza fallax* (Hepp) Söchting et al. (2: as *Xanthoria f.*)
Xanthomendoza ulophylloides (Räsänen) Söchting et al. (2: as *Xanthoria u.*)
Xanthoparmelia conspersa (Ach.) Hale (1)
Xanthoparmelia stenophylla (Ach.) Ahti & D. Hawksw. (4)
Xanthoria candelaria (L.) Th. Fr. (4)
Xanthoria elegans (Link) Th. Fr. (1)
Xanthoria parietina (L.) Th. Fr. (1)
Xylographa parallela (Ach.) Fr. (4)
- Lichenicolous fungi**
- Brothallus bertianus* De Not. (4)
Chaenothecopsis consociata (Nádv.) A. F. W. Schmidt (1)
Chaenothecopsis ochroleuca (Körb.) Tibell (2)
Dactylospora lobiariella (Nyl.) Hafellner (4)
Dactylospora parasitica (Flörke ex Spreng.) Zopf (2)
Microcalicium disseminatum (Ach.) Vain. (2)
Muellerella hospitans Stizenb. (2)
Phacopsis oxyspora (Tul.) Triebel & Rambold (4)
Phoma lichenis Pass. (4)
Plectocarpon lichenum (Sommerf.) D. Hawksw. (4)
Pyrenidium actinellum Nyl. (2)
Sphinctrina turbinata (Pers.) De Not. (2)
Stigmidium microspilum (Körb.) D. Hawksw. (4)
Stigmidium schaeferi (A. Massal.) Trevis. (2)
Taeniolella phaeophysciae D. Hawksw. (4)
Taeniolella punctata M. S. Christ. & D. Hawksw. (2)
Vouauxiomyces truncatus (de Lesd.) Dyko & D. Hawksw. (2)

Data sources

- (1) OTTE, V. (2001): Flechten und Moose im Gebiet des Bolschoi Tchatsch (NW-Kaukasus) – eine erste Übersicht, ergänzt durch einige von D. Benkert bestimmte Pezizales. – Feddes Repert. **112**: 565 – 582
 (2) OTTE, V. (2004): Flechten, Moose und lichenicole Pilze aus dem nordwestlichen Kaukasus – erster Nachtrag. – Feddes Repertorium **115** (1 – 2): 155 – 163
 (3) OTTE, V.: collections of I. Brunk 08/2005, det. V. Otte
 (4) OTTE, V. (2007): Flechten, lichenicole Pilze und Moose aus dem Nordwest-Kaukasus – zweiter Nachtrag. – Herzogia **20**: 221 – 237
 (5) OTTE, V. (2007): *Bacidia suffusa* (Lichenes: Bacidiaceae) in Adygheya (Caucasus), the first record outside America. – Abh. Ber. Naturkundemus. Görlitz **78** (2): 141 – 145
 (6) OTTE, V. (ined.)
 (7) PRINTZEN, CH. & V. OTTE (2005): *Biatora longispora*, new to Europe, and a revised key to European and Macaronesian *Biatora* species. – Graphis Scriba **17** (2): 56 – 61



Fig. A2-54



Fig. A2-55



Fig. A2-56



Fig. A2-57



Fig. A2-58



Fig. A2-59

- Fig. A2-54 Beard lichens are common in the upper mountain forest belt of the study area (near the Polána Šestakova, *Abies* branch with *Bryoria capillaris* and other lichens, August 2007, Photo: V. Otte)
- Abb. A2-54 Bartflechten sind eine gewöhnliche Erscheinung in der oberen Bergwaldstufe des Untersuchungsgebietes (nahe der Polána Šestakova, *Abies*-Ast mit *Bryoria capillaris* und anderen Flechten, August 2007, Foto: V. Otte)
- Илл. A2-54 Бородатые лишайники в области исследования являются обычным явлением в верхнем горно-лесном поясе (возле поляны Шестакова, пихтовый (*Abies*) сук с *Bryoria capillaris* и другими лишайниками, август 2007 г., фото: Ф. Отте)
- Fig. A2-55 *Ramalina conduplicans* was hitherto only known from East Asia and the Himalayas. In the study area it occurs scattered in the lower and middle mountain forest belts, particularly in moist valleys (valley of the Malyj Sahraj, floodplain of the river, alder forest, on *Alnus incana*, August 2007, Photo: V. Otte).
- Abb. A2-55 *Ramalina conduplicans* war bisher nur aus Ostasien und dem Himalaja bekannt. Im Untersuchungsgebiet ist sie zerstreut in der unteren und mittleren Bergwaldstufe anzutreffen, besonders in feuchten Tälern (Tal des Malyj Sahraj, Bachaue, Erlenwald, an *Alnus incana*, August 2007, Foto: V. Otte).
- Илл. A2-55 *Ramalina conduplicans* до сих пор была известна только в восточной Азии и в Гималаях. В области исследования она встречается рассеянно в нижнем и среднем горно-лесных поясах, в частности во влажных долинах (долина р. Малый Сахрай, ольшаник в пойме реки, на *Alnus incana*, август 2007 г., фото: Ф. Отте).
- Fig. A2-56, A2-57 While *Phaeophyscia rubropulchra* (Photo above) is common in the beech belt of the study area, its fertile »sister species« *Ph. erythrocardia* (Photo below) was found only in the Afonka valley. Both behave as »Tertiary relicts« with a preference for areas with warm and simultaneously moist summers and are therefore very rare or absent in Europe. (*Ph. rubropulchra*: herbarium specimen GLM-L-15520, on *Fagus orientalis* near the rapids Man'kin Šum, leg. V. Otte August 2003; *Ph. erythrocardia*: herbarium specimen GLM-L-23089, on *Acer* in the Afonka valley at 1250 m a.s.l., leg. V. Otte August 2005; Photo: V. Otte)
- Abb. A2-56, A2-57 Während *Phaeophyscia rubropulchra* (Foto oben) in der Buchenwaldstufe des Untersuchungsgebietes eine gewöhnliche Erscheinung ist, wurde ihre fertile »Schwesterart« *Ph. erythrocardia* (Foto unten) nur im Afonkatal gefunden. Beide verhalten sich wie »Tertiärrelikte« mit Bevorzugung von Gebieten mit warmen und zugleich feuchten Sommern und sind daher in Europa sehr selten oder fehlen dort ganz. (*Ph. rubropulchra*: Herbarbeleg GLM-L-15520, an *Fagus orientalis* nahe dem Wasserfall Man'kin Šum, leg. V. Otte August 2003; *Ph. erythrocardia*: Herbarbeleg GLM-L-23089, an *Acer* im Afonkatal auf 1250 m ü. NN, leg. V. Otte August 2005; Foto: V. Otte)
- Илл. A2-56, A2-57 Если *Phaeophyscia rubropulchra* (верхний снимок) обычна для букового пояса в области исследования; то её плодородная »видовая-родственница« *Ph. erythrocardia* (нижний снимок) была найдена только в долине р. Афонка. Обе ведут себя как реликты третичного периода, предпочитают области с тёплым и одновременно влажным летом и поэтому в Европе встречаются очень редко или вообще отсутствуют. (*Ph. rubropulchra*: гербарный образец GLM-L-15520, на *Fagus orientalis* возле водопада Манькин Шум, сбор Ф. Отте август 2003 г.; *Ph. erythrocardia*: гербарный образец GLM-L-23089, на *Acer* в долине р. Афонка на 1250 м н. у. м., сбор Ф. Отте август 2005 г.; фото: Ф. Отте)

- Fig. A2-58 *Bacidia suffusa* was hitherto only known from eastern North America (near the rapids Man'kin Šum, on *Fraxinus*, herbarium specimen GLM-L-15516, leg. V. Otte August 2003, Photo: V. Otte)
- Abb. A2-58 *Bacidia suffusa* war bisher nur aus dem östlichen Nordamerika bekannt (nahe dem Wasserfall Man'kin Šum, an *Fraxinus*, Herbarexemplar GLM-L-15516, leg. V. Otte August 2003, Foto: V. Otte)
- Илл. A2-58 *Bacidia suffusa* была до сих пор известна только на востоке Северной Америки (возле водопада Манькин Шум, на *Fraxinus*, гербарный образец GLM-L-15516, сбор Ф. Отте август 2007 г., фото: Ф. Отте)
- Fig. A2-59 *Lecanora thysanophora* can be found everywhere in the beech belt of the study area. It was described only some years ago from eastern North America and evidently also belongs to the species with an affinity to the summer-moist climate type characteristic to the eastern sides of the continents with parts of Caucasia as the most important outpost in western Eurasia (between Mt Koryto and the Kuna valley, 1300 m, August 2007, Photo: V. Otte).
- Abb. A2-59 *Lecanora thysanophora* ist in der Buchenwaldstufe des Untersuchungsgebietes allgegenwärtig. Sie wurde erst vor wenigen Jahren aus dem östlichen Nordamerika beschrieben und gehört offenbar ebenfalls zu den Arten, die das sommerfeuchte Klima auf den Ostseiten der Kontinente bevorzugen und ihren wichtigsten Vorposten innerhalb Westeurasiens im Kaukasus besitzen (zwischen dem Berge Koryto und dem Kunatal, 1300 m, August 2007, Foto: V. Otte).
- Илл. A2-59 *Lecanora thysanophora* в области исследования встречается повсеместно в поясе букняка. Она была описана буквально несколько лет назад на востоке Северной Америки и очевидно принадлежит к видам, тоже предпочитающих климат с влажным летом, характерным для восточных частей континентов, и нашедших на Кавказе свой самый значимый форпост в пределах западной Евразии (между г. Корыто и долиной р. Куна, 1300 м н. у. м., август 2007 г., фото: Ф. Отте).