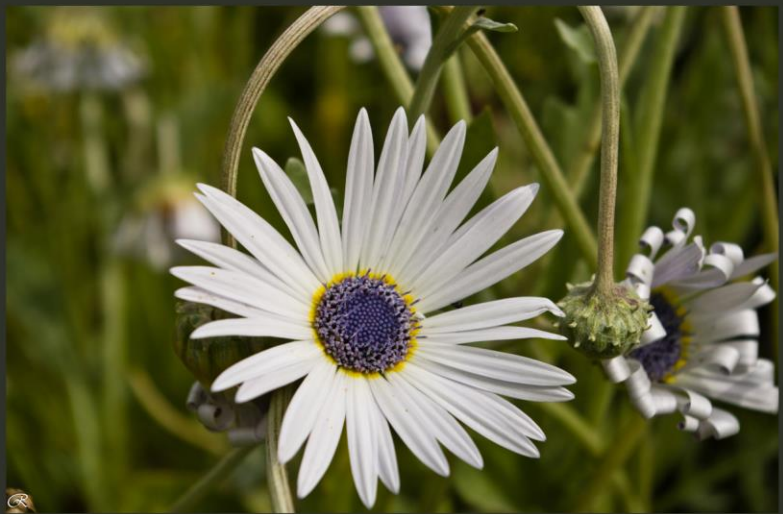




ŠIAULIŲ
UNIVERSITETAS
BOTANIKOS SODAS

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**BOTANIC GARDEN OF
ŠIAULIAI UNIVERSITY**

**INDEX SEMINUM 2016
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**BOTANIC GARDEN OF ŠIAULIAI UNIVERSITY
ASSOCIATION OF BOTANIC GARDENS OF LITHUANIAN UNIVERSITIES
(LUBSA)**

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Cover images from photographer **Romualdas Struoga**

ŠIAULIAI UNIVERSITY BOTANIC GARDEN

ŠIAULIAI AREA. Šiauliai is a city of Northern Lithuania. It counts its years from the Battle of Saulė which took place in 1236. Šiauliai is the fourth largest city by its population. Population: 102 983.

HISTORY. Šiauliai University Botanic Garden was established in 1997 at the former site of Agrobiological Station of Šiauliai University. Total area of the garden is 6.54 ha. Since 2003 Šiauliai University Botanic Garden is a member of Botanic Gardens Conservation International, Planta Europa Network, Association of Botanic Gardens in the Baltic Sea Region, Botanical Gardens of the Baltic Countries and the Association of Lithuanian University Botanic Gardens (LUBSA). Since 2005 the Botanic Garden is a member of International Network of Phenological Gardens of Europe (IPG). There is a Club of Botanic Garden Friends at the Botanical Garden. The Garden exchanges seeds with more than 250 botanical gardens of the world. Director: dr. Martynas Kazlauskas.

Fields of research

- Research on plant biodiversity *ex situ* and *in situ*
- Research on introduction and acclimatization of ornamental plants
- Phenological observations

Other activities

- *ex situ* conservation
- educational activities at the botanic garden
- organization of events at the botanic garden

COLLECTIONS OF THE BOTANIC GARDEN. The garden has specimens of over 4000 species and varieties of plants. The plants are kept in 6 sections.

- **Section of Plant Systematics and Geography.** The plants are explored and displayed in accordance with the system of *Magnoliophyta* division by A. L. Takhtajan. Plant families are arranged in alphabetical order. Since 2000 the section has specimens of over 900 plant species from 92 families. The section is supervised by botanical collections supervisor Žydrūnė Valainytė.
- **Section of Lithuanian Flora.** Section of Lithuanian Flora was established in 2011. The section includes herbaceous plants from different ecosystems: swamps, wet and dry meadows, forests. Priorities: rare and protected species of plants, beneficial (medicinal and ethnobotanical) plants. The section covers 70 species of plants included in the Red Book of Lithuania. The section is supervised by the botanical collections supervisor Virginija Aleknienė.
- **Section of Floriculture.** The section was opened in 2004. It currently has over 1200 different species and varieties of annual and perennial ornamental plants which fall under 58 families. The largest collections are those of *Lilium*, *Hemerocalis* and *Iris*. The section is supervised by senior supervisor of botanical collections Indrė Šklenikienė.
- **Section of Mountain Plants.** Since 2000 this section has specimens of mountain flora from Europe, Asia, and North America. There are over 1000 species and varieties of plants which fall under 70 families. The main priorities for choosing the species are: ornamental features, natural resources of the species, beneficial features of the plant. The section is supervised by junior research associate dr. Rimanta Vainorienė.

- **Section of Dendrology.** Dendrological collection has been maintained since 1999. Currently it has over 900 taxons of woody plants. The area of the garden is not large, therefore, it mainly focuses on groundling plants. One of the largest collections is that of *Ericaceae* family, covering over 300 species and varieties from *Rhododendron*, *Calluna*, *Kalmia*, *Gaultheria*, *Erica* and *Vaccinium* genus. The section is supervised by senior supervisor of botanical collections Vaidas Juknevičius.
- **Phenological Garden.** Since 2005 our botanic garden is a member of phenological observations network in Europe. Phenological garden is intended for observation of phenological phases of plants and research on genetically identical woody plants. Supervisor: junior research associate dr. Rimanta Vainorienė.

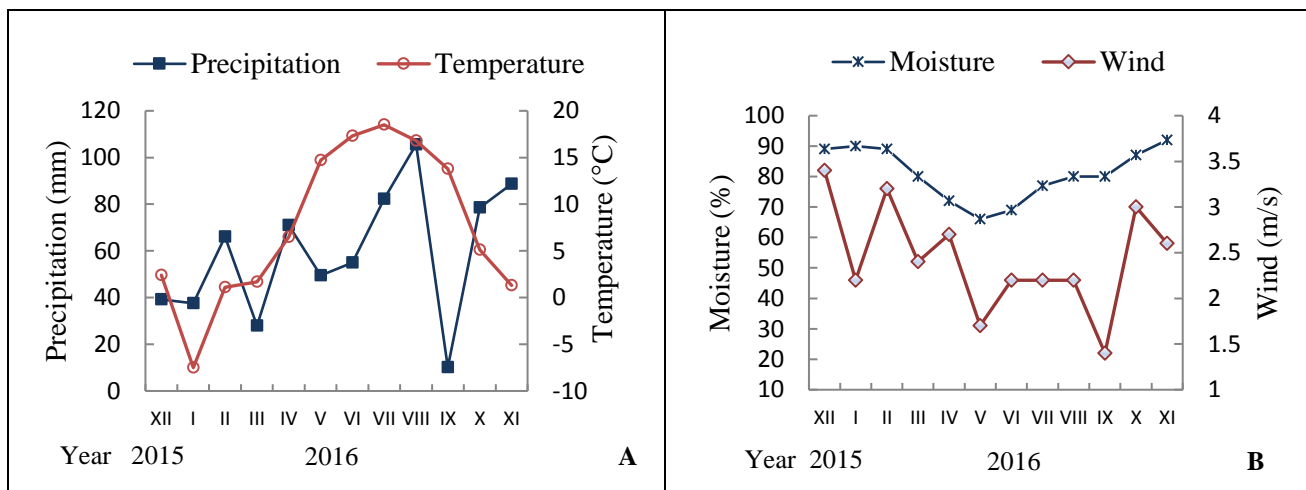
GEOGRAPHICAL SITUATION:

Latitude N 55° 55' 57.7"

Longitude E 23° 16' 57.0"

Zone 5

CLIMATIC CONDITIONS:



Distribution of mean month: precipitation and temperatures (A), moisture and wind speed (B) from December 2015 till November 2016.

Collectors: V. Aleknienė, D. Ūsienė, R. Vainorienė, I. Šklenikienė, Ž. Valainytė.

* - Seeds collected in 2015

SEEDS FROM FOREIGN PLANTS CULTIVATED IN THE GARDEN

MAGNOLIOPHYTA Cronquist, Takht. et W. Zimm. ex Reveal.

MAGNOLIOPSIDA Brongn.

ACANTHACEAE Juss.

1. *Acanthus hungaricus** (Borbás) Baenitz (Cullen J. et al., 2000) [(*Acanthus balcanicus* Heywood et I. Richardson), Botanical Garden of the University of Tartu, EE, 2003].

AMARANTHACEAE Juss.

2. *Celosia argentea* L.* [Botanical Garden of the University of Tartu, EE, 2015].
3. *Celosia argentea* L. var. **cristata*** [National Botanic Garden of Belgium, Meise, BE, 2015].

APIACEAE Lindl.

4. *Aegopodium podagraria* L. f. **variegata** [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].
5. *Angelica amurensis* Shischk* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2004].
6. *Angelica atropurpurea* L.* [The Botanical Garden of the University of Tübingen, DE, 2012].
7. *Astrantia carniolica* Wulfen 'Rubra' [Botanical Garden of Lodz, PL, 2003].
8. *Astrantia maxima* Pall. [Botanical Garden of Lodz, PL, 2003].
9. *Astrantia trifida* Hoffm. [The Botanical Garden of Lyon, FR, 2004].
10. *Athamanta turbith* (L.) Brot. ssp. **haynaldii** (Borbás et Uechtr.) Tutin* [Botanical Garden Rennsteiggarten Oberhof, DE, 2010].
11. *Bupleurum griffithii* 'Décor'* [Ural State University Botanical Garden, Ekaterinburg, RU, 2004].
12. *Carum carvi* L.* [Alexandru Borza Cluj-Napoca University Botanic Garden, RO, 2008].
13. *Carum rigidulum* Koch.* [The Botanic Garden of the University of Padua, IT, 2004].
14. *Chaerophyllum aromaticum* L.* [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2008].
15. *Chaerophyllum aureum* L.* [Botanical Garden University of Hamburg, DE, 2004].
16. *Chaerophyllum hirsutum* L. [The Botanical Garden of the University of Tübingen, DE, 2002].
17. *Chaerophyllum hirsutum* L. ssp. **villarsii** (W.D.J. Koch) Arcang.* [The Botanical Garden of the University of Tübingen, DE, 2012].
18. *Conium maculatum* L.* [Cheboksary Botanical Garden, RU, 2011].
19. *Cryptotaenia canadensis* (L.) DC.* [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2004].
20. *Cuminum cyminum* L. [The Botanical Garden of Besançon, FR, 2011].
21. *Dorema ammoniacum* D. Don [The Munich Botanical Garden, Nymphenburg, DE, 2007].
22. *Endressia pyrenaica* (Gay ex DC.) Gay* [The Alpine Botanical Garden "Rezia", Bormio, IT, 2008].
23. *Eryngium bourgatii* Gouan.* [University of Oxford Botanic Garden and Harcourt Arboretum, UK, 2004].
24. *Eryngium caucasicum* Trautvetter [The Botanic Garden of the University of Padua, IT, 2006].
25. *Eryngium wrightii* A. Gray.* [University of Alberta Devonian Botanic Garden, CA, 2004].
26. *Ferula assa-foetida* L. [Botanical Garden of the Carinthian Botanic Center, Klagenfurt, AT, 2012].
27. *Laser trilobum* (L.) Borkh. [Botanic Garden of the Philipp University of Marburg, DE, (Deu Hessen 5517 Anhohe Oberkleen), 2002].
28. *Ligusticum lucidum* Mill. (<http://www.ipni.org/index.html>), [(*Ligusticum lucidum* Ait), Royal Botanic Garden, Juan Carlos I, Madrid, ES, 2004].
29. *Meum athamanticum* Jacq.* [Botanic Garden of the Philipp University of Marburg, DE, 2002].
30. *Mutellina purpurea* (Poir.) Thell.* [Botanical Garden of Maria Curie-Skłodowska University, Lublin, PL, 2003].
31. *Peucedanum austriacum* W. D. J. Koch.* [Nancy Botanical Garden, FR, 2002].
32. *Peucedanum cervaria* (L.) Lapeyr. [Botanical Garden of the University Vienna, AT, 2002].
33. *Peucedanum ostruthium* (L.) W. D. J. Koch.* [National Botanic Garden of Belgium, Meise, BE, 2003].
34. *Sanicula marilandica* L.* [The Botanical Garden of Bonn University, DE, 2003].
35. *Scandix pecten-veneris* L.* [Botanical Garden of the University of Zurich, CH, 2014].

ASCLEPIADACEAE R. Br.

36. *Vincetoxicum rossicum* (Kleop.) Barbar. (Czerepanov, 1995)* [(*Vincetoxicum roseum*), Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].

ASTERACEAE Dumort.

37. *Achillea grandifolia* Friv.* [The Botanical Garden of the University of Ulm, DE, 2004].
38. *Alfredia cernua* (L.) Cass.* [Central Botanical Garden of National Academia Science of Belarus, Minsk, BY, 2003].
39. *Antennaria alpina* (L.) Gaertn [The Alpine Botanical Garden “Rezia”, Bormio, IT, 2009].
40. *Antennaria carpatica* (Wahlenb.) Bluff et Fingerh. [The Botanical Garden of the University of Tübingen, DE, 2002].
41. *Antennaria fallax* Greene [Botanical Garden of the University of Tartu, EE, 2004].
42. *Arnica alpina* (L.) Olin [The Botanical Garden of the University of Regensburg, DE, 2002].
43. *Arnica frigida* C. A. Mey. ex Iljin [Tromso Botanic Garden, Institute of Botanic and Geology and Tromso Museum, University of Tromso, NO, 2007].
44. *Aster alpinus* L.* [Botanical Garden Teplice, CZ, 2012].
45. *Aster alpinus* L. var. *dolomiticus* Beck. [The Alpine Botanical Garden “Paradisio”, IT, 2009].
46. *Aster caucasicus* Willd. [University of Alberta Devonian Botanic Garden, CA, 2004].
47. *Aster flaccidus* Bunge* [Botanical Garden “La Thomasia”, Lausanne, CH, 2010].
48. *Centaurea aplolepa* Moretti ssp. *carueliana* (Micheletti) Dostál [The Botanical Garden of Bonn University, DE, 2012].
49. *Centaurea nemoralis* Jord.* [National Botanic Garden of Belgium, Meise, BE, 2002].
50. *Centaurea pulchra* DC. [The Alpine Botanical Garden “Viotte”, Trento, IT, 2011].
51. *Chondrilla juncea* L.* [The Botanical Garden of Bonn University, DE, 2003].
52. *Chrysanthemum macrophyllum* Waldst et Kit. [Botanic Garden of Nantes, FR, 2005].
53. *Cirsium acaule* (L.) Scop. ssp. *acaule** [Bagatelle Park. The Botanical Garden of Paris, FR, 2011].
54. *Cirsium purpuratum* (Maxim.) Matsum.* [The Kyoto Botanical Garden, JP, 2012].
55. *Cynara scolymus* L.* [Botanical Garden of the Medical University of Gdansk, PL, 2009].
56. *Echinacea pallida* Nutt* [Botanical Garden of the Technical University Braunschweig, DE, 2007].
57. *Echinops niveus* Wall. [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].
58. *Echinopartum horridum* (Vahl) Rothm [Botanical Garden of the University Vienna, AT, 2002].
59. *Erigeron atticus* Vill.* [The Botanical Garden of the University of Regensburg, DE, 2012].
60. *Erigeron compositus* Pursh* [G. Pociūlienė. Private collection, Pakalniškiai, Radviliškis district, LT, 2010].
61. *Erigeron epiroticus* (Vierh.) Halácsy* [The Munich Botanical Garden, Nymphenburg, DE, (Bosnia and Herzegovina, 1850 m), 2010].
62. *Erigeron flettii* G. N. Jones* [Botanical Garden of the University of Tartu, EE, 2008].
63. *Erigeron speciosus* (Lindl.) DC.* [National Botanic Garden of Belgium, Meise, BE, 2002].
64. *Eriophyllum lanatum* (Pursh) J. Forbes [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2002].
65. *Eupatorium cannabinum* L.* [“Anastasiu Fătu” Botanic Garden, “Alexandru Ioan Cuza” University of Iasi, RO, 2009].
66. *Haplopappus croceus* A. Gray* [The Botanical Garden of Bonn University, DE, 2005].
67. *Helichrysum compactum* Boiss. [Botanical Garden University Innsbruck, AT, 2004].
68. *Helichrysum montanum* DC.* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2010].
69. *Heterotheca pumila* (Greene) Semple* [Prague Botanical Garden Czech Republic, CZ, 2009].
70. *Hieracium pilosella* L.* [The Botanical Garden of the University of Latvia, Riga, LV, 2008].
71. *Hieracium tomentosum* L.* [The Botanical Garden of Graz, Institute for Plant science, Karl-Franzens-University Graz, AT, (1996: Italien; Aosta, Cogne, Val Grauson, 2300 m), 2010].
72. *Hieracium villosum* Jacq. [Botanic Garden of Nantes, FR, 2005].
73. *Hymenoxys hoopesii* (A. Gray) Bierner [Botanical Garden of the University of Tartu, EE, 2011].
74. *Inula acaulis* var. *caulescens* Nab.* [Gothenburg Botanical Garden, SE, 2011].
75. *Inula helenium* L.* [Botanic Garden of Šiauliai University, LT. No data available of their origin].
76. *Inula hirta* L. [Arboretum and Institute of Physiography in Bolestraszyce, PL, 2005].
77. *Inula magnifica* Lipsky* [Botanic Garden of Petrozavodsk State University, RU, 2004].
78. *Inula royleana* DC.* [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].
79. *Jurinea mollis* Rchb.* [The Munich Botanical Garden, Nymphenburg, DE, 2013].
80. *Leibnitzia anandria* (L.) Nakai* [Botanical Garden-Institute Vladivostok, RU, 2010].
81. *Leontopodium alpinum* Colm. ex Cass.* [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].
82. *Leontopodium ochroleucum* Beauverd [Reykjavik Botanical Garden, IS, (Tajikistan: Pamir Mts., Murgab, 3400 m), 2011].
83. *Leontopodium wilsonii* Beauverd* [The Botanical Garden of the University of Regensburg, DE, 2004].
84. *Leuzea rhapontica* (L.) J. Holub [The Alpine Botanical Garden “Rezia”, Bormio, IT, 2010].
85. *Ligularia alatipes* Hand.-Mazz. [Reykjavik Botanical Garden, IS, (China: Yunnan, Lijiang, Yulon Shan, Xie Ren Ji valley, above Mu Zhou Go (CLD 1189), 3300 m), 2011].

86. *Ligularia wilsoniana* (Hemsl.) Greenm.* [The Botanical Garden of the University of Regensburg, DE, 2011].
87. *Madia elegans* D. Don ex Lindl.* [Botanic Garden of Rennes, FR, 2014].
88. *Ptilostemon hispanicus* (Lam.) Greuter* [Alpine Botanical Garden of Lautaret, FR, (Sierra Nevada (Espagne), 1900 m), 2011].
89. *Pulicaria dysenterica* (L.) Bernh.* [Institute of Ecology and Botany Hungarian Academy of Sciences Botanical Garden, Vacratot, HU, 2002].
90. *Rhaponticum carthamoides* (Willd.) Iljin. [Botanical Garden of Klaipėda University, LT, 2003].
91. *Rhaponticum scariosum* Lam. ssp. *bickelli* (Gugler) Pign. [The Alpine Botanical Garden “Viotte”, Trento, IT, 2011].
92. *Rudbeckia flava* Greene [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].
93. *Scorzonera hispanica* L.* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2011].
94. *Senecio abrotanifolius* L. [University of Salzburg Departement of Organismic Biology Study Group Botanical Garden, AT, (University of Tromso, NO), 2010].
95. *Senecio herreianus* Dinter* [Royal Rotterdam Zoological and Botanical Garden, NL, 2004].
96. *Solidago virgaurea* L. [The Botanic Garden of the University of Oulu, FI, (Norway, Trs, Storfjord, Moalkejavri (69° 05'N, 20°42'E, 550 m), 10.9.03BG), 2004].
97. *Tanacetum corymbosum* L.Sch.Bip.[Botanic Garden of Petrozavodsk State University, RU, 2004].
98. *Telekia speciosa* (Schreb.) Baumg.* [National Botanic Garden of Belgium, Meise, BE, 2008].
99. *Townsendia parryi* D. C. Eaton [Kovacs Pal Rock Garden, Dorog, HU, 2010].
100. *Turczaninowia fastigiata* (Fisch.) DC.* [Botanical Garden Institute Vladivostok, RU, 2005].

BERBERIDACEAE Juss.

101. *Podophyllum hexandrum* Royle [The Alpine Botanical Garden “Viotte”, Trento, IT, 2008].

BIGNONIACEAE Juss.

102. *Incarvillea compacta* Maxim.* [The Botanical Garden Aarhus, DK, 2006].
103. *Incarvillea olgae* Regel* [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].

BORAGINACEAE Juss.

104. *Cynoglossum germanicum* Jcq.* [Botanic Garden of University of Konstanz, DE, 2015].
105. *Eritrichium canum* (Bentham) Kitam.* [The Munich Botanical Garden, Nymphenburg, DE, 2005].
106. *Lindelofia anchusoides* (Lindl.) Lehm.* [National Botanic Garden of Belgium, Meise, BE, 2002].
107. *Lindelofia macrostyla* (Bunge) Popov.* [The Botanical Garden of Lyon, FR, 2002].
108. *Onosma alborosea* Fisch. et C. A. Mey. [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2009].
109. *Onosma taurica* Wild. [Botanic Garden of the Philipp University of Marburg, DE, 2011].
110. *Solenanthus apenninus* (L.) Fischer et Meyer [The Munich Botanical Garden, Nymphenburg, DE, 2005].

BRASSICACEAE Burnett.

111. *Aethionema edentulum* N. Busch [Tbilisi Botanical Garden of Georgian Academy of Sciences, GE, 2005].
112. *Alyssoides utriculata* (L.) Medik. [The Botanical Garden of Bonn University, DE, 2003].
113. *Alyssum altaicum* C. A. Mey. [Botanical Garden of Maria Curie-Skłodowska University, Lublin, PL, 2004].
114. *Alyssum ovirense* Kerner.* [The Alpine Botanical Garden “Rezia”, Bormio, IT, 2004].
115. *Alyssum propinquum* Baumg.* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2009].
116. *Alyssum wulfenianum* Bernh. [Botanical Garden of Maria Curie-Skłodowska University, Lublin, PL, 2003].
117. *Arabidopsis suecica* (Fr.) Norrl.* [Helsinki University Botanic Garden, FI, 2013].
118. *Arabis bryoides* Boiss.* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2011].
119. *Arabis purpurea* Sm. [Kovacs Pal Rock Garden, Dorog, HU, 2009].
120. *Arabis turrita* L.* [Botanical garden of the university Vienna, AT, 2013].
121. *Aubrieta parviflora* Boiss.* [Kovacs Pal Rock Garden, Dorog, HU, 2013].
122. *Bunias orientalis* L.* [The Botanical Garden of the University of Latvia, Riga, LV, 2006].
123. *Cochlearia officinalis* L.* [The Botanical Garden of Besancon, FR, 2013].
124. *Conringia orientalis* (L.) Dumort.* [The Botanic Garden of the Georg-August-University, Goettingen, DE, 2015].
125. *Crambe abyssinica* Hochst. ex R. E. Fr.* [Botanical Garden Faculty of Science Palacky University Olomouc, CZ, 2005].
126. *Draba aspera* Bertoloni* [Botanical Garden of the University of Tartu, EE, 2004].
127. *Draba oligosperma* Hook.* [The Munich Botanical Garden, Nymphenburg, DE, 2010].
128. *Draba sachalinensis* Trautv.* [Botanical Garden of the Ruhr University Bochum, DE, 2005].

129. *Draba sakuraii* Makino* [Botanical Garden University of Oslo, NO, 2005].
130. *Iberis amara* L.* [Botanical Garden of the University of Zurich, CH, 2015].
131. *Iberis sempervirens* L.* [The Botanical Garden of the University of Latvia, Riga, LV, 2000].
132. *Isatis tinctoria* L. [National Botanic Garden of Belgium, Meise, BE, 2003].
133. *Lesquerella arctica* (Wormsk. ex Hornem.) S. Watson [Kovacs Pal Rock Garden, Dorog, HU, 2011].
134. *Neslia paniculata* (L.) Desv.* [The Botanical Garden of the University of Ulm, DE, 2015].
135. *Phoenicaulis cheiranthoides* Nutt.* [The Munich Botanical Garden, Nymphenburg, DE, 2010].
136. *Physaria eburniflora* Rollins [Botanical Garden University Innsbruck, AT, 2010].
137. *Ptilotrichum spinosum* (L.) Boiss.* [The Alpine Botanical Garden "Paradisia", IT, 2005].
138. *Rorippa palustris* (L.) Besse* [Botanical Garden of University of Oldenburg, DE, 2015].

CAMPANULACEAE Juss.

139. *Adenophora lilifolia* (L.) A. DC. [Prague Botanical Garden, CZ, 2011].
140. *Adenophora peresküfolia* (Roemer et Schultz) G. Don* [The Greifswald Botanic Garden and Arboretum, DE, 2009].
141. *Campanula alliariifolia* Willd.* [Prague Botanical Garden, CZ, 2012].
142. *Campanula collina* Sims [Reykjavik Botanical Garden, IS, (HB Nancy FRA, 1989), 2009].
143. *Campanula persicifolia* L. [Institute of Ecology and Botany Hungarian Academy of Sciences Botanical Garden, Vacratot, HU, 2004].
144. *Campanula sarmatica* Ker Gawl. [The Botanical Garden of the University of Tübingen, DE, 2003].
145. *Campanula sibirica* L. [Arboretum and Institute of Physiography in Bolestraszyce, PL, 2004].
146. *Codonopsis bhutanica* Ludlow.* [The Botanical Garden of the University of Regensburg, DE, 2010].
147. *Codonopsis clematidea* C. B. Clarke* [Salaspils National Botanical Garden, LV, 2001].
148. *Codonopsis ovata* Benth. [Botanical Garden of the Voroneszh State University B. M. Kozo-Poljanskii, RU, 2006].
149. *Codonopsis tangshen* Oliv. [Botanical Garden of the University of Potsdam, DE, 2006].
150. *Edraianthus dalmaticus* (A. DC.) A. DC. [Botanical Garden of the Carinthian Botanic Center, Klagenfurt, AT, 2009].
151. *Edraianthus tenuifolius* 'Albus'* [Botanical Garden University Innsbruck, AT, 2012].
152. *Jasione heldreichii* Boiss. et Oroph.* [Botanic Garden of Nantes, FR, 2002].
153. *Jasione pyrenaica* Sennen [The Botanical Garden of Graz, Institute for Plant science, Karl-Franzens-University Graz, AT, 2005].
154. *Legousia falcate* (Ten.) Fritsch.* [Botanic Garden of University of Konstanz, DE, 2015].
155. *Phyteuma charmelii* Vill. [Botanical Garden of the University of Potsdam, DE, 2006].
156. *Symphyandra zangezura* Lipsky* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2007].

CANNABACEAE Endl.

157. *Cannabis sativa* L.* [Botanic Garden of Šiauliai University, LT. No data available of their origin].

CAPRIFOLIACEAE Juss.

158. *Triosteum himalayanicum* Wall.* [University of Salzburg Department of Organismic Biology Study Group Botanical Garden, AT, 2009].
159. *Triosteum pinnatifidum* Maxim.* [University of Turku Botanic Garden, FI, 2004].

CARYOPHYLLACEAE Juss.

160. *Agrostemma githago* L.* [Botanical Garden, Faculty of Science, Palacky University in Olomouc, CZ, 2006].
161. *Arenaria armeniaca* Boiss.* [K. Vyšniauskas. Private collection, Raseiniai, LT, 2003].
162. *Arenaria gypsophiloides* L. var. *glabra* Fenzl [Botanic Garden of the Philipp University of Marburg, DE, 2003].
163. *Arenaria kingii* Jones [Botanical Garden University of Oslo, NO, 2004].
164. *Arenaria polaris* Schischk. [The Botanical Garden Bielefeld, DE, 2010].
165. *Arenaria procera* Spreng. ssp. *glabra* (F. N. Williams) Holub* [The Botanical Garden of the University of Latvia, Riga, LV, 2003].
166. *Cerastium alpinum* L. var. *lanatum* (Lam.) Hegetschw. [G. Pociūlienė. Private collection, Pakalniškiai, Radviliškis district, LT, 2013].
167. *Dianthus alpinus* L. 'Weiss' [Experimental Station of Field Floriculture, LT, 2005].
168. *Dianthus gratianopolitanus* Vill. 'Carmineus' [Botanical Garden of the University of Tartu, EE, 2007].
169. *Dianthus haematocalyx* Boiss. et Heldr. ssp. *pindicola* (Vierh.) Hayek* [The Botanical Garden of the University of Tübingen, DE, 2010].
170. *Dianthus monspessulanus* L.* [Botanical Garden Hanbury at Ventimiglia, IT, (Valle di Palombaro-Palombaro (CH), 1940 m), 2005].

171. *Dianthus nitidus* Waldst. et Kit.* [Botanical Garden of Maria Curie-Skłodowska University, Lublin, PL, 2003].
172. *Dianthus praecox* Willd. et Spreng. [Botanical Garden of P. J. Šafárik University, Košice, SK, 2010].
173. *Dianthus ruprechtii* Schischk. [Botanical Garden of Pyatigorsk State Pharmaceutical Academy, RU, 2004].
174. *Dianthus sternbergii* Sieber [Austrian Horticultural Society, Graz, AT, 2004].
175. *Dianthus tianshanicus* Schischk.* [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2004].
176. *Dianthus turkestanicus* Preobr.* [Botanical Garden Grugapark Essen, DE, 2008].
177. *Dianthus tymphresteus* Heldr. et Sartori [Botanical Garden Teplice, CZ, 2012].
178. *Dianthus webbianus* Parl. ex Vis. var. *alpinus* Boiss.* [Botanic Garden of the Philipp University of Marburg, DE, (TR, West-Anatolien, Kaz-Dag, Nadelwald, 1700 m), 2009].
179. *Drypis spinosa* L. [Utrecht University Botanic Garden, AN, (Slovenia, Trnovski Gozd (Ternovaner Wald), Adovscina, Aufstieg von der Zavetisce Bavcerja Zum M. Gora., 1000-1200 m), 2008].
180. *Gypsophila acutifolia* Fisch. ex Spreng.* [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2014].
181. *Gypsophila repens* L.* [The Commercial Source, LT, 2004].
182. *Gypsophila scorzonrifolia* Ser.* [Institute of Ecology and Botany Hungarian Academy of Sciences Botanical Garden, Vacratot, HU, 2004].
183. *Gypsophila tenuifolia* M. Bieb.* [Botanic Garden of the Philipp University of Marburg, DE, 2009].
184. *Holosteum umbellatum* L.* [Botanical Garden of the University Vienna, AT, 2013].
185. *Lychnis alpina* L.* [Botanical Garden University of Oslo, NO, 2003].
186. *Lychnis flos-jovis* (L.) Desr.* [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2011].
187. *Lychnis yunnanensis* Baker f. [Nancy Botanical Garden, FR, 2011].
188. *Minuartia doerfleri* Hayek* [Botanic Garden of the University of Copenhagen, DK, (Greece: Dramas, Mt Falakro, 1800-2100 m, S54429), 2004].
189. *Minuartia gerardii* (Willd.) Hayek* [The Botanical Garden of Ljubljana, SI, 2006].
190. *Minuartia krascheninnikovii* Schischk.* [The Botanical Garden of Ufa Scientific Center of Russian Academy of Sciences, RU, 2004].
191. *Minuartia langii* (Reuss) Holub.* [Botanical Garden of P. J. Šafárik University, Košice, SK, 2004].
192. *Minuartia rupestris* (Scop.) Schinz et Thell. [The Alpine Botanical Garden “Rezia”, Bormio, IT, 2004].
193. *Minuartia verna* (L.) Hiern* [Botanical Garden of the University of Tartu, EE, 2002].
194. *Petrorhagia saxifraga* (L.) Link* [National Botanic Garden of Belgium, Meise, BE, (Austria, Nieder-Österreich, between Ybbs and Persenbeug), 2001].
195. *Saponaria caespitosa* DC. [Botanical Garden of the University of Tartu, EE, 2003].
196. *Saponaria lutea* L. [The Munich Botanical Garden, Nymphenburg, DE, (Italy, Vallone urtier, Alpe Manda, 2400 m), 2004].
197. *Saponaria officinalis* L.* [“Anastasiu Fătu” Botanic Garden, “Alexandru Ioan Cuza” University of Iasi, RO, 2006].
198. *Silene asterias* Griseb.* [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2011].
199. *Silene caucasica* (Bunge) Boiss.* [The Alpine Botanical Garden “Chanousia”, IT, 2004].
200. *Silene chlorantha* (Willd.) Ehrh.* [Botanic Garden of Johannes Gutenberg University Mainz, DE, 2004].
201. *Silene cintrana* Rothm. [Tropical Botanical Garden, Lisboa, PT, 2004].
202. *Silene coeli-rosa* (L.) Godr.* [The Ecological-Botanical Gardens of the University of Bayreuth, DE, 2015].
203. *Silene nutans* L.* [The Botanical Garden of Graz, Institute for Plant Science, Karl-Franzens-University Graz, AT, 2012].
204. *Silene quadridentata* (L.) Pers.* [The Botanic Garden of the University of Padua, IT, (Monte Favergheira, Belluno (BL), 1500 m), 2004].
205. *Silene vulgaris* (Moench) Garcke* (<http://www.theplantlist.org>), [(*Silene zawadskii* Fenzl), The Munich Botanical Garden, Nymphenburg, DE, 2004].
206. *Viscaria vulgaris* Bernh. [Botanical Garden of the Medical University of Gdansk, PL, 2009].

CHENOPODIACEAE Vent.

207. *Atriplex hortensis* L. ‘Rubra’* [Botanic Garden of the University of Copenhagen, DK, 2002].
208. *Atriplex tornabenei* Tineo* [Vilnius University Botanical Garden, LT, 2004].
209. *Chenopodium bonus – henricus* L.* [Institute of Botany of the Nature Research Centre, Vilnius, LT, 2002].
210. *Chenopodium schraderianum* Schult.* [Institute of Botany of the Nature Research Centre, Vilnius, LT, 2002].

CISTACEAE Juss.

211. *Helianthemum alpestre* (Jacq.) DC. [The Botanic Garden of the Georg-August-University, Goettingen, DE, 2005].
212. *Helianthemum grandiflorum* (Scop.) DC.* [Botanical Garden of Leipzig University, DE, 2012].
213. *Helianthemum lippii* Pers. [Vilnius University Botanical Garden, LT, 2005].

214. *Helianthemum nummularium* (L.) Mill* [University of Salzburg Departement of Organismic Biology Study Group Botanical Garden, AT, (University of Tromso, NO), 2006].
215. *Helianthemum oelandicum* (L.) DC. ssp. *alpestre* (Jacq.) Breistr.* [The Botanical Garden of the University of Tübingen, DE, 2003].
216. *Helianthemum pilosum* (L.) Pers. [Kovacs Pal Rock Garden, Dorog, HU, 2008].
217. *Helianthemum scardicum** [Kovacs Pal Rock Garden, Dorog, HU, 2008].

CONVOLVULACEAE Juss.

218. *Ipomoea purpurea* (L.) Roth.* [The Botanical Garden of the University of Ulm, DE, 2015].
219. *Ipomoea purpurea* (L.) Roth. 'Dark Purple'* [The Ecological-Botanical Gardens of the University of Bayreuth, DE, 2015].

CRASSULACEAE DC.

220. *Sedum stenopetalum* Purch [The Botanical Garden of the University of Tübingen, DE, 2003].

DIPSACACEAE Juss.

221. *Dipsacus fullonum* L.* [Botanic Garden of Rostock University, DE, 2013].
222. *Knautia godetii* Reut.* [Botanical Garden of the University of Zurich, CH, 2012].
223. *Knautia macedonica* Griseb.* [Botanical Garden of the University of Tartu, EE, 2000].
224. *Morina longifolia* Wall. [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2002].
225. *Scabiosa columbaria* L.* [Botanical Garden of Friedrich Schiller University of Jena, DE, 2012].
226. *Scabiosa georgica* Sulak. [University of Alberta Devonian Botanic Garden, CA, 2012].
227. *Scabiosa* 'Nana'* [Arboretum "Dimzas", LV, 2013].

ERICACEAE Juss.

228. *Bruckenthalia spiculifolia* (Salisb.) Reichenb.* [The Botanical Garden of the University of Tübingen, DE, 2003].
229. *Gaultheria mucronata* (L. f.) Hook. et Arn.* [National Botanic Garden, Glasnevin, IE, 2003].
230. *Ledum groenlandicum* Oeder* [Tallinn Botanic Garden, EE, 2004].
231. *Rhododendron canadense* (L.) Torr.* [Rhododendron nursery Babite University of Latvia, LV, 2003].
232. *Rhododendron catawbiense* Michx.* [Salaspils National Botanical Garden, LV, 2002].
233. *Rhododendron luteum* (L.) Sweet* [Rhododendron nursery Babite University of Latvia, LV, 2002].
234. *Rhododendron minus* Michx. var. *album** [Rhododendron nursery Babite University of Latvia, LV, 2003].
235. *Rhododendron mucronulatum* Turcz.* [Rhododendron nursery Babite University of Latvia, LV, 2003].
236. *Rhododendron smirnowii* Trautv.* [Tallinn Botanic Garden, EE, 2003].
237. *Rhododendron viscosum* (L.) Torr.* [Rhododendron nursery Babite University of Latvia, LV, 2003].
238. *Rhododendron yedoense* Maxim. var. *poukhanense* Nakai* (Cullen, 2005), [(*Rhododendron poukhanense*) Botanical Garden-Institute Vladivostok, RU, 2004].

FABACEAE Lindl.

239. *Anthyllis coccinea* (L.) Beck [Collector V. Motiekaitytė, LT, 2006].
240. *Anthyllis macrocephala* Wend. [Botanic Garden of Ivan Franko National University of Lviv, UA, 2000].
241. *Anthyllis montana* L. [Pisa Botanic Garden and Museum, IT, 2002].
242. *Anthyllis montana* L. ssp. *carminea** [The Botanical Garden La Jaÿsinia, Samoëns, FR, 2012].
243. *Astragalus adsurgens* Pall.* [Botanical garden of Ernst-Moritz-Arndt University Greifswald, DE, 2004].
244. *Baptisia australis* (L.) R. Br.* [Traupio Botanical Garden, LT, 2001].
245. *Cytisus emeriflorus* Rchb.* [Alpine Botanical Garden of Lautaret, FR, 2005].
246. *Dorycnium pentaphyllum* Scop. ssp. *pentaphyllum* [Utrecht University Botanic Garden, NL, 2012].
247. *Genista sagittalis* L. [Salaspils National Botanical Garden, LV, 2006].
248. *Glycyrrhiza echinata* L.* [Botanic Gardens and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2004].
249. *Glycyrrhiza uralensis* Fisch.* [Central Botanical Garden of National Academia Science of Belarus, Minsk, BY, 2004].
250. *Lathyrus pisiformis* L. [Vilnius University Botanical Garden, LT, 2001].
251. *Onobrychis montana* DC.* [Botanical Garden of P. J. Šafárik University, Košice, SK, 2010].
252. *Onobrychis petraea* (Willd.) Fisch.* [Botanical Garden of Pyatigorsk State Pharmaceutical Academy, RU, 2004].
253. *Oxytropis todomoshiriensis* Miyabe et Miyake [Botanical Garden University Innsbruck, AT, 2011].
254. *Thermopsis lupinoides* (L.) Link* [Russian Academy of Sciences far East Branch Sakhalin Botanical Garden, RU, 2004].
255. *Trifolium trichocephalum* M. Bieb. [Botanical Garden of the University of Tartu, EE, 2004].
256. *Vicia unijuga* A. Br.* [The Botanical Garden of Bonn University, DE, 2004].

GENTIANACEAE Juss.

257. *Gentiana asclepiadea* L.* [Botanical Garden Rennsteiggarten Oberhof, DE, 2011].
258. *Gentiana asclepiadea* L. 'Alba' [Botanical Garden Rennsteiggarten Oberhof, DE, 2011].
259. *Gentiana asclepiadea* L. 'Rosea' [Austrian Horticultural Society, National Group Styria, Graz, AT, 2011].
260. *Gentiana burseri* Lapeyr. ssp. *burseri* [Botanical Garden University of Oslo, NO, 2004].
261. *Gentiana dendrologi* C. Marguand* [The Munich Botanical Garden, Nymphenburg, DE, 2004].
262. *Gentiana freyniana* Bornm. ex Freyn* [Botanical Garden University of Oslo, NO, 2003].
263. *Gentiana lutea* L. [The Botanical Garden of the University of Regensburg, DE, 2004].
264. *Gentiana olivieri* Griseb.* [Botanical Garden of Friedrich Schiller University of Jena, DE, 2011].
265. *Gentiana puberulenta* J. S. Pringle* [University of Alberta Devonian Botanic Garden, CA, 2004].
266. *Gentiana septemfida* Pall. [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].
267. *Gentiana straminea* Maxim* [The Alpine Botanical Garden "Paradisio", IT, 2007].
268. *Gentiana tianschanica* Rupr.* [The Botanical Garden of the University of Regensburg, DE, 2004].
269. *Gentiana tibetica* King. ex Hook. f.* [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2010].

GERANIACEAE Juss.

270. *Geranium bohemicum* L.* [Botanic Garden of the Philipp University of Marburg, DE, 2011].
271. *Geranium ibericum* Cav. [The Botanical Garden of the University of Ulm, DE, 2008].
272. *Geranium psilostemon* Ledeb.* [The Munich Botanical Garden, Nymphenburg, DE, (Georgia, Ratscha, above M'Tiscalta, 42 °29' 36"N 43 °21' 55" E, 1960 m), 2009].
273. *Geranium saxatile* Kar. et Kir. [The Polar Alpine Botanical Gardens, Kirovsk, RU, 2004].
274. *Geranium thunbergii* Siebold ex Lindl. et Paxton* [RHS Garden Wisley, UK, 2008].

GLOBULARIACEAE DC.

275. *Globularia incanescens* Viv. [The Botanical Garden of the University of Regensburg, DE, (I, Alpi Apuane, nordwestl. Von Monte Pelato, BG Firenze, 950713), 2009].
276. *Globularia punctata* Lapeyr. [Salaspils National Botanical Garden, LV, 2003].
277. *Globularia trichosantha* Fischer et G. A. Mey [Vilnius University Botanical Garden, LT, 2007].

HYDROPHYLLACEAE R. Br.

278. *Hydrophyllum virginianum* L.* [The Botanical Garden of Krefeld, DE, 2006].

HYPERICACEAE Juss.

279. *Hypericum orientale* L.* [Vilnius University Botanical Garden, LT, 2007].

LAMIACEAE Lindl.

280. *Acinos alpinus* (L.) Moench* [Botanical Garden of Maria Curie-Skłodowska University, Lublin, PL, 2004].
281. *Betonica officinalis* L.* [The Trieste Municipal Botanic Garden, IT, 2010].
282. *Dracocephalum argunense* Fisch. ex Link* [Botanical Garden University of Oslo, NO, 2007].
283. *Dracocephalum botryoides* Steven [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2011].
284. *Dracocephalum imberbe* Bunge* [Reykjavik Botanical Garden, IS, 2010].
285. *Dracocephalum renati* Emb.* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2011].
286. *Dracocephalum tanguticum* Maxim.* [The Alpine Botanical Garden "Rezia", Bormio, IT, 2009].
287. *Dracocephalum wendelboi* Hedge* [Reykjavik Botanical Garden, IS, 2012].
288. *Horminum pyrenaicum* L.* [Salaspils National Botanical Garden, LV, 2001].
289. *Marrubium velutinum* Sm.* [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2004].
290. *Nepeta grandiflora* M. Bieb.* [The Botanical Garden of the University of Ulm, DE, 2004].
291. *Nepeta sibirica* L.* [Botanic Garden of Petrozavodsk State University, RU, 2003].
292. *Nepeta wilsonii* Duthie* [Prague Botanical Garden, CZ, 2012].
293. *Phlomis samia* L. [The Botanical Garden of the Heinrich-Heine University, Dusseldorf, DE, 2004].
294. *Salvia aethiopsis* L.* [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2004].
295. *Salvia argentea* L. [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2004].
296. *Salvia austriaca* Jacq.* [The Botanic Garden of the University of Oulu, FI, 2013].
297. *Salvia judaica* Boiss.* [The Alpine Botanical Garden "Rezia", Bormio, IT, 2015].
298. *Salvia jurisicii* Kosanin* [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2003].
299. *Salvia verticillata* L. [The Trieste Municipal Botanic Garden, IT, 2003].
300. *Scutellaria altissima* L.* [National Botanic Garden of Belgium, Meise, BE, 2004].
301. *Scutellaria rubicunda* Hornem.* [Botanical Garden of Amsterdam University, NL, 2004].
302. *Scutellaria woronowii* Juz. [Botanic Garden of Nantes, FR, 2005].

303. *Sideritis glacialis* Boiss.* [The Botanical Garden Aarhus, DK, 2004].
 304. *Sideritis hyssopifolia* L.* [The Alpine Botanical Garden “Viotte”, Trento, IT, 2004].
 305. *Stachys macrantha* (K.Koch) Stearn ‘Rosea’* [National Botanic Garden, Glasnevin, IE, 2004].
 306. *Teucrium botrys* L.* [Botanic Garden of Technical University Dresden, DE, 2014].
 307. *Thymus praecox* Opiz ssp. *arcticus* (Durand) Jalas* [Reykjavik Botanical Garden, IS (W-Iceland: Hvalfjörður, Flekkudalur, 64°18' N 21° 34' W), 2011].

LINACEAE DC. ex Gray

308. *Linum altaicum* Ledeb. ex Juz.* [The Botanical Garden of Bonn University, DE, 2003].
 309. *Linum campanulatum* L.* [The Botanical Garden of the University of Münster, DE, 2008].
 310. *Linum extraaxillare* Kit.* [Botanical Garden of P. J. Šafarik University, Košice, SK, 2004].

LOASACEAE Spreng.

311. *Blumenbachia insignis* Schrad.* [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2003].
 312. *Loasa tricolor* Ker Gawl.* [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2015].

MALVACEAE Juss.

313. *Abroma augustum* (L.) L.* [Botanical Garden of Friedrich Schiller University of Jena, DE, 2015].
 314. *Alcea ficifolia* L.* [The Alpine Botanic Garden of Pietra Corva, Milan, IT, 2013].
 315. *Alcea rosea* L.* [The Botanical Garden of Besançon, FR, 2006].
 316. *Alcea rosea* L. var. *alba** [The Alpine Botanic Garden of Pietra Corva, Milan, IT, 2013].
 317. *Althaea cannabina* L.* [The Botanical Garden of the University of Latvia, Riga, LV, 2009].
 318. *Althaea officinalis* L.* [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2008].
 319. *Hibiscus trionum* L.* [Botanic Garden of University of Konstanz, DE, 2015].
 320. *Kitaibela vitifolia* Willd.* [Botanical Garden of Amsterdam University, NL, 2004].
 321. *Lavatera thuringiaca* L.* [Experimental Station of Field Floriculture, LT, 2003].
 322. *Malva alcea* L.* [The Botanical Garden of St. Triphon, CH, 2009].
 323. *Malva trimestris* (L.) Kuntze* [Botanic Garden of Technical University Dresden, DE, 2014].
 324. *Sida hermaphrodita* (L.) Rusby* [Botanic Garden of Warsaw University, PL, 2012].
 325. *Sida napaea* Cav.* [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].

NOLANACEAE Dum.

326. *Nolana paradoxa* Dick Culbert* [Botanical Garden of Technical University Braunschweig, DE, 2015].

ONAGRACEAE Juss.

327. *Clarkia amoena* (Lehm.) A. Nels. et J. F. Macbr.* [Botanic Garden of Technical University Dresden, DE, 2015].
 328. *Clarkia bottae* (Spach) H. F. Lewis et M. E. Lewis* [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2015].
 329. *Clarkia pulchella* Pursh.* [Botanic Garden of Technical University Dresden, DE, 2015].
 330. *Epilobium fleischeri* Hochst.* [Botanical Garden of the University of Zurich, CH, (Switzerland, Saas Almagell VS; 2238 m), 2007].
 331. *Epilobium parviflorum* Schreb.* [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2013].
 332. *Megapterium missouriense* (Sims) Spach* [The Botanical Garden of Besançon, FR, 2013].
 333. *Oenothera minima* Pursh.* [Botanic Gardens and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2010].
 334. *Oenothera missouriensis* Sims* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2012].

PAEONIACEAE F. Rudolphi

335. *Paeonia mascula* (L.) Mill. ssp. *arietina* Heywood [Botanical Garden University Innsbruck, AT, (W/TR-NO-1950 m), 2010].
 336. *Paeonia mlokosewitschii* Lomakin [Botanic Garden of Nantes, FR, 2007].
 337. *Paeonia rockii* (S. G. Haw et Lauener) T. Hong et J. J. Li ex D. Y. Hong [The Botanical Garden of Ljubljana, SI, 2007].
 338. *Paeonia tomentosa* (Lomakin) N.Busch [Botanic Garden of Nantes, FR, 2011].

PAPAVERACEAE Juss.

339. *Argemone mexicana* L.* [The Ecological-Botanical Gardens of the University of Bayreuth, DE, 2004].
 340. *Glaucium flavum* Crantz* [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].

341. *Meconopsis cambrica* (L.) Vig. [Botanic Garden of Nantes, FR, 2002].
 342. *Papaver bracteatum* Lindl. [The Botanical Garden of the University of Regensburg, DE, 2004].
 343. *Papaver nudicaule* L.* [Botanic Garden of Rennes, FR, 2011].
 344. *Papaver pilosum* Sm. [Akureyri Botanical Garden, IS, 2010].
 345. *Papaver rupifragum* Boiss et Reut [Botanical Garden of the University of Zurich, CH, 2014].

PASSIFLORACEAE Juss. ex Roussel

346. *Passiflora adenopoda* DC.* [Tropical Botanical Garden, Lisboa, PT, 2011].

PLUMBAGINACEAE Juss.

347. *Armeria canescens* Boiss. ssp. *nebrodensis* (Guss.) P. Silva [Institute of Ecology and Botany Hungarian Academy of Sciences Botanical Garden, Vacratot, HU, 2005].
 348. *Armeria labradorica* Wallr. [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2003].
 349. *Armeria maritima* (Mill.) Willd.* [The Alpine Botanical Garden "Rezia", Bormio, IT, 2014].
 350. *Armeria maritima* (Mill.) Willd. 'Alba'* [Botanical Garden "Ceplez" Milan, IT, 2008].
 351. *Armeria pseudarmeria* (Murray) Mansf.* [Botanic Garden and Botanical Museum Berlin-Dahlem, DE, 2009].
 352. *Armeria sibirica* Turcz. ex Boiss. [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2003].
 353. *Armeria splendens* (Lagasca et Rodr.) Webb. [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2008].

POLEMONIACEAE Juss.

354. *Linanthus liniflorus* (Benth.) Greene* [The Botanical Garden of the Heinrich-Heine University, Dusseldorf, DE, 2007].
 355. *Phlomis macrophylla* Benth.* [Prague Botanical Garden, CZ, 2012].

POLYGONACEAE Juss.

356. *Fagopyrum esculentum* Moench 'Narimskaja Mestnaja'* [Siberian Botanical Garden of Tomsk State University, RU, 2012].
 357. *Fagopyrum esculentum* Moench 'Vokiai'* [Vilnius University Botanical Garden, LT, 2006].
 358. *Rheum compactum* L.* [Akureyri Botanical Garden, IS, 2012].
 359. *Rheum rhaponticum* L. 'Altaiskie Zori'* [Siberian Botanical Garden of Tomsk State University, RU, 2012].
 360. *Rumex conglomerathus* Murray [The Botanical Garden of the University of Münster, DE, 2003].
 361. *Rumex thianshanicus* Losinsk. [The Botanical Garden of Bonn University, DE, 2004].

PRIMULACEAE Vent.

362. *Androsace albana* Steven.* [Alpine Botanical Garden of Lautaret, FR, 2007].
 363. *Primula edelbergii* Schwarz [Botanical Garden of Clermont-Ferrand, FR, 2009].
 364. *Primula elatior* Hill [Botanical Gardens of Clermont-Ferrand, FR, 2009].
 365. *Primula pallasii* Lehm. [Botanic Garden of Petrozavodsk State University, RU, 2004].
 366. *Primula veris* L.* [The Botanical Garden of the University of Latvia, Riga, LV, 2009].

RANUNCULACEAE Juss.

367. *Aconitum barbatum* Patrin ex Pers.* [Botanical Garden of the Carinthian Botanic Center, Klagenfurt, AT, 2006].
 368. *Aconitum decipiens* Vorosch. et Anfalov [The Botanical Garden of the University of Regensburg, DE, 2011].
 369. *Aconitum fischeri* Reichenb [The Botanical Garden of the University of Regensburg, DE, 2001].
 370. *Aconitum lycoctonum* L.* (<http://www.theplantlist.org>), [*Aconitum lupicida* Rchb. Universitat The Botanical Garden of Graz, Institute for Plant Science, Karl-Franzens-University Graz, AT, (Italien, N-Seite des Jof di Montasio, 1578 m), 2006].
 371. *Aconitum moldavicum* Hacq. [The Botanical Garden of University of Debrecen, HU, 2005].
 372. *Aconitum napellus* L. 'Kleiner Ritter' [The Ecological - Botanical Garden of the University of Bayreuth, DE, 2011].
 373. *Aconitum tanguticum* (Maxim.) Stapf [Göteborg Botanical Garden, SE, 2007].
 374. *Aconitum vulparia* Rchb. [Botanic Garden and Arboretum Mendel University of Agriculture and forestry Brno, CZ, 2006].
 375. *Actaea rubra* (Ait.) Willd.* [Salaspils National Botanical Garden, LV, 2002].
 376. *Anemone altaica* Fisch. ex C. A. Mey. [Botanic Garden of the Comenius University, Bratislava, SK, 2004].
 377. *Anemone demissa* Hook. f. et Thomson* [The Botanical Garden of Bonn University, DE, 2010].
 378. *Anemone leveillei* Ulbr. [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].

379. *Anemone nemorosa* L. [Experimental Station of Field Floriculture, LT, 2003]
380. *Anemone rupicola* Cambess. ex Jacquem. [Collector A. Grišaitė, (The Botanical Garden of Schellerhau, DE), 2011].
381. *Aquilegia canadensis* L. [Botanical Garden of Leipzig University, DE, 2012].
382. *Aquilegia flabellata* Sieb. et Zucc. ‘Alba’* [Institute of Botany Academy of Sciences of the Czech Republic, Pruhonice, CZ, 2005].
383. *Aquilegia olympica* Boiss. [Botanical Garden of the Carinthian Botanic Center, Klagenfurt, AT, 2010].
384. *Aquilegia skinneri* Hook.* [Botanical Garden of Leipzig University, DE, 2012].
385. *Aquilegia sibirica* Lam. [Botanic Garden of the Philipp University of Marburg, DE, (Sibirien, Sayan mts., Munku Sardic, 2500 m), 2009].
386. *Aquilegia* ‘Ruby Port’* [Akureyri Botanical Garden, IS, 2013].
387. *Clematis viticella* L.* [Skinderiškis Dendrology Park, Pajieslys, Kėdainiai district, LT, 2002].
388. *Consolida ajacis* (L.) Schur [University of Ferrara Botanic Garden, IT, 2004].
389. *Delphinium cashmerianum* Royle [The Alpine Botanical Garden “Viotte”, Trento, IT, 2002].
390. *Delphinium pictum* Willd ssp. *pictum* [The Söllner Botanic Garden, ES, 2004].
391. *Delphinium pyramidatum* Albov* [The Botanical Garden of the University of Ulm, DE, 2009].
392. *Delphinium tatsienense* Franch.* [Botanical Garden University of Oslo, NO, 2003].
393. *Dodecatheon pulchellum* (Raf.) Merr. [Botanical Garden of the University of Tartu, EE, 2005].
394. *Pulsatilla albana* (Stev.) Bercht. et J. Presl* [Botanical Garden of Pyatigorsk State Pharmaceutical Academy, RU, 2004].
395. *Pulsatilla armena* Rupr.* [The Alpine Botanical Garden “Paradisja”, IT, 2005].
396. *Pulsatilla gayeri* Simonk.* [Institute of Ecology and Botany Hungarian Academy of Sciences Botanical Garden, Vacratot, HU, 2005].
397. *Pulsatilla occidentalis* (S. Wats.) Freyn [Akureyri Botanical Gardens, IS, 2011].
398. *Pulsatilla rubra* (Lam) Delarbre [Botanical Garden University of Oslo, NO, 2005].
399. *Pulsatilla styriaca* (Pritzel) Simk. [The Botanical Garden of Graz, Institute for Plant Science, Karl-Franzens-University Graz, AT, 2006].
400. *Pulsatilla vulgaris* Mill. ‘Rote Glocke’ [Arboretum “Kokaudzētava Baltezers”, LV, 2004].
401. *Pulsatilla vulgaris* Mill.* [Botanic Garden of St. Petersburg Forestry Academy, RU, 2003].
402. *Pulsatilla zimmermannii* Soo [Botanical Garden of the University of Potsdam, DE, 2006].
403. *Semiaquilegia ecalcarata* (Maxim.) Sprang. et Hut. [The Botanical Garden of the University of Tübingen, DE, 2010].
404. *Thalictrum bauhinii* Crantz.* [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].
405. *Thalictrum calabricum* Spreng.* [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].
406. *Thalictrum chelidonii* DC. [The Botanical Garden of the University of Regensburg, DE, (Alpine Garden Club of British Colombia), 2011].
407. *Thalictrum foetidum* L. [Institute of Ecology and Botany Hungarian Academy of Sciences Botanic Garden, Vacratot, HU, 2003].
408. *Thalictrum rochebrunnianum* Franch. et Sav. [The Botanical Garden of the University of Regensburg, DE, 2011].
409. *Trollius acaulis* Lindl.* [The Botanical Garden of the University of Regensburg, DE, 2006].
410. *Trollius altaicus* C. A. Mey. [The Botanical Garden of the University of Regensburg, DE, 2009].
411. *Trollius chinensis* Bunge [Botanic Garden of the Philipp University of Marburg, DE, 2009].
412. *Trollius macropetalus* F. Schmidt [Botanical Garden-Institute Vladivostok, RU, 2010].
413. *Trollius pumilus* D. Don. [The Botanical Garden of the University of Regensburg, DE, 2012].

RESEDACEAE DC. ex Gray.

414. *Reseda lutea* L.* [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2009].
415. *Reseda phyteuma* L.* [The Botanical Garden of Krefeld, DE, 2007].

ROSACEAE Juss.

416. *Acaena alpina* Poepp. ex Walp.* [Botanical Garden Teplice, CZ, 2010].
417. *Acaena novaeselandiae* Kirk* [The Botanical Garden of Bonn University, DE, 2005].
418. *Alchemilla mollis* (Buser) Rothmaler* [Experimental Station of Field Floriculture, LT, 2002].
419. *Dryas drummondii* Richardson ex Hook. [The Botanical Garden of the University of Regensburg, DE, 2002].
420. *Dryas hookeriana* Jusepc. [The Alpine Botanical Garden “Rezia”, Bormio, IT, 2008].
421. *Dryas octopetala* L. var. *vestita* Beck [Botanical Garden Rennsteiggarten Oberhof, DE, 2010].
422. *Dryas x suendermannii* Kell. ex Sunderm. [Botanic Garden Liberec, CZ, 2011].
423. *Geum rivale* L.* [Geneva City Conservatory and Botanical Garden, CH, 2009].
424. *Geum urbanum* L. [Vera Csapody Hardy Plant Society of Hungary, Budapest, HU, 2012].
425. *Horkelia fusca* Lindl. [Botanical Garden of the University of Tartu, EE, 2011].
426. *Potentilla andicola* Benth.* [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2005].

427. *Potentilla atrosanguinea* D. Don [The Alpine Botanical Garden “Saussurea”, Courmayeur, IT, 2007].
 428. *Potentilla collina* Wibel [The Botanical Garden of Krefeld, DE, 2009].
 429. *Potentilla fissa* Nutt. [The Alpine Botanical Garden “Viotte”, Trento, IT, 2004].
 430. *Potentilla norvegica* L.* [The Botanical Garden of Bonn University, DE, 2004].
 431. *Sanguisorba albiflora* (Makino) Makino [Botanical Garden, Faculty of Science, Palacky University in Olomouc, CZ, 2012].
 432. *Sanguisorba alpina* Bunge [Botanical Garden of the University of Tartu, EE, 2011].
 433. *Sanguisorba menziesii* Rydb.* [The Botanical Garden of the University of Regensburg, DE, 2012].
 434. *Sanguisorba officinalis* L.* [Botanical Garden of the University Vienna, AT, 2013].
 435. *Waldsteinia ternata* (Stephan) Fritsch* [Botanical Garden of the University of Tartu, EE, 2001].

SAXIFRAGACEAE Juss.

436. *Elmera racemosa* (S. Watson) Rydb. [Botanical Garden of the University of Tartu, EE, 2009].
 437. *Heuchera americana* L. [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2004].
 438. *Heuchera curtisii* Torr. et A. Gray* [Reykjavik Botanical Garden, IS, 2004].
 439. *Heuchera cylindrica* Douglas ex Hook. [Salaspils National Botanical Garden, LV, 2003].
 440. *Heuchera glabella* Torr. et A. Gray [Nancy Botanical Garden, FR, 2003].
 441. *Heuchera grossulariifolia* Rydb. [Botanic Garden of Šiauliai University, LT. No data available of their origin].
 442. *Mitella caulescens* Nutt.* [Institute of Ecology and Botany Hungarian Academy of Sciences Botanic Garden, Vacratot, HU, 2003].
 443. *Saxifraga australis* Moric.* [The Alpine Botanical Garden “Viotte”, Trento, IT, 2005].
 444. *Saxifraga callosa* Sm.* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2007].
 445. *Saxifraga exarata* Villars* [Alpine Botanical Garden of Lautaret, FR, 2005].
 446. *Saxifraga federici-augusti* Biasol. ssp. *grisebachii* (Degen et Dörfel.) D. A. Webb [The Botanic Garden of the Georg-August-University, Goettingen, DE, 2007].
 447. *Saxifraga hostii* Tausch [University of Oxford Botanic Garden and Harcourt Arboretum, UK, 2004].
 448. *Saxifraga rosacea* Moench [Botanical Garden University of Oslo, NO, 2003].
 449. *Saxifraga rotundifolia* L. ssp. *rotundifolia** [The Botanical Garden at the Sorgenti del Cavuto, Aniversa degli Abruzzi, IT, 2004].
 450. *Tellima grandiflora* (Pursh) Douglas ex Lindl.* [Reykjavik Botanical Garden, IS, 2012].

SCROPHULARIACEAE Juss.

451. *Calceolaria polyrhiza* Cav.* [St Andrews Botanic Garden, The Canongate, UK, 2014].
 452. *Chelone glabra* L.* [The Montreal Botanical Garden, CA, 2010].
 453. *Digitalis ferruginea* L. ssp. *schischkinii* (K. V. Ivanova) K. Werner* [Botanical Garden, Faculty of Science, Masaryk University, Brno, CZ, 2006].
 454. *Digitalis grandiflora* Mill. [Botanic Garden of University of Konstanz, DE, 2005].
 455. *Digitalis parviflora* Jacq.* [The Botanical Garden Bielefeld, DE, 2010].
 456. *Penstemon caespitosus* A. Gray* [Kovacs Pal Rock Garden, Dorog, HU, 2008].
 457. *Penstemon cardwellii* Howell* [Botanical Garden Teplice, CZ, 2010].
 458. *Penstemon eatonii* A. Gray* [RHS Garden Wisley, UK, 2011].
 459. *Penstemon gracilis* Nutt. [Institute of Ecology and Botany Hungarian Academy of Sciences Botanic Garden, Vacratot, HU, 2003].
 460. *Penstemon humilis* Nutt.* [Institute of Ecology and Botany Hungarian Academy of Sciences Botanic Garden, Vacratot, HU, 2003].
 461. *Penstemon nanus* D. D. Keck [Botanical Garden of the University of Tartu, EE, 2010].
 462. *Penstemon nitidus* Douglas* [Majella Larochele. Gatineau, CA, 2009].
 463. *Penstemon peckii* Pennell [Botanical Garden Teplice, CZ, 2009].
 464. *Penstemon procerus* Dougl. ex Graham* [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2003].
 465. *Penstemon procerus* var. *tolmiei* (Hook.) Cronq. [Akureyri Botanical Garden, IS, 2007].
 466. *Penstemon serrulatus* J. E. Smith [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2003].
 467. *Penstemon virgatus* A. Gray* [Botanical Garden Bourguignons Fenay, FR, 2012].
 468. *Penstemon wilcoxii* Rydb. [Botanical Garden of the University of Zurich, CH, 2007].
 469. *Verbascum chaixii* Vill.* [RHS Garden Wisley, UK, 2011].
 470. *Veronica armena* Boiss. et A. Huet [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2006].
 471. *Veronica fruticans* Jacq. ‘Rosea’ [Botanical Garden of the University of Tartu, EE, 2004].
 472. *Veronica fruticulosa* L. [The Botanical Garden of Krefeld, DE, 2009].

473. *Veronica gentianoides* Vahl [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2002].
 474. *Veronica gentianoides* Vahl 'Nana' [Reykjavik Botanical garden, IS, 2008].
 475. *Veronica incana* L.* [Botanic Garden of the University of Copenhagen, DK, 2003].
 476. *Veronica prostrata* L.* [Experimental Station of Field Floriculture, LT, 2005].
 477. *Veronica saturejoides* Vis.* [The Alpine Botanical Garden "Saussurea", Courmayeur, IT, 2005].
 478. *Veronica spicata* L. 'Nana' [Experimental Station of Field Floriculture, LT, 2005].
 479. *Veronica thymoides* P. H. Davis ssp. *pseudocinerea* M. A. Fisch.* [Botanical Garden University Innsbruck, AT, 2012].

SOLANACEAE Juss.

480. *Browallia americana* L.* [Alexandru Borza Cluj-Napoca University Botanic Garden, RO, 2015].
 481. *Hyoscyamus niger* L.* [Botanic Garden of Technical University Dresden, DE, 2015].
 482. *Jaltomata procumbens* (Cav.) J. L. Gentry* [Botanic Garden of Technical University Dresden, DE, 2015].
 483. *Nicotiana x sanderae* W. Watson* [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2015].
 484. *Nicotiana suaveolens* Lehm.* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry, Brno, CZ, 2014].
 485. *Nicotiana tabacum* L.* [The Botanical Garden of the University of Ulm, DE, 2005].

VERBENACEAE J. St.-Hill.

486. *Verbena officinalis* L.* [The Botanical Garden of Krefeld, DE, 2005].

LILIOPSIDA Batsch

ALLIACEAE J. Agardh

487. *Allium aflatumense* B. Fedtsch* [The Botanical Garden of the University of Tübingen, DE, 2006].
 488. *Allium aflatumense* B. Fedtsch 'Purple Sensation'* [The Commercial Source, LT, 2011].
 489. *Allium altaicum* Pall. [Ural State University Botanical Garden, Ekaterinburg, RU, 2004].
 490. *Allium ascalonicum* L.* [Botanic Garden Regensburg, DE, 2011].
 491. *Allium christophii* Trautv.* [Botanic Garden and Botanical Museum Berlin-Dahlem, DE, 2006].
 492. *Allium cupuliferum* Regel [Salaspils National Botanical Garden, LV, 2006].
 493. *Allium giganteum* Regel [R. Mileškienė. Private collection, Bubiai, Šiauliai district, LT, 2015].
 494. *Allium karataviense* Regel [Vilnius University Botanical Garden, LT, 2006].
 495. *Allium neapolitanum* Cirillo [Botanical Garden of the University of Siena, IT, 2003].
 496. *Allium pskemense* B. Fedtsch.* [Gothenburg Botanical Garden, SE, (Uzbekistan: Ugam Mtn. Range, Urungachsay, 2555-2800 m), 2007].
 497. *Allium ramosum* L. [Ghent University Botanic Garden, BE, 2002].
 498. *Allium sarawschanicum* Regel* [Salaspils Nacional Botanical Garden, LV, 2007].
 499. *Allium siculum* Ucria [The Munich Botanical Garden, Nymphenburg, DE, 2006].
 500. *Allium stipitatum* Regel [A. Markevičius. Private collection, Neveronys, Kaunas district, LT, 2011].
 501. *Allium suworowii* Regel [Salaspil National Botanical Garden, LV, 2007].
 502. *Allium victorialis* L. [Botanic Garden and Botanical Museum Berlin-Dahlem, DE, 2006].

AMARYLLIDACEAE J. St.-Hil

503. *Leucojum aestivum* L. [Utrecht University Botanic Garden, NL, 2002].

ASPHODELACEAE Juss.

504. *Aspodeline brevicaulis* (Bertol.) Baker [Botanical Garden of Leipzig University, DE, 2006].
 505. *Eremurus altaicus* (Pall.) Stev. [Institute of Ecology and Botany Hungarian Academy of Sciences Botanic Garden, Vacratot, HU, 2003].
 506. *Eremurus himalaicus* Bak. [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2003].
 507. *Eremurus x isabellinus* Vilmorin* [Botanical Garden of the University of Tartu, EE, 2006].

CANNACEAE Juss.

508. *Canna indica* L. [Hortus Botanicus Lovaniensis, BE, 2010].

COLCHICACEAE DC.

509. *Colchicum autumnale* L. [Traupio Botanical Garden, LT, 2000].

CYPERACEAE Juss.

510. *Carex davalliana* Sm.* [University of Salzburg Department of Organismic Biology Study Group Botanical Garden, AT, 2006].
511. *Carex divulsa* Stokes* [The Botanical Garden of the University of Regensburg, DE, 2011].
512. *Carex grayii* Carey* [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].
513. *Carex muricata* L.* [Botanical Garden University of Oslo, NO, 2009].
514. *Carex ovalis* Willd. ex Kunth* [Botanic Garden of Nantes, FR, 2013].
515. *Carex pallescens* L.* [University of Salzburg Department of Organismic Biology Study Group Botanical Garden, AT, (University of Tromsø, NO), 2011].
516. *Carex pseudocyperus* L. [Botanical Garden of Ernst-Moritz-Arndt University Greifswald, DE, 2006].

DIOSCOREACEAE R. Br.

517. *Dioscorea balcanica* Kosanin* [Botanical Garden of Amsterdam University, NL, 2004].

HYACINTHACEAE Batsch ex Borkh.

518. *Bellevalia romana* (L.) Sweet. [Botanic Garden of the University of Stuttgart-Hohenheim, Stuttgart, DE, 2005].
519. *Camasia leichtlinii* (Baker) S. Wats. var. *alba* hort.* [Botanical Garden of the Voronezh State University B. M. Kozo - Poljanskii, RU, 2008].
520. *Hyacinthoides hispanica* (Mill.) Rothm. [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2005].
521. *Ornithogalum flavescens* Lam* [Botanical Garden Voronezh, RU, 2009].
522. *Ornithogalum magnum* Krasch. et Schishkin* [Botanical Garden Miunchen, DE, 2009].
523. *Ornithogalum ponticum* Zahar [Botanical Garden Voronezh, RU, 2009].
524. *Ornithogalum pyramidale* L. [Botanical Garden Voronezh, RU, 2009].
525. *Scilla autumnalis* L. [Botanic Garden of Rostock University, DE, 2003].
526. *Scilla litardierei* Breistr. [The Munich Botanical Garden, Nymphenburg, DE, 2006].

IRIDACEAE Juss.

527. *Belamcanda chinensis* (L.) DC.* [Botanical Garden Wageningen University, NL, 2004].
528. *Gladiolus bizantinus* Mill. [The Botanical Garden of St. Triphon, CH, 2010].
529. *Gladiolus caucasicus* Herb.* [Botanical Garden of the University of Potsdam, DE, 2010].
530. *Gladiolus illyricus* W. Koch* [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2010].
531. *Iris aurea* Lindl. [Botanical Garden of Lautaret, FR, 2010].
532. *Iris chrysographes* Dykes [The Alpine Botanical Garden “Viotte”, Trento, IT, 2003].
533. *Iris laevigata* Fisch. [The Alpine Botanical Garden “Viotte”, Trento, IT, 2003].
534. *Iris missouriensis* Nutt.* [The Alpine Botanical Garden “Viotte”, Trento, IT, 2003].
535. *Iris spuria* L. [Botanic Garden and Arboretum Mendel University of Agriculture and Forestry Brno, CZ, 2005].
536. *Iris spuria* ssp. *sogdiana* (Bunge) B. Mathew [Utrecht University Botanic Garden, NL, 2009].
537. *Iris tenax* Douglas ex Lindl. [The Botanical Garden of the University of Regensburg, DE, 2004].
538. *Olsynium douglasii* (A. Dietr.) E. P. Bicknell* [Botanical Garden University of Oslo, NO, 2005].
539. *Sisyrinchium angustifolium* Mill. [The Botanical Garden of the University of Tübingen, DE, 2002].
540. *Sisyrinchium bellum* S. Watson ‘Album’ [Tallinn Botanic Garden, EE, 2011].
541. *Sisyrinchium bermudiana* L.* [University of Bristol Botanic Garden, UK, 2004].
542. *Sisyrinchium septentrionale* Bicknell* [Botanical Garden-Institute Vladivostok, RU, 2005].

IXIOLIRIACEAE (Pax) Nakai

543. *Ixiolirion tataricum* (Pall.) Herb.* [Salaspils National Botanical Garden, LV, 2004].

JUNCACEAE Juss.

544. *Luzula alpinopilosa* (Chaix) Breistr.* [Botanical Garden of the University of Potsdam, DE, 2013].
545. *Luzula luzuloides* (Lam.) Dandy et Willmott [Kaunas Botanic Garden of Vytautas Magnus University, LT, 2000].
546. *Luzula multiflora* (Ehrh.) Lej. [Botanical Garden of Dijon, FR, 2012].
547. *Luzula nivea* (Nath.) DC. [Humboldt University of Berlin, Institute of Biology, Arboretum, DE, 2009].

LILIACEAE Juss.

548. *Fritillaria aurea* Schott [Salaspils National Botanical Garden, LV, 2004].
549. *Fritillaria bucharica* Regel [Salaspils National Botanical Garden, LV, 2004].

550. *Fritillaria caucasica* Adams [Salaspils National Botanical Garden, LV, 2004].
 551. *Fritillaria imperialis* L. [Botanic Garden of Šauliai University, LT, No data available of their origin].
 552. *Fritillaria involucrata* All. [Austrian Horticultural Society, National Group Styria, Graz, AT, 2009].
 553. *Fritillaria pallidiflora* Schrenk [Salaspils National Botanical Garden, LV, 2003].
 554. *Fritillaria pontica* Wahlenb.* [Prague Botanical Garden, CZ, 2009].
 555. *Fritillaria roylei* J. D. Hook.* [Botanical Garden University of Oslo, NO, 2003].
 556. *Fritillaria sewerzowii* Regel* [Salaspils National Botanical Garden, LV, 2003].
 557. *Lilium davidi* Duch. ex Elwes var. *willmottiae* (E.H.Wilson) Raffill [The Botanic Garden of the Georg-August-University, Goettingen, DE, 2007].
 558. *Lilium martagon* L.* [Botanical Garden of the University of Tartu, EE, 2006].

MELANTHIACEAE Batsch

559. *Veratrum nigrum* L.* [National Botanic Garden of Belgium, Meise, BE, 2003].

POACEAE (R. Br.) Bernhart

560. *Briza media* L. [Leuven Botanic Garden, BE, 2009].
 561. *Chloris barbata* Sw.* [Botanic Garden of Johannes Gutenberg University Mainz, DE, 2012].
 562. *Deschampsia tzvelevii* Prob.* [Botanical Garden-Institute Vladivostok, RU, 2004].
 563. *Festuca amethystine* L. [G. Pociūlienė. Private collection, LT, 2012].
 564. *Festuca gigantea* (L.) Vill. [The Botanical Garden of Graz, Institute for Plant Science, Karl-Franzens-University Graz, AT, 2013].
 565. *Hierochloa odorata* (L.) P. Beauv.* [Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry, Babtai, Kaunas district, LT, 2001].
 566. *Lagurus ovatus* L.* [Botanical Garden of the Christian Albrechts University of Kiel, DE, 2015].
 567. *Lagurus ovatus* ssp. *ovatus** [Botanic Garden of Nantes, FR, 2015].
 568. *Molinia caerulea* (L.) Moench.* [K. Vyšniauskas. Private collection, Raseiniai, LT, 2004].
 569. *Stipa pennata* L.* [Vilnius University Botanical Garden, LT, 2002].
 570. *Zea mays* L. 'Black Aztek'* [The Botanischer Garten Krefeld, DE, 2015].
 571. *Zea mays* L. 'White Cherokee'* [Botanical Garden of the University of Zurich, CH, 2015].

SEED FROM LITHUANIAN PLANTS CULTIVATED IN THE GARDEN

MAGNOLIOPSIDA Brongn.

APIACEAE Lindl.

572. *Astrantia major* L. [The local area Žagarė, Joniškis district, LT, 2000].
573. *Laserpitium latifolium* L. [The local area Mažeikiai district, LT, 2007].

ASTERACEAE Dumort.

574. *Gnaphalium luteoalbum* L. [The local area Merkinė, Varėna district, LT, 2008].

BORAGINACEAE Juss.

575. *Lithospermum officinale* L. [Traupis Botanical Garden, LT, 1999].

BRASSICACEAE Burnett

576. *Lunaria rediviva* L. [The local area Varėna district, LT, 2000].

CAMPANULACEAE Juss.

577. *Campanula bononiensis* L. [The local area Kėdainiai district, LT, 2007].

CARYOPHYLLACEAE Juss.

578. *Dianthus arenarius* L. [The local area Marcinkonys, Varėna district, LT, 2008].
579. *Dianthus arenarius* ssp. *arenarius* [The local area Perloja, Varėna district, LT, 2007].
580. *Dianthus borbasii* Vandas* [The local area Dzūkija National Park, Varėna district, LT, 2003].
581. *Silene lithuanica* Zapal. [The local area Marcinkonys, Varėna district, LT, 2008].

DIPSACACEAE Juss.

582. *Scabiosa columbaria* L. [The local area Vilnius district, LT, 2007].
583. *Succisella inflexa* Kluk [The local area Kupiškis district, LT, 2010].

ERICACEAE Juss.

584. *Ledum palustre* L.* [Collector A. Malciūtė. Vainagai hillfort, Kurtuvėnai Regional Park, LT, 2005].

FABACEAE Lindl.

585. *Anthyllis vulneraria* L. [The local area Prienai district, LT, 2000].
586. *Astragalus glycyphyllos* L.* [The local area Šiauliai, Aleksandrija district, LT, 2012].
587. *Lathyrus sylvestris* L.* [The local area Radviliškis district, LT, 2000].
588. *Ornithopus perpusillus* L.* [The local area Pociūnai, Prienai district, LT, 2000].

GENTIANACEAE Juss.

589. *Gentiana cruciata* L. [The local area Lazdijai district, LT, 2005].

LAMIACEAE Lindl.

590. *Dracocephalum ruyschiana* L. [The local area Anykščiai district, LT, 2008].
591. *Mentha longifolia* (L.) Huds. [The local area Pupiniai, Kupiškis district, LT, 2007].
592. *Prunella grandiflora* (L.) Scholler [The local area Varėna district, LT, 2008].
593. *Salvia pratensis* L. [The local area Merkinė, Lazdijai district, LT, 1999].
594. *Salvia stepposa* Desj.-Schost.* [The local area Kupiškis district, LT, 2004].
595. *Salvia x sylvestris* L. [The local area Vizgūnai, Kupiškis district, LT, 2009].
596. *Scutellaria hastifolia* L.* [The local area Gazdonai, Šilutės district, LT, 1998].
597. *Stachys recta* L. [The local area Kaišiadorys district, LT, 2002].

MELANTHIACEAE Batsch.

598. *Tofieldia calyculata* (L.) Wahlenb. [The local area Lazdijai district, LT, 2001].

POLYGONACEAE Juss.

599. *Fagopyrum tataricum* (L.) Gaertn.* [The local area Šalčininkai district, LT, 2007].

RANUNCULACEAE Juss.

600. *Pulsatilla patens* (L.) Mill. [The local area Varėna district, LT, 2008].

RUBIACEAE Juss.

601. *Cruciata glabra* (L.) Ehrend.* [The local area Romainiai, Kaunas district, LT, 2000].

VIOLACEAE Batsch

602. *Viola elatior* Fr. [The local area Vilnius district, LT, 2007].

LILIOPSIDA Batsch

ALLIACEAE J. Agardh

603. *Allium angulosum* L.* [The local area Tauragė district, LT, 2007].
604. *Allium scorodoprasum* L. [The local area Priekulė, Klaipėda district, LT, 2007].

ASPHODELACEAE Juss.

605. *Anthericum ramosum* L. [Kurtuvėnai Regional Park, Šiauliai district, LT, 2000].

CYPERACEAE Juss.

606. *Carex buxbaumii* Wahlenb. [The local area Kėdainiai district, LT, 2008].

IRIDACEAE Juss.

607. *Gladiolus imbricatus* L. [The local area Širvintai district, LT, 2007].
608. *Iris sibirica* L. [The local area Truskava, Kėdainiai district, LT, 2008].

LILIACEAE Juss.

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ORCHIDACEAE Juss.

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POACEAE (R. Br.) Bernhart

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