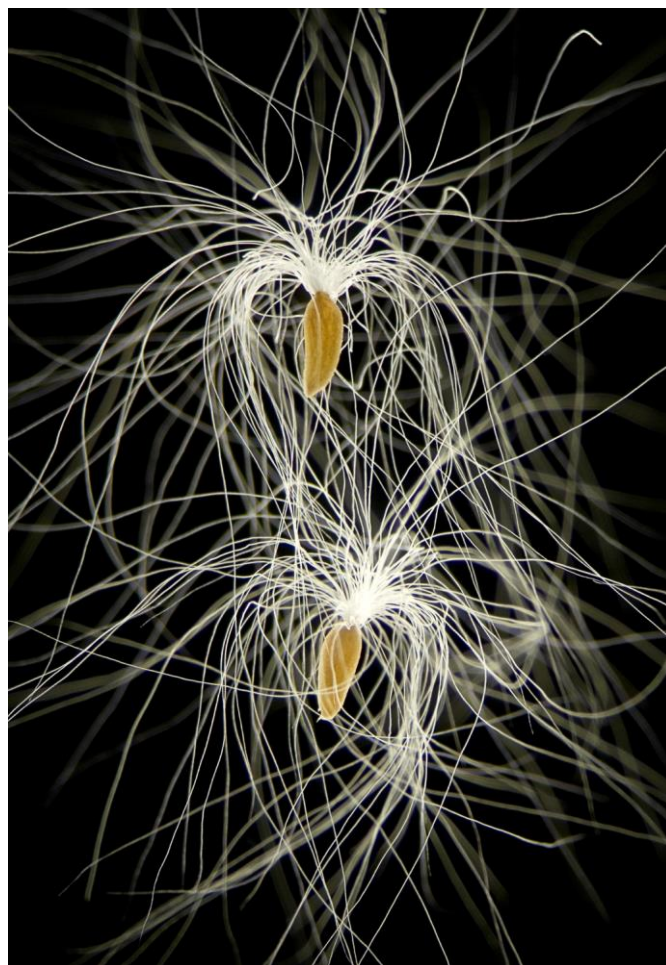


UNIVERSITAS CAROLINA PRAGENSIS * FACULTAS RERUM NATURALIUM

Hortus botanicus Universitatis Carolinae

INDEX SEMINUM 2020




**Botanická
zahrada** Přírodovědecké
fakulty UK
v Praze

Director:

Ing. Ladislav Pavlata

Collectors:

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Geographic information

Latitude: 50°4'14.494" N

Longitude: 14°25'11.449" E

Altitude: 205 m a.s.l.

Climatic information

Month	1	2	3	4	5	6	7	8	9	10	11	12
Mean Air Temperature (° C)	-0,9	0,8	4,6	9,2	14,2	17,5	19,1	18,5	14,7	9,7	4,4	0,9
Total Precipitation (mm)	19,8	19,2	24,4	31,8	59,9	58,8	58,3	63,2	37,1	26,3	28,2	19,5
Sunshine Duration (h)	44,6	69,2	119,0	162,8	208,3	210,8	219,6	210,4	156,4	117,3	50,1	42,5

Dear Madam, Dear Sir,
Dear Colleague,
we are pleased to send you our **Index seminum 2020**.

Nomenclature used:

1) indigenous plants: new determination key to the flora of the Czech Republic (Key to the flora of the Czech Republic: Kaplan Z., Danihelka J., Chrtek J. jun., Kirschner J., Kubát K., Štech M. & Štěpánek J. [eds.]. Ed. 2. - 1168p., Academia, Praha, 2019)

2) plants native to Slovakia: on-line checklist of Slovakian plants (<http://ibot.sav.sk/checklist/>)

3) other plants: mainly The Plant List (www.theplantlist.org/).

Only requests reaching us before **February 28, 2020** will be processed

Please limit your order to **20 numbers!**

On request, the original locality of most species can be supplied.

If there are any changes in your institution's address, please inform us so that correction will be made in our database.

R = rare; we have only a limited amount of seeds.

Send to:

**Charles University
Faculty of Science
BOTANICAL GARDEN
128 01 Praha, Na Slupi 16
CZECH REPUBLIC**

We also accept e-mail orders: **index@natur.cuni.cz**.

✂ -----

DESIDERATA 2020 :

Your address:

1. Seeds and fruits collected from plants cultivated outdoors in the Botanical Garden

Acanthaceae

- 1 Acanthus mollis L.

Aceraceae

- 2 Acer macrophyllum Pursh
3 Acer pectinatum subsp. laxiflorum (Pax) A.E.Murray

Alismataceae

- 4 Alisma plantago-aquatica L.

Amaryllidaceae

- 5 Allium nutans L.
6 Allium senescens L. subsp. montanum (Fries) Holub

Anacardiaceae

- 7 Rhus aromatica Aiton

Anthericaceae

- 29 Anthericum liliago L.
8 Anthericum ramosum L.

Apiaceae

- 9 Angelica archangelica L.
10 Astrantia major L.
11 Berula erecta (Huds.) Coville
12 Bupleurum falcatum L.
13 Chaerophyllum aromaticum L.
14 Laserpitium archangelica Wulfen
15 Levisticum officinale W.D.J. Koch
16 Pimpinella anisum L.
17 Scandix pecten-veneris L.
18 Sium sisarum L.
19 Smyrniolum perfoliatum L.
20 Trinia glauca (L.) Dumort.

Apocynaceae

- 21 R Vincetoxicum pannonicum (Borhidi) Holub

Aquifoliaceae

- 22 Ilex aquifolium L.

Araceae

- 23 Arisaema flavum (Forssk.) Schott
24 Arum maculatum L.
25 Arum nigrum Schott

Araliaceae

- 26 Eleutherococcus sieboldianus (Makino) Koidz.

Aristolochiaceae

- 27 Aristolochia clematitis L.

Asparagaceae

- 28 Albuca shawii Baker
RSA, Witsieshoek Mt. Resort, 2200m; 2003/01.
30 Ornithogalum viridiflorum (L.Verd.) J.C.Manning & Goldblatt

Asteraceae

- 31 Ammobium alatum R.Br.
32 Aster amellus L.
33 Berlandiera lyrata Benth.
USA, BG Denver
34 Bidens tripartitus L.
35 Centaurea benedicta (L.) L.
36 Cichorium intybus L.
37 Echinacea purpurea (L.) Moench
38 Felicia cf. muricata (Thunb.) Nees
RSA, Eastern Cape, Naudes Nek
39 Gazania linearis (Thunb.) Druce
40 Helichrysum decorum DC.
41 Hieracium maculatum Schrank
42 Inula germanica L.
43 Inula helenium L.
44 Jurinea alata (Desf.) Cass.
45 Onopordum acanthium L.
46 Rhaponticum carthamoides (Willd.) Iljin
47 Scorzonera hispanica L.
48 Senecio arenarius Thunb.
RSA, West. Cape, Piketberg
49 Senecio erucifolius L.
50 Silybum marianum (L.) Gaertner
51 Tanacetum balsamita L.
52 Tanacetum corymbosum (L.) Sch. Bip.
53 Xeranthemum cylindraceum Sm.

Betulaceae

- 54 Alnus subcordata C.A.Mey.
55 Betula papyrifera Marshall

Bignoniaceae

- 56 Catalpa bignonioides Walter

Boraginaceae

- 57 R Buglossoides purpureoerulea (L.) I. M. Johnst.
58 Lithospermum officinale L.

Brassicaceae

- 59 Biscutella didyma L.
60 Iberis sempervirens L.
61 Isatis tinctoria L.
62 Lunaria rediviva L.
63 Sisymbrium strictissimum L.

Calycanthaceae

- 64 Calycanthus floridus L.

Campanulaceae

- 65 Codonopsis lanceolata (Siebold & Zucc.) Benth. & Hook.f. ex Trautv.
- 66 Lobelia inflata L.
- 67 Lobelia siphilitica L.
- 68 Platycodon grandiflorus (Jacq.) A. DC.

Cannabaceae

- 69 Celtis occidentalis L.

Caprifoliaceae

- 70 Lonicera caerulea L.
- 71 Symphoricarpos albus var. laevigatus (Fernald) S.F.Blake

Caryophyllaceae

- 72 Agrostemma githago L.
- 73 Dianthus plumarius subsp. praecox (Kit.) Domin
- 74 Eremogone procera (Spreng.) Rchb.
- 75 Gypsophila paniculata L.
- 76 Saponaria officinalis L.
- 77 Silene baccifera (L.) Durande
- 78 Silene gallica L.

Celastraceae

- 79 Euonymus alatus (Thunb.) Siebold

Cistaceae

- 80 Cistus laurifolius L.
- 81 Cistus populifolius L.
- 82 Helianthemum apenninum (L.) Mill.
- 83 Helianthemum grandiflorum (Scop.) DC. (red flowers)
- 84 Tuberaria guttata (L.) Fourr.

Cornaceae

- 85 Cornus sanguinea L.

Cupressaceae

- 86 Juniperus scopulorum Sarg.
- 87 Metasequoia glyptostroboides Hu & W.C.Cheng
- 88 Platycladus orientalis (L.) Franco

Cyperaceae

- 89 Carex remota L.
- 90 Carex spicata Huds.
- 91 Schoenoplectus tabernaemontani (C. C. Gmel.) Palla

Dipsacaceae

- 92 Cephalaria gigantea (Lebed.) Bobrov
- 93 Dipsacus pilosus L.
- 94 Scabiosa ochroleuca L.
- 95 Scabiosa tenuis Spruner ex Boiss.
Albania, Ohrid bank, foothill of the rocks (carbonates) along the path to camp, 25.9. 2018, coll. Mašková
- 96 Succisa pratensis Moench

Elaeagnaceae

- 97 Elaeagnus angustifolia L.

Euphorbiaceae

- 98 Euphorbia glareosa Pall ex. M.Bieb
99 Euphorbia lathyris L.
234 **R** Euphorbia salicifolia Host

Fabaceae

- 100 Cercis siliquastrum L.
101 Colutea arborescens L.
102 Coronilla coronata L.
103 Coronilla vaginalis Lam.
104 Galega officinalis L.
105 Lathyrus niger (L.) Bernh.
106 Lathyrus nissolia L.
107 Lathyrus vernus (L.) Bernh.
108 Onobrychis viciifolia Scop.
109 **R** Vicia cassubica L.
110 Vicia sepium L.
111 **R** Vicia tenuifolia Roth

Hyacinthaceae

- 112 Muscari comosum (L.) Mill.

Hypericaceae

- 113 Hypericum androsaemum L.
114 **R** Hypericum degenii Bornm.
115 Hypericum perforatum L.
116 Hypericum sp.

Iridaceae

- 117 Crocosmia aurea (Pappe ex Hook.) Planch.
RSA, Transkei
118 Gladiolus imbricatus L.
119 Iris prismatica Pursh
120 Iris pseudacorus L.
121 Sisyrinchium montanum Greene
122 **R** Sisyrinchium californicum (Ker Gawl.) Dryand.

Juncaceae

- 123 Luzula nivea (L.) DC.

Juncaginaceae

- 124 Triglochin maritima L.

Juglandaceae

- 125 Carya cordiformis (Wangenh.) K.Koch

Lamiaceae

- 126 Ballota pseudodictamnus (L.) Benth.
127 Betonica officinalis L.
128 Callicarpa bodinieri H.Lév.
129 Dracocephalum moldavica L.
130 Hyssopus officinalis L.
131 Lavandula angustifolia Mill.
132 Leonurus sibiricus L.
133 Lycopus europaeus L.
134 Marrubium thessalum Boiss. & Heldr.
135 Melissa officinalis L.
136 Perilla frutescens (L.) Britton

- 137 Phlomis fruticosa L.
138 Salvia austriaca Jacq.
139 Salvia hispanica L.
140 Salvia judaica Boiss.
141 Salvia nemorosa L.
142 Salvia sclarea L.
143 Satureja montana L.
144 **R** Sideritis glacialis Boiss.
145 Stachys germanica L.
146 Stachys recta L.

Liliaceae

- 147 Fritillaria meleagris L.
148 Tulipa sylvestris L.
149 Linum usitatissimum L.

Magnoliaceae

- 150 Magnolia acuminata (L.) L.

Malvaceae

- 151 Abutilon theophrastii Medik.
152 Alcea rosea L. 'Nigra'
153 Althaea officinalis L.
154 Hibiscus sabdariffa L.
155 Malva sylvestris L.

Melanthiaceae

- 156 Paris quadrifolia L.

Oleaceae

- 157 Fraxinus pennsylvanica Marshall

Onagraceae

- 158 Epilobium parviflorum Schreb.
159 Oenothera biennis L.
160 Oenothera magellanica Phil.

Papaveraceae

- 161 Argemone mexicana L.
162 Glaucium flavum Crantz
163 Papaver orientale L.

Plantaginaceae

- 164 Anarrhinum corsicum Jord. & Fourr.
165 Digitalis purpurea L.
166 **R** Misopates orontium (L.) Rafin.
167 Plantago lanceolata L.
168 Pseudolysimachion subsessile (Miq.) Holub
169 Veronica prostrata L.

Poaceae

- 170 Brachypodium rupestre (Host) Roem. et Schult.
171 Brachypodium sylvaticum (Huds.) P.Beauv.
172 Briza media L.
173 Coix lacryma-jobi L.
174 Eleusine coracana (L.) Gaertn.
175 Eragrostis curvula (Schrad.) Nees
176 Koeleria macrantha (Lebed.) Schult.

- 177 Lolium temulentum L.
178 Melica ciliata L.
179 Melinis repens (Willd.) Zizka
RSA, East. Cape, 10 km NW of Kleinpoort
180 Oryza sativa L.
181 Pennisetum setaceum (cf.) (Forssk.) Chiov.
RSA, East. Cape, 10 km NW of Kleinpoort
182 Piptatherum virescens (Trin.) Boiss.
183 Poa badensis Willd.
184 Stipa pennata L.
185 Stipa pulcherrima K.Koch
186 Stipa tirsia Steven

Polygonaceae

- 187 Fagopyrum esculentum Moench
188 Rumex hydrolapathum Huds.
189 Rumex triangulivalvis (Danser) Rech. f.

Primulaceae

- 190 Lysimachia ephemerum L.
191 Primula denticulata Sm.
192 Primula frondosa Janka
193 Primula japonica A. Gray 'Apple Blossom'
194 Primula japonica A. Gray 'Miller's Crimson'

Ranunculaceae

- 195 Aconitum lycoctonum L.
196 Actaea spicata L.
197 Anemone hupehensis (É. Lemoine) É. Lemoine
198 Helleborus purpurascens Walldt. et Kit.
199 Pulsatilla grandis Wender.
200 Ranunculus acris L.
201 Ranunculus arvensis L.
202 Thalictrum aquilegifolium L.

Rosaceae

- 203 Agrimonia procera Wallr.
204 Comarum palustre L.
205 Cotoneaster integerrimus Medik.
206 Cydonia oblonga Mill.
207 Drymonocallis rupestris (L.) Soják
208 Filipendula ulmaria (L.) Maxim.
209 Geum aleppicum Jacq.
210 Geum urbanum L.
211 Chaenomeles japonica (Thunb.) Lindl. ex Spach
212 Physocarpus opulifolius (L.) Maxim.
213 Pyracantha coccinea M.Roem.
214 Sanguisorba minor Scop.
215 Sanguisorba minor subsp. balearica (Nyman) Munoz Garm. et C.Navarro
216 Sanguisorba officinalis L.
217 Sorbus aria (L.) Crantz.
218 Sorbus danubialis (Jáv.) Kárpáti
219 Sorbus sudetica (Tausch) Bluff et al.

Rutaceae

- 220 Phellodendron japonicum Maxim.
221 Ruta graveolens L.

Sapindaceae

- 222 Koelreuteria paniculata Laxm.

Scrophulariaceae

- 223 Phygelius capensis E.Mey. ex Benth.
Lesotho, Leribe Distr., between Mphosong and Mafika Lisiu Pass,
2300 m
- 224 Scrophularia canina subsp. hoppii (W.D.J.Koch) P.Fourn.

Solanaceae

- 225 Datura stramonium L.
- 226 Nicandra physalodes (L.) Gaert.
- 227 Nicotiana rustica L.
- 228 Nicotiana tabacum L.
- 229 Petunia exserta Stehm.

Staphyleaceae

- 230 Staphylea pinnata L.

Talinaceae

- 231 Talinum paniculatum (Jacq.) Gaertn.

Tiliaceae

- 232 Tilia americana L.
- 233 Tilia x euchlora K. Koch.

Typhaceae

- 235 Typha angustifolia L.
- 236 Typha latifolia L.
- 237 Typha minima Hoppe

Urticaceae

- 238 Parietaria officinalis L.

Verbenaceae

- 239 Verbena bonariensis L.
- 240 Verbena officinalis L.

Viburnaceae

- 241 Viburnum lantana L.

Xanthorrhoeaceae

- 242 Asphodeline lutea (L.) Rchb.

2. Seeds and fruits from plants cultivated in the greenhouses

Amaryllidaceae

- 243 Hippeastrum 'Lucky Strike'

Araceae

- 244 R Anthurium verapazense Engl.
Guatemala, coll. Haager J.R.
- 245 Spathiphyllum schomburgkii Schott
- 246 Stenospermation sp.
Ecuador, Borja

Aristolochiaceae

- 247 Aristolochia gracilis Duch.

Asparagaceae

- 248 Chlorophytum orchidastrum Lindl.
- 249 R Scilla haemorrhoidalis Webb & Berthel.
Canary Islands
- 250 R Veltheimia bracteata Harv. ex Baker

Asphodelaceae

- 251 R Dipcadi sp.
RSA

Boraginaceae

- 252 Echium candicans L.f.
- 253 Echium piniana Webb & Berthel.

Bromeliaceae

- 254 Billbergia macrolepis L.B.Sm.
- 255 Dyckia brevifolia Baker
- 256 Pitcairnia flammea var. roezlii (E.Morren) L.B.Sm.
- 257 Vriesea splendens (Brongn.) Lem.

Burseraceae

- 258 Commiphora dulcis Engl.

Cactaceae

- 259 R Frailea fulvolanata n.n.
- 260 R Frailea gracilima subsp. horstii (F.Ritter) P.J.Braun & Esteves
Brasil, Rio Grande do Sul, Pinheiro Machado
- 261 Mammillaria nivosa Link ex Pfeiff.
- 262 Melocactus matanzanus León
- 263 Rebutia nigricans (Wessner) D.R. Hunt
- 264 Rebutia nigricans 'peterseimii' Fric ex Kreuz.

Colchicaceae

- 265 R Androcymbium eucomoides (Jacq.) Willd.
RSA

Commelinaceae

- 266 R Palisota barteri Hook.f.

Crassulaceae

- 267 Kalanchoe faustii Font Quer
268 Kalanchoe luciae Raym.-Hamet

Dioscoreaceae

- 269 Dioscorea sansibarensis Pax
(bulbs)
270 R Tacca integrifolia Ker Gawl.

Iridaceae

- 271 Gladiolus cunonius (L.) Gaertn.
RSA

Malvaceae

- 272 Adansonia digitata L.
N. Senegal
273 Pavonia sepium A.St.-Hil.

Marantaceae

- 274 Marantochloa leucantha (K.Schum.) Milne-Redh.

Phytolaccaceae

- 275 Rivina humilis L.

Primulaceae

- 277 Cyclamen cilicium Boiss. & Heldr.
278 R Cyclamen sp.
Turkey, mountains between Aksesi and Cevizli, Abies cilicica and Pinus brutia forest

Proteaceae

- 279 Stenocarpus sinuatus (A. Cunn.) Endl.

Solanaceae

- 280 Solanum linnaeanum Hepper & P.-M.L.Jaeger
Madeira, Ponta de São Lourenço

Zingiberaceae

- 281 R Globba marantina L.
(bulbs)
282 R Globba sessiliflora Sims
(bulbs)
283 R Globba schomburgkii Hook.f.
(bulbs)
284 Globba sp.
R (bulbs)

3. Seeds and fruits collected in situ

Aizoaceae

- 285 **R** *Glottiphyllum* cf. *suave* N.E.Br.
RSA, West. Cape, 4 km S of Wagendrift, Rooikloof, coll. Procházka T. (TP 18-177)
- 286 **R** *Glottiphyllum* cf. *suave* N.E.Br.
RSA, West. Cape, 12 km S of Buffelskloof, coll. Procházka T. (TP 18-099)
- 287 **R** *Pleiospilos compactus* subsp. *canus* H.E.K. Hartmann & Liede
RSA, West. Cape, Uniondale fort, coll. Procházka T. (TP 18-084)
- 288 **R** *Pleiospilos compactus* subsp. *canus* H.E.K. Hartmann & Liede
RSA, West. Cape, 6 km W of Prince Albert, coll. Procházka T. (TP 18-021)

Apiaceae

- 289 *Falcaria vulgaris* Bernh.
Czech Republic, Březno u Chomutova, 50.3984153N, 13.4327286E, 14.9.2019, coll. Kindlová Š.

Asteraceae

- 290 **R** *Carduus nutans* L. subsp. *nutans*
Czech Republic, Mladotice-Velká Černá Hať, 50.0043794N, 13.3321508E, 8.7.2019, coll. Kindlová Š.
- 291 *Centaurea cyanus* L.
Czech Republic, Kladky, 49.6542906N, 16.8324392E, 5.7.2019, coll. Hrouda M.
- 292 *Cirsium erisithales* (Jacq.) Scop.
Slovak Republic, Levoča, 49.0502767N, 20.6075247E, 21.9.2019, coll. Kindlová Š.
- 293 *Crepis paludosa* (L.) Moench
Czech Republic, Žihle, 50.0476492N, 13.4254175E, 9.7.2019, coll. Kindlová Š.
- 294 *Pilosella officinarum* Vaill.
Czech Republic, Mladotice-Srážišť, 49.9983378N, 13.3255517E, 8.7.2019, coll. Kindlová Š.
- 295 *Tripleurospermum inodorum* (L.) Sch. Bip.
Czech Republic, Chrástovice, 50.0080572N, 13.3645739E, 11.7.2019, coll. Kindlová Š.

Boraginaceae

- 296 *Anchusa officinalis* L.
Czech Republic, Praha Lahovičky, 50.0021972N, 14.3984539E, 16.7.2019, coll. Kindlová Š.

Brassicaceae

- 297 *Barbarea vulgaris* W. T. Aiton
Czech Republic, Mladotice-Velká Černá Hať, 49.9997972N, 13.3257419E, 8.7.2019, coll. Kindlová Š.
- 298 *Thlaspi arvense* L.
Czech Republic, Mladotice-Velká Černá Hať, 50.0043794N, 13.3321508E, 8.7.2019, coll. Kindlová Š.

Caryophyllaceae

- 299 *Dianthus carthusianorum* L.
Czech Republic, Březno u Chomutova, 50.3986547N, 13.4321278E, 14.9.2019, coll. Kindlová Š.
- 300 *Dianthus deltoides* L.
Czech Republic, Číměř, 49.0760100N, 15.0831344E, 31.8.2019, coll. Hrouda M.
- 301 *Petrorhagia prolifera* (L.) P.W.Ball et Heywood
Czech Republic, Praha Modřany, 50.0028867N, 14.4028206E, 16.7.2019, coll. Kindlová Š.
- 302 *Saponaria officinalis* L.
Czech Republic, Praha-Kyje, 50.0965989N, 14.5463011E, 15.7.2019, coll. Hrouda M.
- 303 *Silene noctiflora* L.
Slovak Republic, Levoča, 49.0345917N, 20.5949544E, 21.9.2019, coll. Kindlová Š.

Cyperaceae

- 304 *Bolboschoenus maritimus* (L.) Palla
Czech Republic, Dolní Počernice, 50.0952208N, 14.5729622E, 2.9.2019, coll. Hrouda M.

Fabaceae

- 305 *Genista germanica* L.
Slovak Republic, Tomášovce, Pri Tomášovskom výhlade, 48.9496400N, 20.4609700E, 20.7.2019, coll. Kindlová Š.
- 306 *Lupinus polyphyllus* Lindl.
Czech Republic, Mladotice-Velká Černá Hať, 50.0003522N, 13.3324997E, 8.7.2019, coll. Kindlová Š.
- 307 *Lupinus polyphyllus* Lindl.
Czech Republic, Kačlehy, 49.0923719N, 15.0735967E, 31.8.2019, coll. Hrouda M.

Lamiaceae

- 308 *Stachys sylvatica* L.
Czech Republic, Petrohrad, 50.1221331N, 13.4446483E, 12.7.2019, coll. Kindlová Š.

Malvaceae

- 309 *Lavatera thuringiaca* L.
Czech Republic, Lysá nad Labem, 50.1861306N, 14.8052844E, 12.8.2019, coll. Hrouda M.
- 310 *Malva sylvestris* L.
Czech Republic, Praha-Kyje, 50.0965989N, 14.5463011E, 14.8.2019, coll. Hrouda M.

Poaceae

- 311 *Bromus hordeaceus* L. ssp. *hordeaceus*
Czech Republic, Mladotice-Velká Černá Hať, 49.9997522N, 13.3310672E, 8.7.2019, coll. Kindlová Š.
- 312 *Vulpia myuros* (L.) C.C.Gmel.
Czech Republic, Řemešín, 49.9999819N, 13.3739875E, 11.7.2019, coll. Kindlová Š.

Resedaceae

- 313 *Reseda luteola* L.
Czech Republic, Praha Lahovičky, 49.9997575N, 14.4013292E, 17.8.2019, coll. Kindlová Š.

Rosaceae

- 314 *Filipendula vulgaris* Moench
Slovak Republic, Spišské Podhradie, 49.0068453N, 20.7238978E, 19.7.2019, coll. Kindlová Š.
- 315 *Potentilla argentea* L.
Czech Republic, Praha Lahovičky, 50.0023575N, 14.3991539E, 15.8.2019, coll. Kindlová Š.

Violaceae

- 316 *Viola canina* L.
Czech Republic, Žihle, 50.0444933N, 13.4002519E, 9.7.2019, coll. Kindlová Š.

Front cover: *Epilobium parviflorum*

Photo © V. Sýkora 2009.

Photograph is from the book

Tajemství rostlin/Secrets of plants by V. Sýkora and V. Hroudová,

Academia, Praha 2009, www.academia.cz,

<http://www.academia.cz/tajemstvi-rostlin.html>.

