



Hortus Botanicus Lodziensis

INDEX SEMINUM 2020



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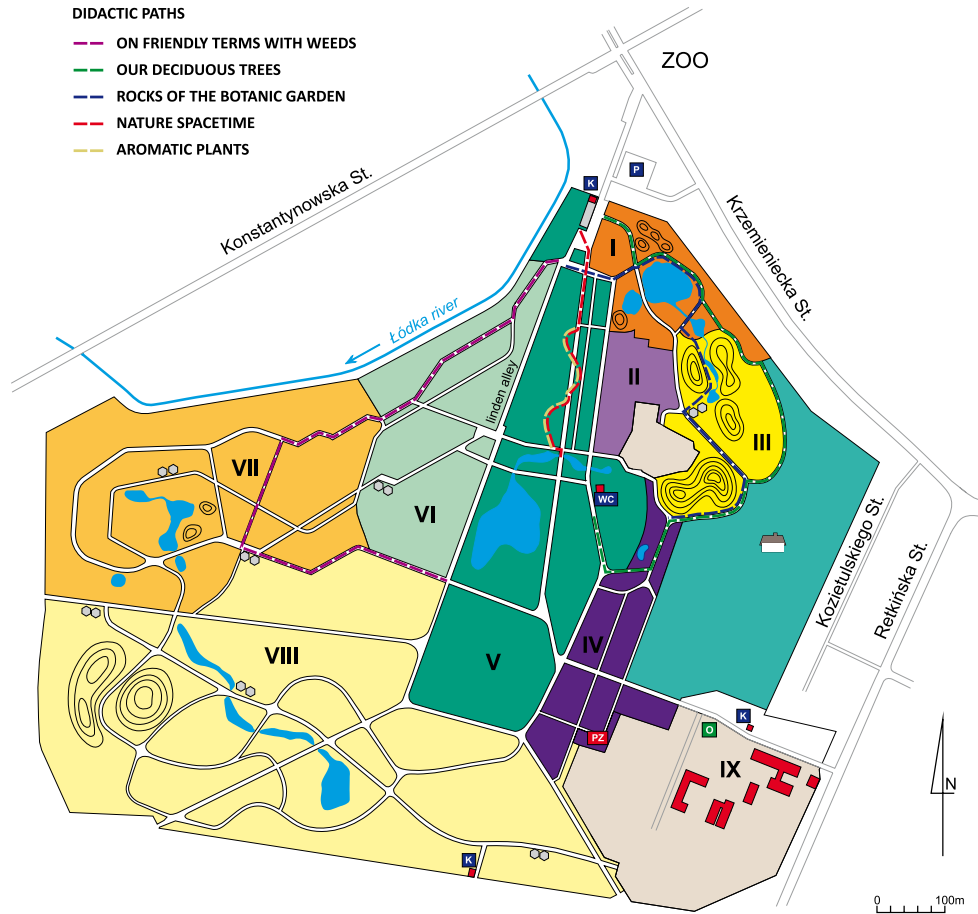
Hortus Botanicus Lodziensis
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The Botanic Garden in Lodz



- DIDACTIC PATHS**
- ON FRIENDLY TERMS WITH WEEDS
 - OUR DECIDUOUS TREES
 - ROCKS OF THE BOTANIC GARDEN
 - NATURE SPACETIME
 - AROMATIC PLANTS

- I** JAPANESE GARDEN
- II** PLANT TAXONOMY SECTION
- III** ALPINE GARDEN
- IV** DECORATIVE PLANT SECTION
- V** PARK GREENERY
- VI** MEDICINAL PLANT SECTION
- VII** POLISH FLORA SECTION
- VIII** ARBORETUM
- IX** PRODUCTION, SOCIAL AND ADMINISTRATIVE FACILITIES

- MAIN ROADS
- WATERCOURSES AND PONDS
- HILLS
- BUILDINGS
- SHEDS
- PLACES FOR REST
- FIREPLACE
- TICKET OFFICE
- PARKING
- PLAYGROUND
- PLANT OPEN-AIR MUSEUM

Geographical location of the Botanic Garden:

Latitude: 51°44'30" N

Longitude: 19°24'30" E

Altitude: 187 m above sea level

Garden area: 67 ha



Climatic data:

Meteorological data for the period 1999 to 2018	Date
Annual average air temperature: +8,9°C	
Maximum air temperature: +37,0°C	08.08.2013
Minimum air temperature: -30,2°C	23.01.2006
Average annual precipitation: 598,1 mm	

Meteorological data for 2019	Date
Annual average air temperature: +10,3°C	
Maximum air temperature: +36,3°C	30.06.2019
Minimum air temperature: -14,4°C	07.01.2019
Annual precipitation: 387,9 mm	

The climatic data taken from the meteorological station Lodz-Lublinek from the Institute of Meteorology and Water Management (IMGW).

The Botanic Garden in Lodz is located in the western part of the city and covers an area of 67 hectares. The garden was opened to the public in 1973. The Garden's plant collection consist of over 3000 taxa which are exhibited in the thematic sections: japanese garden, plant taxonomy section, alpine garden, decorative plant section, park greenery, medicinal plant section, polish flora section and arboretum. The biggest attraction of the Garden are: a collection of 50 000 tulips forming in late april picturesque carpet, a collection of peonies and daylilies represented by many varieties, collection of medicinal plants, lilacs, hydrangeas, ornamental apple trees and many others. In the Garden there are several educational paths which allow visitors to explore the mysteries of nature. The new attraction of the Botanic Garden is The Open-air Plant Museum with traditional rural garden and orchard.

The Botanic Garden has also an interesting collection of greenhouse plants (more than 2000 taxa), which is presented in the Palm House. There are three pavilions: subtropical flora, cacti and other succulents and tropical flora with ,the oldest in Poland, palm trees. The integral part of the Palm House is a Didactic Garden which has a lot of plant rarities, especially shrubs and trees.

Primarily the Garden performs didactic functions, popularizes horticultural, botanic and ecological knowledge and plays the social role. Garden staff conduct a variety of educational activities such as workshops, laboratory exercises and guided tours for children and adults. During each year there are more than 20 organized thematic exhibitions and outdoor events. A very important role of the Garden is also rare and endangered plant species conservation.



Collection of the ornamental plants in autumn (photo by Kamila Kolasińska)



Equatorial sundial on the didactic path "Nature Spacetime" (photo by Kamila Kolasińska)



Collection of cacti and other succulents in the Palm House (photo by Marek Jakubowski)



Garden maze – the new object at the Arboretum (photo by Piotr Walendziak)



Collection of tulips - a view from above (photo by Piotr Walendziak)

Seeds collected from plants cultivated outdoors in the Botanic Garden in Lodz in 2020 (* - seeds collected in 2019, ** - seeds collected in 2018)

ACANTHACEAE

1. *Acanthus hungaricus* (Borbás) Baen.

ACERACEAE

2. *Acer campestre* L.
3. *Acer griseum* (Franch.) Pax
4. *Acer negundo* L.
5. *Acer platanoides* L.
6. *Acer pseudoplatanus* L.

ALLIACEAE

7. *Allium pyrenaicum* Costa & Vayr.
8. *Allium subhirsutum* L.
9. *Allium tuberosum* Rottler ex Spreng.
10. *Allium victorialis* L.

ALTINGIACEAE

11. *Liquidambar styraciflua* L. *

ANACARDIACEAE

12. *Cotinus coggygria* 'Purpureus' *
13. *Cotinus coggygria* 'Royal Purple' *
14. *Rhus typhina* L.
15. *Rhus glabra* 'Laciniata'

APIACEAE

16. *Angelica archangelica* L.
17. *Anthriscus sylvestris* (L.) Hoffm. *
18. *Astrantia major* 'Sunningdale Variegated' *
19. *Eryngium campestre* L.
20. *Eryngium caucasicum* Fisch. ex Steud.
21. *Eryngium giganteum* M.Bieb. **
22. *Eryngium xoliverianum* Delarbre *
23. *Eryngium yuccifolium* Michx. *
24. *Foeniculum vulgare* Mill.
25. *Pastinaca sativa* L. *

APOCYNACEAE

26. *Amsonia tabernaemontana* Walter
27. *Apocynum cannabinum* L.

AQUIFOLIACEAE

28. *Ilex aquifolium* L.
29. *Ilex laevigata* (Pursh) A.Gray

ARACEAE

30. *Arisaema amurense* Maxim.
31. *Arisaema triphyllum* (L.) Schott *
32. *Arum italicum* 'Marmoratum'

ARALIACEAE

33. *Eleutherococcus senticosus* (Rupr. ex Maxim.) Maxim. **
34. *Eleutherococcus sessiliflorus* (Rupr. ex Maxim.) S.Y.Hu

ASCLEPIADACEAE

35. *Vincetoxicum hirundinaria* Medik.

ASTERACEAE

36. *Achillea clypeolata* Sibth. et Sm. **
37. *Achillea filipendulina* Lam. *
38. *Achillea filipendulina* 'Parker's Variety'
39. *Achillea macrophylla* L.
40. *Achillea millefolium* L.
41. *Achillea nobilis* L. *
42. *Anaphalis margaritacea* (L.) Benth.
43. *Arctium lappa* L.
44. *Arnica chamissonis* Less. *
45. *Artemisia absinthium* L.
46. *Artemisia vulgaris* L.
47. *Aster alpinus* L.**
48. *Aster alpinus* 'Albus' **
49. *Aster cordifolius* L. *
50. *Aster macrophyllus* L. *
51. *Aster sagittifolius* Wedem. ex Willd. **
52. *Aster tibeticus* Hook. f.**
53. *Balsamita major* Desf. *
54. *Centaurea dealbata* Willd.
55. *Centaurea pulcherrima* Willd. *
56. *Centaurea scabiosa* L.
57. *Cichorium intybus* L. *
58. *Cnicus benedictus* L.**
59. *Coreopsis grandiflora* Nutt. ex Chapm. *
60. *Coreopsis grandiflora* 'Nana'
61. *Coreopsis lanceolata* L.*
62. *Coreopsis palmata* Nutt.
63. *Coreopsis pubescens* Elliott *
64. *Cynara cardunculus* L. *
65. *Echinacea purpurea* (L.) Moench

66. *Echinops horridus* Desf.
 67. *Gaillardia aristata* Pursh *
 68. *Grindelia robusta* Nutt.
 69. *Grindelia squarrosa* (Pursh) Dunal
 70. *Heliopsis helianthoides* var. *scabra* (Dunal) Fernald
 71. *Inula helenium* L.
 72. *Liatris pycnostachya* Michx.**
 73. *Liatris spicata* (L.) Willd.
 74. *Liatris spicata* var. *montana* A.Gray
 75. *Ligularia dentata* (A. Gray) H.Hara *
 76. *Ligularia dentata* 'Desdemona' **
 77. *Ligularia przewalskii* (Maxim.) Diels
 78. *Ligularia stenocephala* (Maxim.) Matsum. et Koidz.**
 79. *Rudbeckia laciniata* L.
 80. *Serratula tinctoria* L. *
 81. *Silphium perfoliatum* L. *
 82. *Silybum marianum* (L.) Gaertn.
 83. *Solidago graminifolia* (L.) Elliott
 84. *Solidago* 'Strahlenkrone'
 85. *Solidago virgaurea* L. **
 86. *Tanacetum parthenium* (L.) Sch.Bip.
 87. *Tanacetum vulgare* L.
 88. *Telekia speciosa* (Schreb.) Baumg. *

BERBERIDACEAE

89. *Berberis julianae* C.K.Schneid.
 90. *Berberis koreana* Palib.
 91. *Berberis* × *ottawensis* 'Silver Miles'
 92. *Berberis thunbergii* 'Atropurpurea'**
 93. *Berberis vulgaris* L.
 94. *Mahonia aquifolium* (Pursh) Nutt.**

BETULACEAE

95. *Alnus glutinosa* (L.) Gaertn.
 96. *Alnus rugosa* (Du Roi) Spreng.
 97. *Betula alleghaniensis* Britton
 98. *Betula fruticosa* Pall.
 99. *Betula obscura* Kotula
 100. *Betula pendula* Roth
 101. *Betula utilis* 'Doorenbos'

BIGNONIACEAE

102. *Catalpa bignonioides* Walter
 103. *Catalpa xerubescens* Carrière
 104. *Catalpa fargesii* fo. *duclouxii* (Dode) Gilmour

105. *Catalpa speciosa* Warder ex Engelm.

BORAGINACEAE

106. *Alkanna tinctoria* L.
 107. *Anchusa officinalis* L.
 108. *Borago officinalis* L.
 109. *Echium vulgare* L. **
 110. *Phacelia tanacetifolia* Benth. *

BRASSICACEAE

111. *Alyssoides urticulata* (L.) Medik.
 112. *Alyssum argenteum* All. *
 113. *Arabis hirsuta* (L.) Scop.
 114. *Aurinaria saxatilis* (L.) Desv. *
 115. *Camelina sativa* (L.) Crantz
 116. *Lunaria annua* L.

CAESALPINIACEAE

117. *Cercis siliquastrum* L. *
 118. *Gleditsia triacanthos* L.
 119. *Gleditsia triacanthos* var. *inermis* Willd.
 120. *Gymnocladus dioica* (L.) K.Koch

CAMPANULACEAE

121. *Campanula alliariifolia* Willd. *
 122. *Campanula hofmannii* (Pantan.) Greuter & Burdet
 123. *Campanula latifolia* L.
 124. *Campanula persicifolia* L.**
 125. *Campsis radicans* (L.) Bureau
 126. *Codonopsis lanceolata* (Siebold et Zucc.) Trautv.**
 127. *Codonopsis pilosula* (Franch.) Nannf.
 128. *Lobelia siphilitica* L. *
 129. *Platycodon grandiflorus* (Jacq.) A.DC.

CANNABACEAE

130. *Humulus lupulus* L. **

CAPRIFOLIACEAE

131. *Kolkwitzia amabilis* Graebn.
 132. *Lonicera alpigena* L. *
 133. *Lonicera henryi* Hemsl.
 134. *Lonicera maackii* (Rupr.) Maxim.
 135. *Lonicera vesicaria* Kom.**
 136. *Sambucus nigra* L.**
 137. *Viburnum edule* (Michx.) Raf. **
 138. *Viburnum lantana* L.**

139. *Viburnum opulus* L.
 140. *Viburnum opulus* 'Xanthocarpum'
 141. *Viburnum rhytidophyllum* Hemsl.

CARYOPHYLLACEAE

142. *Dianthus carthusianorum* L. **
 143. *Dianthus deltoides* L.
 144. *Dianthus spiculifolius* Schur *
 145. *Gypsophila paniculata* L.
 146. *Lychnis coronaria* (L.) Desr. *
 147. *Saponaria officinalis* L.
 148. *Silene otites* Sm.

CELASTRACEAE

149. *Celastrus orbiculatus* Thunb.
 150. *Euonymus bungeanus* Maxim.
 151. *Euonymus europaeus* L.
 152. *Euonymus macropterus* Rupr. *
 153. *Euonymus nanus* M.Bieb.
 154. *Euonymus sacrosanctus* Koidz.**

CLUSIACEAE

155. *Hypericum perforatum* L.

CONVALLARIACEAE

156. *Convallaria majalis* L.

CORNACEAE

157. *Cornus kousa* var. *chinensis* (Osborn) Q.Y.Xiang *
 158. *Cornus mas* L.
 159. *Cornus mas* fo. *sphaerocarpa* L.**
 160. *Cornus sanguinea* L. *

CORYLACEAE

161. *Carpinus betulus* L.
 162. *Carpinus betulus* 'Pendula'
 163. *Carpinus caroliniana* Walter
 164. *Carpinus japonica* Blume *
 165. *Ostrya carpinifolia* Scop.

CRASSULACEAE

166. *Sedum aizoon* L.

CUCURBITACEAE

167. *Bryonia dioica* Jacq.
 168. *Cucurbita pepo* L.

CUPRESSACEAE

169. *Calocedrus decurrens* (Torr.) Florin
 170. *Chamaecyparis lawsoniana* (A.Murray bis) Parl.T *
 171. *Juniperus communis* L. *
 172. *Juniperus sabina* L. *
 173. *Platycladus orientalis* (L.) Franco
 174. *Thuja occidentalis* L.
 175. *Thuja plicata* Donn ex D.Don

CYPERACEAE

176. *Carex plantaginea* Lam.

DIPSACACEAE

177. *Scabiosa japonica* var. *alpina* Takeda *
 178. *Scabiosa japonica* var. *alpina* Takeda *

ELAEAGNACEAE

179. *Cephalaria gigantea* (Ledeb.) Bobrov
 180. *Dipsacus sativus* (L.) Honck.
 181. *Elaeagnus umbellata* Thunb.*

EUCOMIACEAE

182. *Eucommia ulmoides* Oliv.

EUPHORBIACEAE

183. *Ricinus communis* L.
 184. *Securinega suffruticosa* (Pall.) Rehder

FABACEAE

185. *Baptisia australis* (L.) R. Br.
 186. *Colutea arborescens* L. *
 187. *Colutea* x *media* Willd.**
 188. *Dolichos lablab* L.
 189. *Lablab purpureus* (L.) Sweet
 190. *Galega officinalis* L.
 191. *Genista tinctoria* L.
 192. *Glycyrrhiza glabra* L.
 193. *Laburnum alpinum* (Mill.) Bercht. ex J. Presl
 194. *Laburnum* × *watereri* 'Vossii'
 195. *Melilotus alba* Medik.**
 196. *Melilotus officinalis* (L.) Pall. *
 197. *Robinia pseudoacacia* L. *
 198. *Robinia pseudoacacia* 'Unifoliola' *
 199. *Trigonella caerulea* (L.) Ser.
 200. *Wisteria floribunda* (Willd.) DC.

FAGACEAE

201. *Castanea sativa* Mill. *
 202. *Fagus sylvatica* L. *
 203. *Fagus sylvatica* 'Incisa'
 204. *Fagus sylvatica* 'Spaethiana'
 205. *Quercus cerris* L.
 206. *Quercus libani* Olivier
 207. *Quercus pyrenaica* Willd.
 208. *Quercus robur* L.
 209. *Quercus rubra* L.

GLOBULARIACEAE

210. *Globularia repens* Lam. *

HAMAMELIDACEAE

211. *Hamamelis vernalis* Sarg. *

HEMEROCALLIDACEAE

212. *Hemerocallis fulva* L.

HIPPOCASTANACEAE

213. *Aesculus flava* Sol.**
 214. *Aesculus glabra* Willd. *
 215. *Aesculus xhybrida* DC. *
 216. *Aesculus hippocastanum* L.
 217. *Aesculus x neglecta* Lindl.
 218. *Aesculus turbinata* Blume

HOSTACEAE

219. *Hosta undulata* 'Mediovariegata'**

IRIDACEAE

220. *Iris versicolor* L.

JUGLANDACEAE

221. *Juglans ailantifolia* Carrière *
 222. *Pterocarya fraxinifolia* Spach *
 223. *Pterocarya stenoptera* C.DC. *

JUNCACEAE

224. *Luzula sylvatica* (Huds.) Gaudin *

LAMIACEAE

225. *Agastache rugosa* (Fisch. et C.A.Mey.) Kuntze
 226. *Agastache rugosa* 'Golden Jubilee'
 227. *Betonica officinalis* L.
 228. *Callicarpa japonica* Thunb.

229. *Hyssopus officinalis* L.
 230. *Lavandula angustifolia* Mill.
 231. *Lavandula angustifolia* 'Dwarf Blue'
 232. *Lavandula angustifolia* 'Hidcote' **
 233. *Lavandula angustifolia* 'Rosea'*
 234. *Leonurus cardiaca* L.
 235. *Marrubium vulgare* L.
 236. *Melissa officinalis* L. *
 237. *Monarda didyma* L.
 238. *Nepeta cataria* L. *
 239. *Nepeta grandiflora* M.Bieb.
 240. *Origanum vulgare* L.
 241. *Physostegia virginiana* (L.) Benth.
 242. *Prunella hyssopifolia* L.
 243. *Prunella vulgaris* L.
 244. *Prunella xwebbiana* Paul
 245. *Salvia hispanica* L.
 246. *Salvia nemorosa* L.
 247. *Salvia officinalis* L.
 248. *Salvia pratensis* L.
 249. *Salvia sclarea* L.
 250. *Salvia verticillata* L. *
 251. *Satureja hortensis* L. *
 252. *Satureja montana* L. *
 253. *Scutellaria baicalensis* Georgi
 254. *Stachys byzantina* K.Koch
 255. *Stachys grandiflora* (Stev. et Willd.) Benth.
 256. *Stachys grandiflora* 'Violacea' *
 257. *Stachys officinalis* (L.) Trevis. ex Briq.*
 258. *Teucrium chamaedrys* L.
 259. *Teucrium scorodonia* L.
 260. *Thymus pulcherrimus* Schur *

LARDIZABALACEAE

261. *Decaisnea fargesii* Franch. *

LINACEAE

262. *Linum usitatissimum* L. *

LYTHRACEAE

263. *Lythrum salicaria* L.

MAGNOLIACEAE

264. *Magnolia salicifolia* Maxim.**
 265. *Magnolia tripetala* (L.) L.

MALVACEAE

266. *Alcea rosea* 'Summer Carnival'
 267. *Abelmoschus esculentus* (L.) Moench
 268. *Alcea rosea* 'Nigra'
 269. *Althaea officinalis* L.
 270. *Pachira aquatica* Aubl.
 271. *Sida hermaphrodita* (L.) Rusby *

MELANTHIACEAE

272. *Veratrum nigrum* L.

MORACEAE

273. *Maclura pomifera* (Raf.) C.K.Schneid.

MYRICACEAE

274. *Myrica pensylvanica* Mirb.

OLEACEAE

275. *Fontanesia phillyreoides* subsp. *fortunei* (Carrière) Yalt.
 276. *Fraxinus excelsior* L.
 277. *Fraxinus excelsior* 'Pendula'
 278. *Fraxinus ornus* L.**
 279. *Jasminum nudiflorum* Lindl.
 280. *Ligustrum obtusifolium* Siebold et Zucc.
 281. *Ligustrum obtusifolium* var. *regelianum* Rehder *
 282. *Ligustrum vulgare* L. *
 283. *Ligustrum vulgare* 'Chlorocarpum'

ONAGRACEAE

284. *Chamaenerion angustifolium* (L.) Scop.**
 285. *Oenothera biennis* L. *

OSMUNDACEAE

286. *Osmunda regalis* 'Purpurascens'

PAPAVERACEAE

287. *Glaucium corniculatum* (L.) Rudolph
 288. *Glaucium flavum* Crantz
 289. *Macleaya cordata* (Willd.) R.Br. *
 290. *Papaver atlanticum* (Ball) Coss.**
 291. *Papaver orientale* L.*
 292. *Papaver rhoeas* L.

PHYTOLACCACEAE

293. *Phytolacca americana* L.

PINACEAE

294. *Abies nordmaniana* 'Pendula'
 295. *Larix decidua* Mill.
 296. *Larix kaempferii* (Lamb.) Carrière
 297. *Picea abies* f. *chlorocarpa* Th.Fr.
 298. *Picea asperata* Mast.**
 299. *Picea mariana* (Mill.) Britton, Sterns et Poggenb.**
 300. *Picea omorika* (Pančić) Purk.
 301. *Picea orientalis* Link.
 302. *Picea pungens* Engelm.
 303. *Pinus banksiana* Lamb.
 304. *Pinus contorta* Douglas ex Loudon
 305. *Pinus mugo* Turra
 306. *Pinus mugo* 'Grań'
 307. *Pinus nigra* Arnold
 308. *Pinus ponderosa* Douglas ex Lawson et C Lawson *
 309. *Pinus strobus* L. *
 310. *Pinus sylvestris* L. *
 311. *Pinus sylvestris* 'Fastigiata'
 312. *Pseudotsuga menziesii* var. *glauca* (Mayr) Franco **

PLANTAGINACEAE

313. *Penstemon cardinalis* Wooton & Standl.
 314. *Penstemon grandiflorum* Nutt.
 315. *Penstemon hirsutus* (L.) Willd.
 316. *Penstemon lyallii* (A. Gray) A. Gray
 317. *Penstemon ovatus* Douglas
 318. *Penstemon serrulatus* Menzies ex Sm.
 319. *Penstemon wilcoxii* Rydb.
 320. *Plantago lanceolata* L.
 321. *Plantago major* 'Purpurea'**
 322. *Plantago maritima* L. *

PLATANACEAE

323. *Platanus occidentalis* L. *
 324. *Platanus orientalis* L. *

POACEAE

325. *Koeleria glauca* (Schrad.) DC. *

POLEMONIACEAE

326. *Polemonium caeruleum* L.

POLYGONACEAE

327. *Fagopyrum esculentum* Moench

328. *Rumex hydrolapathum* Huds.

PRIMULACEAE

329. *Dodecatheon meadia* L.

330. *Dodecatheon pulchellum* (Raf.) Merr.

331. *Lysimachia vulgaris* L.**

332. *Primula amoena* M. Bieb. *

333. *Primula burmanica* Balf.f. et Kingdon-Ward

334. *Primula elatior* subsp. *ruprechtii*

335. *Primula japonica* 'Miller's Crimson'

RANUNCULACEAE

336. *Actaea dahurica* Turcz. ex Fisch. & C.A. Mey.*

337. *Actaea europaea* (Schipcz.) J.Compton

338. *Actaea racemosa* L.

339. *Actaea spicata* L. *

340. *Anemone baicalensis* Turcz.

341. *Anemone sylvestris* 'Macrantha'

342. *Aquilegia alpina* L. *

343. *Aquilegia x hybrida* 'Biedermeier' *

344. *Aquilegia vulgaris* 'Clementine Blue' *

345. *Aquilegia vulgaris* var. *stellata* 'Green Apples'**

346. *Aquilegia vulgaris* 'Woodside Gold'

347. *Clematis alpina* (L.) Mill

348. *Clematis mandschurica* Rupr.**

349. *Clematis vitalba* L.

350. *Consolida regalis* Gray

351. *Delphinium grandiflorum* L.

352. *Nigella sativa* L.

353. *Pulsatilla vulgaris* Mill.

354. *Pulsatilla vulgaris* 'Rubra'***

355. *Thalictrum dipterocarpum* Franch. *

356. *Trollius europaeus* L.

RHAMNACEAE

357. *Frangula alnus* L.

358. *Rhamnus cathartica* L.

ROSACEAE

359. *Agrimonia eupatoria* L.

360. *Agrimonia striata* L.**

361. *Alchemilla mollis* Rothm.

362. *Alchemilla plicatula* Gand.**

363. *Alchemilla xanthochlora* Rothm.

364. *Aronia melanocarpa* (Michx.) Elliott

365. *Aruncus dioicus* (Walter) Fernald *

366. *Chaenomeles japonica* (Thunb.) Lindl.

367. *Chaenomeles speciosa* (Sweet) Nakai

368. *Chaenomeles xsuperba* 'Vesuvius' *

369. *Cotoneaster acutifolius* Turcz.

370. *Cotoneaster ascendens* (Flinck & B. Hylmö)

371. *Cotoneaster boisianus* Klotz

372. *Cotoneaster bullatus* Bois*

373. *Cotoneaster buxifolius* Wall. ex Lindl.

374. *Cotoneaster dammeri* C.K.Schneid.

375. *Cotoneaster dielsianus* E.Pritz. ex Diels

376. *Cotoneaster foveolatus* Rehder et E.H.Wilson*

377. *Cotoneaster franchetii* Bois *

378. *Cotoneaster giraldii* Flinck et B. Hylmö et G. Klotz

379. *Cotoneaster hissarius* Pojark.

380. *Cotoneaster hjelmqvistii* Flinck et B.Hylmö

381. *Cotoneaster horizontalis* Decne.

382. *Cotoneaster lucidus* Schltdl.

383. *Cotoneaster microphyllus* Wall. ex Lindl.

384. *Cotoneaster nanshan* Mottet*

385. *Cotoneaster niger* (Wahlb.) Fr.

386. *Cotoneaster procumbens* 'Streib's Findling'

387. *Cotoneaster simonsii* Baker

388. *Cotoneaster splendens* Flinck et Hylmö

389. *Cotoneaster xsucicis* 'Coral Beauty'

390. *Cotoneaster* 'Ursynów'

391. *Cotoneaster wardii* W.W.Sm.

392. *Cotoneaster zabelii* C.K.Schneid. *

393. *Crataegus calpodendron* (Ehrh.) Medik. *

394. *Crataegus coccinea* L.

395. *Crataegus crus-galli* L.

396. *Crataegus intricata* Lange *

397. *Crataegus laevigata* (Poir.) DC. *

398. *Crataegus monogyna* Jacq.

399. *Crataegus punctata* 'Aurea'

400. *Crataegus sanguinea* Pall.

401. *Cydonia oblonga* Mill.

402. *Dryas octopetala* L. *

403. *Exochorda korolkowii* Lavallée

404. *Filipendula ulmaria* (L.) Maxim.

405. *Filipendula vulgaris* Moench *

406. *Geum urbanum* L. *

407. *Malus glaucescens* Rehder

408. *Malus* 'Fryderyk Chopin' *

409. *Malus* 'Hohenheimer Riesling' **

410. *Malus* 'Yellow Siberian'

411. *Malus* 'Żelazowa Wola' *

412. *Photinia villosa* (Thunb.) DC.

413. *Physocarpus opulifolius* (L.) Maxim. *

414. *Physocarpus opulifolius* 'Diabolo'

415. *Physocarpus opulifolius* 'Luteus'

416. *Potentilla arguta* Pursh

417. *Potentilla erecta* (L.) Raeusch. *

418. *Potentilla fulgens* Wall. ex Hook.

419. *Potentilla grandiflora* L. *

420. *Potentilla rupestris* var. *pygmaea* Duby *

421. *Prinsepia sinensis* (Oliv.) Oliv. ex Bean *

422. *Prinsepia uniflora* Batalin *

423. *Pyracantha coccinea* 'Lalandei'

424. *Pyracantha coccinea* var. *kuntayi*

425. *Pyracantha* 'Deart's Daffodil'

426. *Pyracantha* 'Orange Glow'

427. *Pyrus salicifolia* Pall.

428. *Rhodothypos scandens* (Thunb.) Makino

429. *Rosa acicularis* Lindl.

430. *Rosa agrestis* Savi

431. *Rosa amblyotis* C.A. Mey.

432. *Rosa arvensis* Huds.

433. *Rosa banksiopsis* Baker *

434. *Rosa beggeriana* Schrenk ex Fisch. & C.A. Mey. *

435. *Rosa blanda* Aiton

436. *Rosa canina* L.

437. *Rosa carolina* L.

438. *Rosa corymbifera* Borkh.

439. *Rosa davurica* Pall.

440. *Rosa dumalis* Bechst.

441. *Rosa filipes* Rehder et E.H.Wilson

442. *Rosa gallica* L.

443. *Rosa glauca* Pourr.

444. *Rosa inodora* Fr.

445. *Rosa jundzillii* Besser

446. *Rosa majalis* Herrm.

447. *Rosa maximowicziana* Regel

448. *Rosa micrantha* Borrer ex Sm.

449. *Rosa moysesii* Hemsli. et E.H.Wilson

450. *Rosa moschata* Mill.

451. *Rosa multiflora* T.T. Yu & T.C. Ku

452. *Rosa multiflora* 'Inermis'

453. *Rosa nitida* Willd.

454. *Rosa nutkana* Pall.

455. *Rosa pimpinellifolia* L.

456. *Rosa pisocarpa* A. Gray

457. *Rosa roxburghii* Tratt.

458. *Rosa roxburghii* var. *hirtula* Rehder et E.H. Wilson

459. *Rosa rubiginosa* L.

460. *Rosa rugosa* Thunb.

461. *Rosa rugosa* 'Alba'

462. *Rosa sempervirens* L.

463. *Rosa setigera* Michx.

464. *Rosa stylosa* Desv.

465. *Rosa tomentosa* Sm.

466. *Rosa virginiana* Mill.

467. *Rosa woodsii* Lindl.

468. *Sanguisorba canadensis* L.

469. *Sanguisorba officinalis* L.

470. *Sorbus xarnoldiana* 'Golden Wonder'

471. *Sorbus discolor* (Maxim.) Maxim.

472. *Sorbus domestica* L.

473. *Sorbus intermedia* (Ehrh.) Pers.**

474. *Sorbus koehneana* C.K.Schneid.*

475. *Sorbus* 'Pink Veil'

RUBIACEAE

476. *Asperula cynanchica* L.**

477. *Cephalanthus occidentalis* L.

RUTACEAE

478. *Dictamnus albus* L.

479. *Phellodendron amurense* Rupr.

480. *Ptelea trifoliata* L.

481. *Ruta graveolens* L.

SAXIFRAGACEAE

482. *Heuchera cylindrica* Dougl. ex Hook. *

483. *Heuchera pilosissima* Benth.

484. *Heuchera richardsonii* R.Br.

485. *Heuchera sanguinea* Engelm.

486. *Tiarella cordifolia* L.

SCHISANDRACEAE

487. *Schisandra chinensis* (Turcz.) Baill. *

SCROPHULARIACEAE

488. *Digitalis grandiflora* Mill.

489. *Digitalis lanata* Ehrh.

490. *Digitalis lutea* L. *

491. *Digitalis purpurea* L.

492. *Paulownia tomentosa* (Thunb.) Steud. *
 493. *Scrophularia nodosa* L.
 494. *Verbascum bombyciferum* Boiss. *
 495. *Verbascum thapsus* L. *
 496. *Veronica caucasica* M.Bieb.
 497. *Veronica spicata* 'Nana' *
 498. *Veronica spicata* 'Sightseeing' **

SOLANACEAE

499. *Atropa belladonna* L.
 500. *Datura stramonium* L.
 501. *Hyoscyamus niger* L. *
 502. *Nicotiana glauca* Link et Otto *
 503. *Nicotiana glauca* L. *
 504. *Physalis alkekengi* L. *
 505. *Solanum dulcamara* L.

STAPHYLEACEAE

506. *Staphylea trifolia* L.
 507. *Halesia monticola* (Rehder) Sarg. **

TAXACEAE

508. *Taxus baccata* L.
 509. *Taxus baccata* 'Elegantissima' *
 510. *Taxus cuspidata* Siebold & Zucc. **

TAXODIACEAE

511. *Taxodium distichum* (L.) Rich. *

TILIACEAE

512. *Tilia americana* 'Macrophylla'
 513. *Tilia cordata* Mill.
 514. *Tilia platyphyllos* Scop.
 515. *Tilia tomentosa* Moench

ULMACEAE

516. *Celtis australis* L.
 517. *Celtis glabrata* Steven ex Planch.
 518. *Celtis occidentalis* L. *
 519. *Ulmus parvifolia* Jacq.

URTICACEAE

520. *Parietaria officinalis* L. *

VALERIANACEAE

521. *Valeriana officinalis* L. *

VERBENACEAE

522. *Verbena officinalis* L. *

VITACEAE

523. *Ampelopsis brevipedunculata* (Maxim.)
 Trautv.
 524. *Vitis riparia* Michx. **

Index Seminarium 2020 is also available on our website: www.botaniczny.lodz.pl

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DESIDERATA

Agreement on the supply of plant material

Since the Convention on Biological Diversity (Rio de Janeiro, 1992) entered into force, it has become necessary for botanic gardens to comply in particular with Article 15 (Access to genetic resources), especially in connection with the exchange of plant material.

Accordingly, the garden only passes on plant material under the condition that the user acts in the spirit of the Convention on Biological Diversity. The garden is dedicated to the conservation, sustainable use and research of biological diversity. With regard to the acquisition, maintenance and supply of plant material, the garden therefore expects its partners to act in a manner that is consistent to the letter and the spirit of the Biodiversity Convention on International Trade in Endangered Species (CITES) and in compliance with all relevant conventions and laws relating to the protection of Biological diversity.

Consequently, only those persons and institutions who accept the following conditions will receive plant material from garden's collection:

1. On the basis of this agreement, the material is intended to serve the common good, particularly scientific study, education and the interests of environmental protection.
2. Upon accepting plant material from the garden, the recipient is obliged to document and preserve information relating to the material appropriately.
3. In the event that scientific publications on the plant material provided are produced, the origin of the material is to be cited. In addition, these publications are expected to be sent to the garden automatically, without request.
4. Intended commercial use by the recipient is not covered by this agreement. The commercialization is the object of a separate agreement with the country of origin. This agreement underlies the provisions of the CBD, i. e. the user is obliged to share benefits with the country of origin and to forward relevant information to the authority instructed with the implementation of the CBD.
5. The garden will forward information on the material supply on the request to authority instructed with the implementation of the CBD¹.
6. Plant material may only be supplied on the basis and under the condition of this corresponding agreement.

I accept the above conditions.

Date, Signature

Name and address, stamp

¹in the ideal case the National Focal Point of the country of Botanic Garden



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Your address:

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Please, limit Your order to 20 different seeds.

Desiderata with the signed Agreement should be sent by post or by mail until 30th April 2021.