

# Hortus Botanicus Lodziensis

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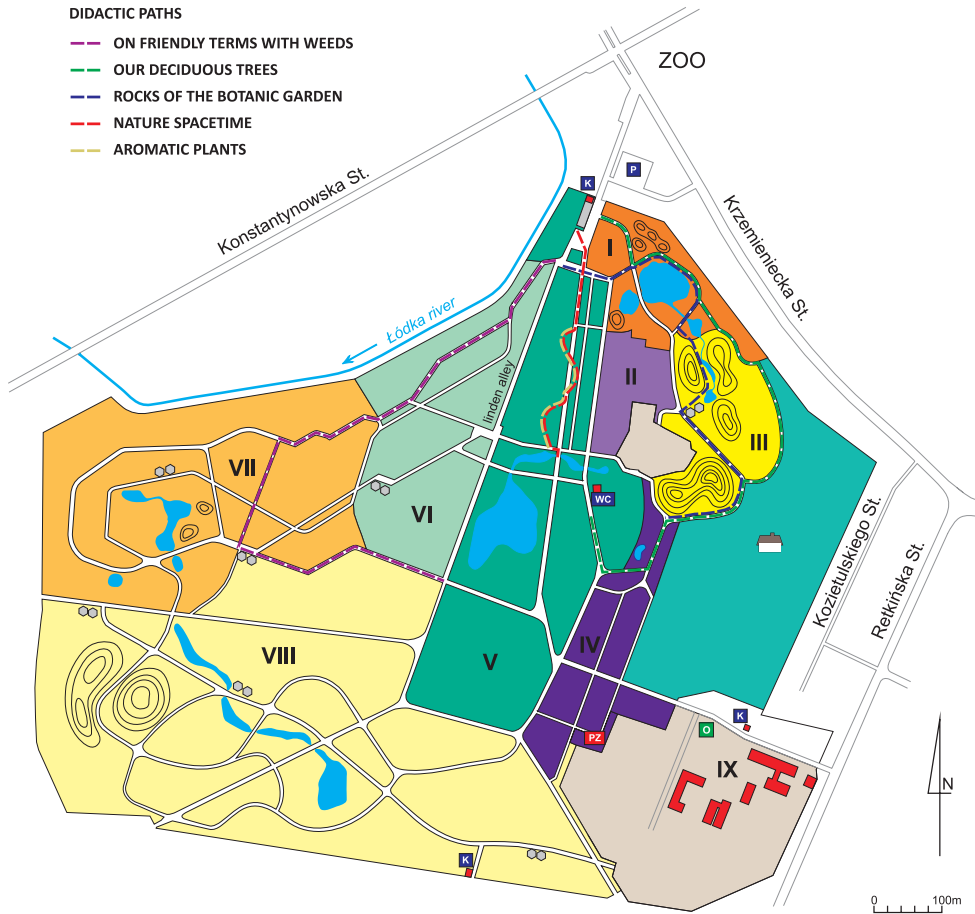
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## The Botanic Garden in Lodz



- I** JAPANESE GARDEN
- II** PLANT TAXONOMY SECTION
- III** ALPINE GARDEN
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- VI** MEDICINAL PLANT SECTION
- VII** POLISH FLORA SECTION
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- 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 1998 to 2017	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: 606,3 mm	

Meteorological data for 2018	Date
Annual average air temperature: +9,9°C	
Maximum air temperature: +32,3°C	09.08.2018
Minimum air temperature: -17,9°C	27.02.2018
Annual precipitation: 520,3 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 about 3500 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 (2170 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 tulips in 2019 (photo K.Kolasińska)



Wicker sculpture by Jette Mellgren - Bird nest installation, created during the wicker plein air in 2019 (photo K.Kolasińska)



Historic linden alley in spring (photo K.Kolasińska)





*Taxodium distichum* (L.) Rich. (photo K.Kolasińska)



*Nigella damascena* L. (photo K.Kolasińska)

Seeds collected from plants cultivated outdoors in the Botanic Garden in Lodz in 2019  
(\* - seeds collected in 2018, \*\* - seeds collected in 2017)

**ACANTHACEAE**

1. *Acanthus hungaricus* (Borbás) Baen.

**ACERACEAE**

2. *Acer campestre* L.
3. *Acer negundo* L.
4. *Acer platanoides* L.\*
5. *Acer pseudoplatanus* L.

**ALLIACEAE**

6. *Allium pyrenaicum* Costa & Vayr.
7. *Allium tibeticum* Rendle \*\*
8. *Allium tuberosum* Rottler ex Spreng.
9. *Allium victorialis* L.

**ALTINGIACEAE**

10. *Liquidambar styraciflua* L.

**ANACARDIACEAE**

11. *Cotinus coggygia* 'Purpureus'
12. *Cotinus coggygia* 'Royal Purple'
13. *Rhus typhina* L.\*

**ANTHERICACEAE**

14. *Anthericum ramosum* L. \*\*

**APIACEAE**

15. *Angelica archangelica* L.
16. *Anthriscus sylvestris* (L.) Hoffm.
17. *Astrantia carniolica* Jacq. \*\*
18. *Astrantia major* 'Sunningdale Variegated'
19. *Astrantia major* 'Venice'
20. *Carum carvi* 'Rekord' \*\*
21. *Coriandrum sativum* L. \*\*
22. *Eryngium caeruleum* M.Bieb. \*\*
23. *Eryngium campestre* L.
24. *Eryngium xoliverianum* Delarbre
25. *Eryngium yuccifolium* Michx.
26. *Foeniculum vulgare* Mill.
27. *Levisticum officinale* W.D.J. Koch \*\*
28. *Pastinaca sativa* L.

**APOCYNACEAE**

29. *Apocynum cannabinum* L.

**AQUIFOLIACEAE**

30. *Ilex aquifolium* L.\*
31. *Ilex laevigata* (Pursh) A.Gray \*

**ARACEAE**

32. *Arisaema triphyllum* (L.) Schott
33. *Arum italicum* 'Marmoratum'

**ARALIACEAE**

34. *Eleutherococcus senticosus* (Rupr. ex Maxim.) Maxim.\*

**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. *Acmella oleracea* (L.) R.K. Jansen \*\*
43. *Anaphalis margaritacea* (L.) Benth.
44. *Arctium lappa* L.
45. *Arnica chamissonis* Less.
46. *Artemisia absinthium* L.
47. *Artemisia vulgaris* L.
48. *Aster alpinus* L.\*
49. *Aster alpinus* 'Albus' \*
50. *Aster cordifolius* L.
51. *Aster macrophyllus* L.
52. *Aster sagittifolius* Wedem. ex Willd.\*
53. *Aster tibeticus* Hook. f.\*
54. *Balsamita major* Desf.
55. *Carthamus tinctorius* L. \*\*
56. *Centaurea macrocephala* Muss. Puschk. ex Willd. \*\*
57. *Centaurea pulcherrima* Willd.
58. *Cichorium intybus* L.
59. *Cnicus benedictus* L.\*
60. *Coreopsis grandiflora* Nutt. ex Chapm.
61. *Coreopsis grandiflora* 'Sunray' \*\*
62. *Coreopsis lanceolata* L. \*\*
63. *Coreopsis palmata* Nutt.
64. *Coreopsis pubescens* Elliott
65. *Cynara cardunculus* L.
66. *Echinacea purpurea* (L.) Moench
67. *Echinops horridus* Desf.\*
68. *Erigeron caucasicus* subsp. *venustus* Grierson \*\*
69. *Gaillardia aristata* Pursh
70. *Grindelia squarrosa* (Pursh) Dunal
71. *Helianthus helianthoides* var. *Scabra* \*\*



72. *Helichrysum arenarium* (L.) Moench\*  
 73. *Inula helenium* L.  
 74. *Liatris pycnostachya* Michx.\*  
 75. *Liatris spicata* (L.) Willd.\*  
 76. *Liatris spicata* var. *montana* A.Gray\*  
 77. *Ligularia dentata* (A. Gray) H.Hara  
 78. *Ligularia dentata* 'Desdemona' \*  
 79. *Ligularia przewalskii* (Maxim.) Diels  
 80. *Ligularia stenocephala* (Maxim.) Matsum. et Koidz.\*  
 81. *Ligularia veitchiana* (Hemsl.) Greenm.  
 82. *Serratula tinctoria* L.  
 83. *Silphium perfoliatum* L.  
 84. *Silybum marianum* (L.) Gaertn.  
 85. *Solidago* `Strahlenkrone`  
 86. *Solidago virgaurea* L. \*  
 87. *Tanacetum parthenium* (L.) Sch.Bip.  
 88. *Tanacetum vulgare* L.  
 89. *Telekia speciosa* (Schreb.) Baumg.

#### BERBERIDACEAE

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

#### BETULACEAE

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

#### BIGNONIACEAE

102. *Catalpa bignonioides* Walter  
 103. *Catalpa xerubescens* Carrière  
 104. *Catalpa fargesii* fo. *duclouxii* (Dode) Gilmour  
 105. *Catalpa speciosa* Warder ex Engelm.

#### BORAGINACEAE

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

#### BRASSICACEAE

110. *Alyssum argenteum* All.  
 111. *Alyssum armenum* Boiss.\*\*  
 112. *Aurinaria saxatilis* (L.) Desv.  
 113. *Camelina sativa* (L.) Crantz

#### CAESALPINIACEAE

114. *Cercis siliquastrum* L.  
 115. *Gleditsia triacanthos* L.  
 116. *Gleditsia triacanthos* var. *inermis* Willd.  
 117. *Gymnocladus dioica* (L.) K.Koch

#### CAMPANULACEAE

118. *Campanula alliariifolia* Willd.  
 119. *Campanula persicifolia* L.\*  
 120. *Campsis radicans* (L.) Bureau  
 121. *Codonopsis lanceolata* (Siebold et Zucc.) Trautv.\*  
 122. *Codonopsis pilosula* (Franch.) Nannf.  
 123. *Lobelia siphilitica* L.  
 124. *Platycodon grandiflorus* (Jacq.) A.DC.

#### CANNABACEAE

125. *Humulus lupulus* L.

#### CAPRIFOLIACEAE

126. *Kolkwitzia amabilis* Graebn.  
 127. *Lonicera alpigena* L.  
 128. *Lonicera maackii* (Rupr.) Maxim.  
 129. *Lonicera vesicaria* Kom.\*  
 130. *Sambucus nigra* L.\*  
 131. *Viburnum edule* (Michx.) Raf. \*  
 132. *Viburnum lantana* L.\*  
 133. *Viburnum opulus* L.  
 134. *Viburnum opulus* 'Xanthocarpum'  
 135. *Viburnum rhytidophyllum* Hemsl.

#### CARYOPHYLLACEAE

136. *Dianthus spiculifolius* Schur  
 137. *Lychnis coronaria* (L.) Desr.  
 138. *Lychnis coronaria* `Oculata` \*\*  
 139. *Saponaria officinalis* L.\*  
 140. *Silene otites* Sm.

#### CELASTRACEAE

141. *Celastrus orbiculatus* Thunb.  
 142. *Euonymus bungeanus* Maxim.  
 143. *Euonymus europaeus* L.  
 144. *Euonymus macropterus* Rupr.  
 145. *Euonymus nanus* M.Bieb.\*  
 146. *Euonymus sacrosanctus* Koidz.\*

#### CISTACEAE

147. *Helianthemum* 'Sterntaler'\*

#### CLUSIACEAE

148. *Hypericum perforatum* L.

#### CORNACEAE

149. *Cornus amomum* Mill.\*\*  
 150. *Cornus kousa* var. *chinensis* (Osborn)

Q.Y.Xiang

151. *Cornus mas* L.  
 152. *Cornus mas* fo. *sphaerocarpa* L.\*  
 153. *Cornus mas* `Florianka`\*\*  
 154. *Cornus mas* `Golden Glory`\*\*  
 155. *Cornus mas* `Jolico`\*\*  
 156. *Cornus mas* `Kotula`\*\*  
 157. *Cornus mas* `Pyramidalis`\*\*  
 158. *Cornus mas* `Schonbrunner Gourmet-Dindl`\*\*  
 159. *Cornus mas* `Swietlana`\*\*  
 160. *Cornus sanguinea* L.

#### CORYLACEAE

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

#### CUCURBITACEAE

165. *Bryonia dioica* Jacq.

#### CUPRESSACEAE

166. *Chamaecyparis lawsoniana* (A.Murray bis) Parl.T  
 167. *Juniperus communis* L.  
 168. *Juniperus sabina* L.  
 169. *Platycladus orientalis* (L.) Franco\*  
 170. *Thuja occidentalis* L.  
 171. *Thuja plicata* Donn ex D.Don

#### DIPSACACEAE

172. *Scabiosa japonica* var. *alpina* Takeda  
 173. *Scabiosa pyrenaica* All.\*\*

#### ELAEAGNACEAE

174. *Elaeagnus angustifolia* L.  
 175. *Elaeagnus umbellata* Thunb.\*

#### EUCOMIACEAE

176. *Eucommia ulmoides* Oliv.

#### EUPHORBIACEAE

177. *Ricinus communis* L.  
 178. *Securinega suffruticosa* (Pall.) Rehder \*

#### FABACEAE

179. *Colutea arborescens* L.  
 180. *Colutea* × *media* Willd.\*  
 181. *Galega officinalis* L.  
 182. *Genista tinctoria* L.  
 183. *Glycyrrhiza glabra* L.  
 184. *Laburnum alpinum* (Mill.) Bercht. ex J. Presl  
 185. *Melilotus alba* Medik.\*

186. *Melilotus officinalis* (L.) Pall.  
 187. *Robinia pseudoacacia* L.  
 188. *Robinia pseudoacacia* 'Unifoliola'  
 189. *Wisteria floribunda* (Willd.) DC.

#### FAGACEAE

190. *Castanea sativa* Mill.  
 191. *Fagus sylvatica* L.

#### GLOBULARIACEAE

192. *Globularia repens* Lam.

#### HAMAMELIDACEAE

193. *Hamamelis vernalis* Sarg.

#### HIPPOCASTANACEAE

194. *Aesculus flava* Sol.\*  
 195. *Aesculus glabra* Willd.  
 196. *Aesculus* × *glaucescens* Sarg.  
 197. *Aesculus* × *hybrida* DC.  
 198. *Aesculus hippocastanum* L.  
 199. *Aesculus turbinata* Blume

#### HOSTACEAE

200. *Hosta undulata* `Mediovariegata`\*

#### JUGLANDACEAE

201. *Juglans ailantifolia* Carrière  
 202. *Pterocarya fraxinifolia* Spach  
 203. *Pterocarya stenoptera* C.DC.

#### JUNCACEAE

204. *Luzula sylvatica* (Huds.) Gaudin

#### LAMIACEAE

205. *Agastache rugosa* (Fisch. et C.A.Mey.) Kuntze  
 206. *Betonica officinalis* L.  
 207. *Callicarpa japonica* Thunb.  
 208. *Hyssopus officinalis* L.  
 209. *Lavandula angustifolia* Mill.  
 210. *Lavandula angustifolia* `Alba`\*  
 211. *Lavandula angustifolia* 'Hidcote' \*  
 212. *Lavandula angustifolia* `Rosea`\*  
 213. *Leonurus cardiaca* L.  
 214. *Marrubium vulgare* L.  
 215. *Melissa officinalis* L.  
 216. *Nepeta cataria* L.  
 217. *Nepeta grandiflora* M.Bieb.  
 218. *Origanum vulgare* L.\*  
 219. *Prunella grandiflora* 'Alba'  
 220. *Prunella hyssopifolia* L.  
 221. *Prunella vulgaris* L.  
 222. *Prunella* × *webbiana* Paul  
 223. *Salvia nemorosa* L.



224. *Salvia officinalis* L.  
 225. *Salvia pratensis* L.\*  
 226. *Salvia sclarea* L.  
 227. *Salvia verticillata* L.  
 228. *Satureja hortensis* L.  
 229. *Satureja montana* L.  
 230. *Scutellaria baicalensis* Georgi  
 231. *Stachys byzantina* K.Koch  
 232. *Stachys grandiflora* `Violacea`\*  
 233. *Stachys officinalis* (L.) Trevis. ex Briq.\*\*  
 234. *Teucrium chamaedrys* L.  
 235. *Teucrium scorodonia* L.  
 236. *Thymus pulcherrimus* Schur

#### LARDIZABALACEAE

237. *Decaisnea fargesii* Franch.

#### LINACEAE

238. *Linum usitatissimum* L.

#### LYTHRACEAE

239. *Lythrum salicaria* L.

#### MAGNOLIACEAE

240. *Magnolia salicifolia* Maxim.\*  
 241. *Magnolia tripetala* (L.) L.\*

#### MALVACEAE

242. *Alcea rosea* `Chater`s Gelb`\*\*  
 243. *Alcea rosea* 'Nigra'  
 244. *Althaea officinalis* L.\*  
 245. *Malva neglecta* Wallr. \*\*  
 246. *Sida hermaphrodita* (L.) Rusby

#### MORACEAE

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

#### MYRICACEAE

248. *Myrica pensylvanica* Mirb.

#### OLEACEAE

249. *Fontanesia phillyreoides* subsp. *fortunei* (Carrière) Yalt.  
 250. *Fraxinus excelsior* L.  
 251. *Fraxinus ornus* L.\*  
 252. *Jasminum nudiflorum* Lindl.  
 253. *Ligustrum obtusifolium* Siebold et Zucc.\*  
 254. *Ligustrum obtusifolium* var. *regelianum* Rehder \*  
 255. *Ligustrum vulgare* L.  
 256. *Ligustrum vulgare* 'Chlorocarpum'

#### ONAGRACEAE

257. *Chamaenerion angustifolium* (L.) Scop.\*  
 258. *Oenothera biennis* L.

#### OSMUNDACEAE

259. *Osmunda regalis* `Purpurascens`

#### PAPAVERACEAE

260. *Glaucium flavum* Crantz  
 261. *Macleaya cordata* (Willd.) R.Br.  
 262. *Papaver atlanticum* (Ball) Coss.\*  
 263. *Papaver lapponicum* (Tolm.) Nordh.\*\*  
 264. *Papaver nudicaule* L.\*\*  
 265. *Papaver orientale* L.\*

#### PHYTOLACCACEAE

266. *Phytolacca americana* L.

#### PINACEAE

267. *Larix decidua* Mill.  
 268. *Larix kaempferii* (Lamb.) Carrière  
 269. *Picea abies* f. *chlorocarpa* Th.Fr.  
 270. *Picea asperata* Mast.\*  
 271. *Picea mariana* (Mill.) Britton, Sterns et Poggenb.\*\*  
 272. *Picea omorika* (Pančić) Purk.\*  
 273. *Picea orientalis* Link.\*\*  
 274. *Picea pungens* Engelm.\*\*  
 275. *Pinus armandii* Franch.\*  
 276. *Pinus mugo* Turra  
 277. *Pinus nigra* Arnold  
 278. *Pinus ponderosa* Douglas ex Lawson et C.Lawson  
 279. *Pinus strobus* L.  
 280. *Pinus sylvestris* L.  
 281. *Pseudotsuga menziesii* var. *glauca* (Mayr) Franco \*

#### PLANTAGINACEAE

282. *Penstemon grandiflorum* Nutt.  
 283. *Penstemon ovatus* Douglas  
 284. *Penstemon serrulatus* Menzies ex Sm.  
 285. *Penstemon wilcoxii* Rydb.  
 286. *Plantago lanceolata* L.  
 287. *Plantago major* 'Purpurea'\*  
 288. *Plantago maritima* L.

#### PLATANACEAE

289. *Platanus occidentalis* L.  
 290. *Platanus orientalis* L.

#### POACEAE

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

#### POLYGONACEAE

292. *Rumex hydrolapathum* Huds.

#### PRIMULACEAE

293. *Dodecatheon pulchellum* (Raf.) Merr.\*

294. *Lysimachia vulgaris* L.\*  
 295. *Primula amoena* M. Bieb.  
 296. *Primula japonica* `Miller`s Crimson`

#### RANUNCULACEAE

297. *Actaea dahurica* Turcz. ex Fisch. & C.A. Mey.\*  
 298. *Actaea racemosa* L.  
 299. *Anemone sylvestris* 'Macrantha'  
 300. *Aquilegia alpina* L.  
 301. *Aquilegia* 'Green Apple`s`\*  
 302. *Aquilegia* 'Nora Barlow'\*  
 303. *Aquilegia x hybrida* 'Biedermeier'  
 304. *Aquilegia vulgaris* 'Clementine Blue'  
 305. *Aquilegia vulgaris* 'Woodside Gold'  
 306. *Clematis mandschurica* Rupr.\*  
 307. *Clematis vitalba* L.\*  
 308. *Consolida regalis* Gray  
 309. *Delphinium x cultorum*  
 310. *Delphinium grandiflorum* L.  
 311. *Helleborus niger* L.\*\*  
 312. *Nigella sativa* L.  
 313. *Pulsatilla vulgaris* 'Rubra'\*  
 314. *Thalictrum dipterocarpum* Franch.

#### RHAMNACEAE

315. *Frangula alnus* L.  
 316. *Rhamnus cathartica* L.

#### ROSACEAE

317. *Agrimonia eupatoria* L.  
 318. *Agrimonia striata* L.\*  
 319. *Alchemilla monticola* Opiz\*  
 320. *Alchemilla plicatula* Gand.\*\*  
 321. *Alchemilla xanthochlora* Rothm.  
 322. *Aronia melanocarpa* (Michx.) Elliott  
 323. *Aruncus dioicus* (Walter) Fernald  
 324. *Chaenomeles japonica* (Thunb.) Lindl.  
 325. *Chaenomeles speciosa* (Sweet) Nakai  
 326. *Chaenomeles xsuperba* 'Vesuvius'  
 327. *Cotoneaster ascendens* (Flinck & B. Hylmö)  
 328. *Cotoneaster bullatus* Bois\*  
 329. *Cotoneaster buxifolius* Wall. ex Lindl.  
 330. *Cotoneaster dammeri* C.K.Schneid.  
 331. *Cotoneaster dielsianus* E.Pritz. ex Diels  
 332. *Cotoneaster foveolatus* Rehder et E.H.Wilson\*  
 333. *Cotoneaster franchetii* Bois  
 334. *Cotoneaster hjelmqvistii* Flinck et B.Hylmö  
 335. *Cotoneaster horizontalis* Decne.  
 336. *Cotoneaster lucidus* Schldl.  
 337. *Cotoneaster microphyllus* Wall. ex Lindl.  
 338. *Cotoneaster nanshan* Mottet\*  
 339. *Cotoneaster niger* (Wahlb.) Fr.
340. *Cotoneaster splendens* Flinck et Hylmö  
 341. *Cotoneaster* 'Ursynów'  
 342. *Cotoneaster zabelii* C.K.Schneid.  
 343. *Crataegus calpodendron* (Ehrh.) Medik.  
 344. *Crataegus crus-galli* L.  
 345. *Crataegus intricata* Lange  
 346. *Crataegus laevigata* (Poir.) DC.  
 347. *Crataegus monogyna* Jacq.  
 348. *Crataegus pedicellata* Sarg.  
 349. *Crataegus punctata* 'Aurea'  
 350. *Crataegus sanguinea* Pall.  
 351. *Cydonia oblonga* Mill.  
 352. *Dryas octopetala* L.  
 353. *Exochorda korolkowii* Lavallée  
 354. *Filipendula ulmaria* (L.) Maxim.  
 355. *Filipendula vulgaris* Moench  
 356. *Geum rivale* L.\*\*  
 357. *Geum urbanum* L.  
 358. *Malus glaucescens* Rehder\*  
 359. *Malus* `Fryderyk Chopin`  
 360. *Malus* `Hohenheimer Riesling`\*  
 361. *Malus* `Red sentinel`\*  
 362. *Malus* `Syberian`  
 363. *Malus toringo* var. *sargentii* C.K.Schneid.\*\*  
 364. *Malus* `Żelazowa Wola`\*  
 365. *Photinia villosa* (Thunb.) DC.  
 366. *Physocarpus opulifolius* (L.) Maxim.  
 367. *Physocarpus opulifolius* 'Diabolo'  
 368. *Physocarpus opulifolius* 'Luteus'  
 369. *Potentilla erecta* (L.) Raeusch.  
 370. *Potentilla grandiflora* L.  
 371. *Potentilla rupestris* var. *pygmaea* Duby  
 372. *Prinsepia sinensis* (Oliv.) Oliv. ex Bean  
 373. *Prinsepia uniflora* Batalin  
 374. *Pyrus serotina* Ehrh.\*  
 375. *Pyracantha coccinea* 'Lalandei'  
 376. *Pyracantha coccinea* var. *kuntayi*  
 377. *Pyracantha* 'Deart`s Daffodil'  
 378. *Pyracantha* 'Orange Glow'  
 379. *Pyrus salicifolia* Pall.\*  
 380. *Rhodothypos scandens* (Thunb.) Makino\*  
 381. *Rosa amblyotis* C.A. Mey.  
 382. *Rosa banksiopsis* Baker  
 383. *Rosa beggeriana* Schrenk ex Fisch. & C.A. Mey.  
 384. *Rosa blanda* Aiton  
 385. *Rosa canina* L.  
 386. *Rosa davurica* Pall.  
 387. *Rosa fedtschenkoana* Regel  
 388. *Rosa filipes* Rehder et E.H.Wilson  
 389. *Rosa gallica* L.  
 390. *Rosa glauca* Pourr.  
 391. *Rosa majalis* Herrm.  
 392. *Rosa moyesii* Hemsl. et E.H.Wilson  
 393. *Rosa multiflora* T.T. Yu & T.C. Ku



394. *Rosa nutkana* Pall.  
 395. *Rosa pimpinellifolia* L.  
 396. *Rosa pisocarpa* A. Gray  
 397. *Rosa roxburghii* Tratt.  
 398. *Rosa roxburghii* var. *hirtula* Rehder et E.H. Wilson  
 399. *Rosa rubiginosa* L. \*  
 400. *Rosa rugosa* Thunb.  
 401. *Rosa rugosa* 'Alba'  
 402. *Rosa woodsii* Lindl.  
 403. *Sanguisorba officinalis* L.\*  
 404. *Sorbus ×arnoldiana* 'Golden Wonder'  
 405. *Sorbus discolor* (Maxim.) Maxim.  
 406. *Sorbus domestica* L.  
 407. *Sorbus intermedia* (Ehrh.) Pers.\*\*  
 408. *Sorbus koehneana* C.K.Schneid.\*  
 409. *Sorbus* 'Pink Veil'

#### RUBIACEAE

410. *Asperula cynanchica* L.\*  
 411. *Cephalanthus occidentalis* L.

#### RUTACEAE

412. *Phellodendron amurense* Rupr.  
 413. *Ptelea trifoliata* L.  
 414. *Ruta graveolens* L.

#### SAXIFRAGACEAE

415. *Heuchera chlorantha* Piper\*\*  
 416. *Heuchera cylindrica* Dougl. ex Hook.  
 417. *Heuchera micrantha* var. *diversifolia* (Rydb.) Rosend., Butters et Lakela \*\*  
 418. *Heuchera richardsonii* R.Br.  
 419. *Mitella ovalis* Greene\*\*  
 420. *Tiarella cordifolia* L.

#### SCHISANDRACEAE

421. *Schisandra chinensis* (Turcz.) Baill.\*

#### SCROPHULARIACEAE

422. *Digitalis lanata* Ehrh.  
 423. *Digitalis lutea* L.  
 424. *Digitalis purpurea* L.  
 425. *Paulownia tomentosa* (Thunb.) Steud.  
 426. *Scrophularia nodosa* L.  
 427. *Verbascum bombyciferum* Boiss.  
 428. *Verbascum thapsus* L.  
 429. *Veronica spicata* 'Nana'  
 430. *Veronica spicata* 'Sightseeing'\*

#### SOLANACEAE

431. *Datura stramonium* L.  
 432. *Hyoscyamus niger* L.  
 433. *Nicotiana alata* Link et Otto  
 434. *Nicotiana tabacum* L.

435. *Physalis alkekengi* L.  
 436. *Solanum dulcamara* L.\*

#### STAPHYLEACEAE

437. *Staphylea colchica* Steven  
 438. *Halesia monticola* (Rehder) Sarg.\*

#### TAXACEAE

439. *Taxus baccata* L.\*  
 440. *Taxus baccata* 'Elegantissima'  
 441. *Taxus cuspidata* Siebold & Zucc.\*

#### TAXODIACEAE

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

#### TILIACEAE

443. *Tilia americana* 'Macrophylla'  
 444. *Tilia cordata* Mill.  
 445. *Tilia platyphyllos* Scop.

#### TROPAEOLACEAE

446. *Tropaeolum majus* L.\*\*

#### ULMACEAE

447. *Celtis australis* L.  
 448. *Celtis glabrata* Steven ex Planch.  
 449. *Celtis occidentalis* L.

#### URTICACEAE

450. *Parietaria officinalis* L.

#### VALERIANACEAE

451. *Valeriana officinalis* L.

#### VERBENACEAE

452. *Verbena officinalis* L. \*

#### VITACEAE

453. *Ampelopsis brevipedunculata* (Maxim.) Trautv.  
 454. *Vitis riparia* Michx.\*

Index Seminarium 2019 is also available on our website: [www.botaniczny.lodz.pl](http://www.botaniczny.lodz.pl)

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**DESIDERATA**

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**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 CBD<sup>1</sup>.
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**

<sup>1</sup>in the ideal case the National Focal Point of the country of Botanic Garden



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**Your address:**

Please, limit Your order to 20 different seeds or cuttings.


Desiderata with the signed Agreement should be sent by post or by mail until 31st May 2020.