

HORTUS BOTANICUS UNIVERSITATIS SOPHIENSIS
NOMINE CLEMENTIS OCHRIDENSIS PRO MUTUA
COMMUTATIONE OFFERT ANNO 2017 COLLECTORUM

2018

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125 YEARS UNIVERSITY
BOTANIC GARDENS

UNIVERSITY
BOTANIC
GARDENS



УНИВЕРСИТЕТСКИ
БОТАНИЧЕСКИ
ГРАДИНИ

Source data:

Delipavlov D, Ed. in chief, (2011): Guide of plants in Bulgaria, Academically.publishing house of Agricultural University – Plovdiv.

Gramatikov D. (1992): Guide of trees and shrubs in Bulgaria, IntelSys, Plovdiv.

Jordanov D., Ed. in chief, (1963 – 2012): Flora Reipublicae Popularis Bulgaricae, Acad.Sci.Bulg.,Serdicae (In 11 Volumes).

Stojanov N., Stefanov B. et Kitanov B.,(1966): Flora Bulgarica, Nauka i iskustvo, Sophia.

All seeds are result of an open pollination.

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**UNIVERSITY BOTANIC GARDENS SOFIA, VARNA, BALCHIK
BULGARIA**

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City	Year of foundation	Area	Location	Altitude	Average rainfall
SOFIA	1892	0.5 ha	42°36'N;23°25'E	549 m	650-700mm
VARNA	1977	36 ha	43°14'N;28°00'E	28-85m	450-550mm
BALCHIK	1955	19 ha	43°24'N;28°01'E	1-35m	350-400mm

Part I SEEDS OF PLANTS IN THE OPEN FIELDS

PINOPSIDA

CUPRESSACEAE

1. *Calocedrus decurrens* (Torr.) Florin **vn.**
2. *Chamaecyparis lawsoniana* (A.Murray bis) Parl. **vn.**
3. *Chamaecyparis pisifera* (Siebold et Zucc.) Endl.
'Filifera aurea nana' **bk.**
4. *Cryptomeria japonica* (Thunb. ex L.f.) D.Don. **vn.**
5. *Cupressus arizonica* Greene **vn.**
6. *Cupressus sempervirens* L. **vn.**
7. *Cupressus sempervirens* L. **bk.**
8. *Cupressus sempervirens* L. var. *pyramidalis* **bk.**
9. *Juniperus chinensis* L. **vn.**
10. *Juniperus sabina* L. **vn.**
11. *Metasequoia glyptostroboides* Hu & W.C.Cheng **vn.**
12. *Metasequoia glyptostroboides* Hu & W.C.Cheng **bk.**
13. *Platycladus orientalis* (L.) Franco **bk.**
14. *Platycladus orientalis* (L.) Franco **vn.**
15. *Sequoia sempervirens* (D.Don) Endl. **vn.**

16. *Thuja occidentalis* L. f.*fastigiata* **bk.**
17. *Thuja occidentalis*L. “Golden globe” **bk.**
18. *Thuja plicata* Donn ex D.Don **bk.**
19. *Thujopsis dolabrata*(L.f.) Siebold & Zucc. **bk.**

PINACEAE

20. *Cedrus deodara* (Roxb. ex D.Don) G.Don **vn.**
21. *Pinus halepensis* Mill. **vn.**
22. *Pinus heldreichii* Christ **vn.**
23. *Pinus nigra* J.F.Arnold **vn.**
24. *Pinus pinaster* Aiton **vn.**
25. *Pinus pinea* L. **vn.**
26. *Pinus ponderosa* Douglas ex C.Lawson **bk.**
27. *Pinus strobus* L. **vn.**
28. *Pinus sylvestris* L. **vn.**
29. *Pseudotsuga menziesii* (Mirb.) Franco **vn.**

TAXACEAE

30. *Cephalotaxus harringtonii* (Knight ex J.Forbes) K.Koch **vn.**
31. *Taxus baccata* L. **bk.**
32. *Taxus baccata* L. **vn.**

MAGNOLIOPSIDA

ADOXACEAE

33. *Sambucus nigra* L. **sf.**
34. *Viburnum lantana* L. **bk.**
35. *Viburnum lantana* L. **vn.**
36. *Viburnum opulus* L. **bk.**
37. *Viburnum rhytidophyllum* Hemsl. **bk.**

38. *Viburnum rhytidophyllum* Hemsl. **sf.**
39. *Viburnum rhytidophyllum* Hemsl. **vn.**
40. *Viburnum tinus* L. **bk.**

ANACARDIACEAE

41. *Rhus typhina* L. **vn.**
42. *Rhus typhina* L. **bk.**

APIACEAE

43. *Angelica archangelica* L. **sf.**
44. *Angelica sylvestris* L. **sf.**
45. *Eryngium planum* L. "Blue Hobbit" **sf.**

APOCYNACEAE

46. *Apocynum cannabinum* St. **vn.**
47. *Apocynum cannabinum* St. **bk.**
48. *Asclepias incarnata* L. **sf.**
49. *Asclepias speciosa* Torr **sf.**

AQUIFOLIACEAE

50. *Ilex aquifolium* L. **vn.**

BETULACEAE

51. *Betula chinensis* Maxim. **vn.**
52. *Betula nealaskana* Sarg **vn.**
53. *Betula populifolia* Marshall **vn.**
54. *Carpinus betulus* L. **vn.**
55. *Ostrya carpinifolia* Scop. **vn.**

BERBERIDACEAE

56. *Berberis aquifolium* Pursh **bk.**

- 57. *Berberis julianae* C.K.Schneid. **bk.**
- 58. *Berberis thunbergii* DC. **bk.**
- 59. *Berberis thunbergii* DC. **vn.**
- 60. *Berberis thunbergii* DC. 'Atropurpurea' **bk.**
- 61. *Berberis vulgaris* L. **bk.**
- 62. *Berberis vulgaris* L. **sf.**
- 63. *Nandina domestica* Thunb. **bk.**
- 64. *Nandina domestica* Thunb. **vn.**

BIGNONIACEAE

- 65. *Catalpa bignonioides* Walter **vn.**
- 66. *Catalpa ovata* G.Don **vn.**

BORAGINACEAE

- 67. *Myosotis sylvatica* Hoffm. 'Early blue' **sf.**

BRASSICACEAE

- 68. *Alyssum montanum* L. **bk.**
- 69. *Fibigia lunarioides* (Willd.) Sweet **sf.**
- 70. *Crambe tataria* Sebeok **bk.**

BUXACEAE

- 71. *Sarcococca confusa* Sealy **bk.**

CALYCANTHACEAE

- 72. *Calycanthus floridus* L. **sf.**

CAMPANULACEAE

- 73. *Campanula incurva* Aucher ex A.DC. **sf.**
- 74. *Trachelium caeruleum* L. **sf.**

CANNABACEAE

- 75. *Celtis australis* L. **bk.**
- 76. *Celtis australis* L. **vn.**
- 77. *Celtis australis* subsp. *caucasica* (Willd.) C.C.Towns. **vn.**

CAPRIFOLIACEAE

- 78. *Centranthus ruber* (L.) DC. **sf.**
- 79. *Linnaea amabilis* (Graebn.) Christenh. 'Maradko' **bk.**
- 80. *Lonicera maackii* (Rupr.) Herder **bk.**
- 81. *Lonicera nitida* E.H.Wilson **bk.**
- 82. *Lonicera tatarica* L. **bk.**
- 83. *Scabiosa atropurpurea* L. **sf.**
- 84. *Scabiosa columbaria* L. **sf.**
- 85. *Scabiosa vestina* Facchini ex W.D.J.Koch **bk.**

CARYOPHYLLACEAE

- 86. *Dianthus arenarius* L. **bk.**
- 87. *Silene chalcedonica* (L.) E.H.L.Krause **bk.**

CELASTRACEAE

- 88. *Euonymus japonicus* Thunb. **bk.**
- 89. *Euonymus fortunei* (Turcz.) Hand.-Mazz. "Emerald Gold" **bk.**

COMPOSITAE

- 90. *Achillea millefolium* L. 'Yellow' **bk.**
- 91. *Achillea filipendulina* Lam. **sf.**
- 92. *Artemisia annua* L. **bk.**
- 93. *Aster novae-belgiae* L. **sf.**
- 94. *Berkheya purpurea*(DC.) Benth. &Hook.f. ex.Mast. **sf.**
- 95. *Catananche caerulea* L. **sf.**
- 96. *Centaurea nigrescens* Willd. **bk.**
- 97. *Eupatorium cannabinum* L. **sf.**
- 98. *Gaillardia aristata* Pursh. **bk.**

- 99. *Gaillardia pulchella* Foug. **bk.**
- 100. *Inula bifrons* L. **bk.**
- 101. *Inula helenium* L. **bk.**
- 102. *Liatris spicata* (L.) Willd. **bk.**
- 103. *Liatris spicata* (L.) Willd. 'Alba' **bk.**
- 104. *Liatris spicata* (L.) Willd. 'Purple' **bk.**
- 105. *Pilosella aurantiaca* (L.) F.W.Schultz & Sch.Bip. **sf.**
- 106. *Pilosella officinarum* Vaill. **sf.**
- 107. *Santolina chamaecyparissus* L. **bk.**
- 108. *Senecio articulatus* (L.f.) Sch.Bip. **sf.**
- 109. *Senecio grantii* (Oliv.&Hiern) Zonn. **sf.**
- 110. *Solidago canadensis* L. **sf.**
- 111. *Solidago virgaurea* L. **bk.**

CORNACEAE

- 112. *Cornus sanguinea* L. **bk.**

CUCURBITACEAE

- 113. *Cucumis africanus* L. **vn.**

EBENACEAE

- 114. *Diospyros lotus* L. **bk.**

ELAEAGNACEAE

- 115. *Elaeagnus rhamnoides* (L.) A.Nelson **vn.**

FAGACEAE

- 116. *Castanea sativa* Mill. **vn.**
- 117. *Quercus cerris* L. **vn.**
- 118. *Quercus ilex* L. **vn.**
- 119. *Quercus robur* subsp. *pedunculiflora* (K.Koch) Menitsky **vn.**

GENTIANACEAE

- 120. *Gentiana macrophylla* Pall. **bk.**

GERANIACEAE

- 121. *Erodium manescavii* Coss. **bk.**
- 122. *Geranium maculatum* L. 'Espresso' **bk.**

HYDRANGEACEAE

- 123. *Deutzia scabra* Thunb. **bk.**
- 124. *Philadelphus coronarius* L. **bk.**

HYPERICACEAE

- 125. *Hypericum calycinum* L. **bk.**

JUGLANDACEAE

- 126. *Pterocarya fraxinifolia* (Poir.) Spach **vn.**

LAMIACEAE

- 127. *Agastache foeniculum* (Pursh) Kuntze **bk.**
- 128. *Agastache rugosa* (Fisch.& C.A.Mey.) Kuntze **bk.**
- 129. *Agastache rugosa* (Fisch.& C.A.Mey.) Kuntze
'Golden Jubilee' **bk.**
- 130. *Callicarpa bodinieri* H.Lév. **vn.**
- 131. *Callicarpa japonica* Thunb. **bk.**
- 132. *Caryopteris incana* (Thunb. ex Houtt.) Miq. **bk.**
- 133. *Caryopteris incana* (Thunb. ex Houtt.) Miq. **vn.**
- 134. *Clinopodium nepeta* (L.) Kuntze **bk.**
- 135. *Lavandula angustifolia* Mill. 'Snow' **bk.**
- 136. *Marrubium vulgare* L. **bk.**
- 137. *Mentha cervina* L. **sf.**
- 138. *Origanum majorana* L. **bk.**
- 139. *Perilla frutescens* (L.) Britton **bk.**
- 140. *Perovskia atriplicifolia* Benth. **sf.**
- 141. *Salvia officinalis* L. **sf.**
- 142. *Satureja montana* L. **bk.**
- 143. *Sideritis scardica* Griseb. **sf.**
- 144. *Stachys byzantina* K.Koch **bk.**
- 145. *Stachys officinalis* (L.) Trevis. **sf.**
- 146. *Vitex agnus-castus* L. **vn.**
- 147. *Vitex negundo* L. **bk.**

LEGUMINOSAE

148. *Albizia julibrissin* Durazz. **vn.**
149. *Caesalpina gilliesii* (Hook.) D.Dietr. **vn.**
150. *Cercis siliquastrum* L. **bk.**
151. *Cercis siliquastrum* L. **vn.**
152. *Gleditsia triacanthos* L. **vn.**
153. *Gymnocladus dioicus* (L.) K.Koch **bk.**
154. *Gymnocladus dioicus* (L.) K.Koch **vn.**
155. *Laburnum anagyroides* Medik. **bk.**
156. *Laburnum anagyroides* Medik. **sf.**
157. *Sophora davidii* (Franch.) Pavol. **vn.**
158. *Styphnolobium japonicum* (L.) Schott **vn.**
159. *Wisteria floribunda* (Willd.) DC. **bk.**
160. *Wisteria sinensis* (Sims.) Sweet **bk.**
161. *Wisteria sinensis* (Sims.) Sweet **vn.**

LYTHRACEAE

162. *Lagerstroemia indica* L. **bk.**
163. *Punica granatum* L. **vn.**

MAGNOLIACEAE

164. *Liriodendron tulipifera* L. **bk.**
165. *Magnolia grandiflora* L. **bk.**
166. *Magnolia grandiflora* L. **vn.**
167. *Magnolia kobus* DC. **vn.**

MALVACEAE

168. *Alcea rosea* L. 'Nigra' **sf.**
169. *Alcea rugosa* Alef. **sf.**
170. *Althaea armeniaca* Ten. **sf.**
171. *Firmiana simplex* (L.) W.Wight **vn.**
172. *Hibiscus syriacus* L. **bk.**
173. *Hibiscus syriacus* L. **vn.**
174. *Kitaibelia vitifolia* Willd. **sf.**

MELIACEAE

175. *Melia azedarach* L. **vn.**

MORACEAE

176. *Maclura tricuspidata* Carriere **bk.**

OLIACEAE

177. *Fontanesia phillyreoides* Labill. var. *phillyreoides* **vn.**
178. *Fraxinus americana* L. **vn.**
179. *Fraxinus excelsior* L. **vn.**
180. *Fraxinus excelsior* L. **bk.**
181. *Fraxinus pennsylvanica* Marshall **vn.**
182. *Jasminum fruticans* L. **bk.**
183. *Ligustrum ibota* Siebold **bk.**
184. *Ligustrum ovalifolium* Hassk. **bk.**
185. *Syringa reticulata* (Blume) H.Hara **bk.**
186. *Syringa vulgaris* L. **bk.**

PAEONIACEAE

187. *Paeonia delavayi* var. *lutea*
(Delavay ex Franch.) Finet & Gagnep. **sf.**

PAPAVERACEAE

188. *Eschscholzia californica* Cham. **sf.**
189. *Papaver nudicaule* L. **sf.**
190. *Papaver orientale* L. **sf.**

PAULWNIACEAE

191. *Paulownia tomentosa* Steud. **bk.**
192. *Paulownia tomentosa* Steud. **vn.**

PHYLLANTHACEAE

193. *Flueggea suffruticosa* (Pall.) Baill. **bk.**

PHYTOLACCACEAE

194. *Phytolacca americana* L. **sf.**

PITTOSPORACEAE

195. *Pittosporum tobira* (Thunb.) W.T.Aiton **vn.**

PLANTAGINACEAE

196. *Tetranema roseum* (M.Martens & Galeotti)
Standl. & Steyerl. **sf.**
197. *Veronica longifolia* L. **sf.**
198. *Veronica spicata* L. **bk.**

PLUMBAGINACEAE

199. *Armeria pseudoarmeria* (Murray) Mansf. 'Ballerina White' **bk.**

POLYGONACEAE

200. *Rheum rhaponticum* L. **sf.**

RANUNCULACEAE

201. *Anemone coronaria* L. 'St. Brigid Mixed' **bk.**
202. *Anemone hupehensis* (E.Lemoine) E.Lemoine **sf.**
203. *Anemone pulsatilla* L. **bk.**
204. *Anemone sylvestris* L. **sf.**
205. *Anemone sylvestris* L. **vn.**
206. *Clematis integrifolia* L. **bk.**
207. *Clematis recta* L. **sf.**
208. *Nigella damascena* L. **sf.**

RESEDACEAE

209. *Reseda lutea* L. **sf.**

RHAMNACEAE

210. *Frangula alnus* Mill. **bk.**
211. *Paliurus spina-christi* Mill. **vn.**
212. *Rhamnus cathartica* L. **bk.**
213. *Ziziphus jujuba* Mill. **bk.**
214. *Ziziphus jujuba* Mill. **sf.**
215. *Ziziphus jujuba* Mill. **vn.**

ROSACEAE

216. *Chaenomeles japonica* (Thunb.) Lindl. ex Spach **bk.**
217. *Cotoneaster astrophoros* J.Fryer & E.C.Nelson **bk.**
218. *Cotoneaster dammeri* C.K. Schneid. **bk.**
219. *Cotoneaster franchetii* Bois **bk.**
220. *Cotoneaster horizontalis* Decne. **bk.**
221. *Cotoneaster integerrimus* Medik. **bk.**
222. *Cotoneaster melanocarpus* Fisch. ex A.Blytt **bk.**
223. *Crataegus mollis* (Torr. & A.Gray) Scheele **vn.**
224. *Crataegus monogyna* Jacq. **bk.**
225. *Crataegus pentagyna* Waldst. & Kit. ex Willd. **bk.**
226. *Dasiphora fruticosa* (L.) Rydb. **bk.**
227. *Eriobotrya japonica* (Thunb.) Lindl. **sf.**
228. *Exochorda racemosa* (Lindl.) Rehder **vn.**
229. *Geum rhodopeum* Stoj. & Stef. **bk.**
230. *Malus × robusta* (Carrišre) Rehder **bk.**
231. *Photinia glabra* (Thunb.) Maxim. **bk.**
232. *Physocarpus opulifolius* (L.) Maxim. **bk.**
233. *Prinsepia uniflora* Batalin **bk.**
234. *Prunus laurocerasus* L. **bk.**
235. *Pyracantha coccinea* M.Roem. **bk.**
236. *Rhodotypos scandens* (Thunb.) Makino **vn.**
237. *Sorbaria sorbifolia* (L.) A.Braun **vn.**
238. *Sorbus domestica* L. **vn.**
239. *Sorbus torminalis* (L.) Crantz **vn.**
240. *Spiraea japonica* L.f. **bk.**
241. *Spiraea japonica* L.f. 'Crispa' **bk.**
242. *Spiraea x vanhouttei* (Briot) Zabel **bk.**

RUTACEAE

- 243. *Citrus x microcarpa* Bunge **sf.**
- 244. *Citrus trifoliata* L. **vn.**
- 245. *Phellodendron sachalinense* (F. Schmidt) Sarg. **vn.**
- 246. *Ruta graveolens* L. **bk.**
- 247. *Ruta graveolens* L. **sf.**
- 248. *Tetradium daniellii* (Benn.) T.G.Hartley **bk.**
- 249. *Tetradium daniellii* (Benn.) T.G.Hartley **vn.**
- 250. *Zanthoxylum americanum* Mill. **bk.**
- 251. *Zanthoxylum bungeanum* Maxim. **bk.**
- 252. *Zanthoxylum bungeanum* Maxim. **vn.**

SAPINDACEAE

- 253. *Acer campestre* L. **vn.**
- 254. *Acer ginnala* Maxim. **vn.**
- 255. *Acer platanoides* L. **bk.**
- 256. *Acer pseudoplatanus* L. **vn.**
- 257. *Aesculus hippocastanum* L. **vn.**
- 258. *Koelreuteria paniculata* Laxm. **bk.**
- 259. *Koelreuteria paniculata* Laxm. **vn.**
- 260. *Sapindus mukorossi* Gaertn. **vn.**

SOLANACEAE

- 261. *Nicotiana alata* Link & Otto **bk.**
- 262. *Solanum dulcamara* L. **sf.**

VITACEAE

- 263. *Ampelopsis aconitifolia* Bunge **bk.**
- 264. *Parthenocissus tricuspidata* (Siebold & Zucc.) Planch. **bk.**

LILIOPSIDA

AMARYLLIDACEAE

- 265. *Allium altissimum* Regel **sf.**
- 266. *Allium giganteum* Regel **bk.**
- 267. *Allium schoenoprasum* L. **sf.**
- 268. *Allium senescens* L. **sf.**
- 269. *Scadoxus multiflorus* subsp. *katharinae*
(Baker) Friis & Nordal **bk.**

ASPARAGACEAE

- 270. *Asparagus officinalis* L. **bk.**
- 271. *Leopoldia comosa* (L.) Parl. **bk.**
- 272. *Muscari armeniacum* Leichtlin ex Baker **bk.**
- 273. *Muscari armeniacum* Leichtlin ex Baker 'Pink Sunrise' **bk.**

ARACEAE

- 274. *Dracunculus vulgaris* Schott **sf.**

CYPERACEAE

- 275. *Carex riparia* Curtis **vn.**
- 276. *Schoenoplectus lacustris* (L.) Palla **bk.**
- 277. *Schoenoplectus lacustris* (L.) Palla f. *variegata* **bk.**

DIOSCOREACEAE

- 278. *Dioscorea communis* (L.) Caddick & Wilkin **vn.**

IRIDACEAE

- 279. *Iris domestica* (L.) Goldblatt & Mabb. **sf.**

LILIACEAE

- 280. *Fritillaria imperialis* L. **bk.**
- 281. *Fritillaria meleagris* L. **bk.**
- 282. *Lilium regale* E.H.Wilson **bk.**

POACEAE

- 283. *Chasmanthium latifolium* (Michx.) H.O.Yates **bk.**
- 284. *Chasmanthium latifolium* (Michx.) H.O.Yates **vn.**
- 285. *Cortaderia selloana* (Schult. & Schult.f.) Asch. & Graebn. **vn.**
- 286. *Cortaderia selloana* (Schult. & Schult.f.) Asch. & Graebn. **sf.**
- 287. *Deschampsia caespitosa* (L.)P.B. **vn.**
- 288. *Elymus elongatus* (Host) Runemark **vn.**
- 289. *Eragrostis spectabilis* (Pursh.) Stend. **vn.**
- 290. *Eragrostis trichodes* (Nutt.) Alph.Wood **vn.**
- 291. *Leymus arenarius* (L.) Hochst. **vn.**
- 292. *Melica altissima* L. **bk.**
- 293. *Miscanthus sinensis* Andersson **vn.**
- 294. *Panicum amarum* Elliott **vn.**
- 295. *Pennisetum alopecuroides* (L.) Spreng. **vn.**
- 296. *Pennisetum orientale* Rich. **vn.**
- 297. *Pennisetum polystachyon* Schult. **sf.**
- 298. *Saccharum ravennae* (L.) L. **vn.**
- 299. *Schizachyrium scoparium* (Michx.) Nash 'Blazze' **vn.**
- 300. *Sorghastrum nutans* (L.) Nash. **vn.**
- 301. *Sporobolus airoides* (Torr.) Torr. **vn.**
- 302. *Stipa pennata* L. **vn.**

XANTHORRHOEACEAE

- 303. *Eremurus himalaicus* Baker **bk.**

PART II SEEDS OF PLANTS CULTIVATED IN GREENHOUSES

APOCYNACEAE

304. *Ceropegia stapeliiformis* Haw. **bk.**

ARACEAE

305. *Anthurium scandens* (Aubl.) Engl. **sf.**

BASELLACEAE

306. *Basella alba* L. **sf.**

BROMELIACEAE

307. *Aechmea bracteata* (Sw.) Griseb. **sf.**

COMPOSITAE

308. *Senecio articulatus* (L.f.) Sch. Bip. **sf.**
309. *Senecio barbertonicus* Klatt **bk.**
310. *Senecio grantii* (Oliv.&Hiern) Zonn. **sf.**
311. *Senecio medley-woodii* Hutch. **bk.**

GERANIACEAE

312. *Pelargonium barklyi* Scott-Elliot **bk.**

OLEACEAE

313. *Jasminum floridum* Bunge **bk.**

PASSIFLORACEAE

314. *Passiflora morifolia* Mast. **sf.**

ZINGIBERACEAE

315. *Hedychium horsfieldii* R.Br. ex Wall. **sf.**

PART III CACTI AND SUCCULENTS CULTIVATED INDOORS

ASPARAGACEAE

- 316. *Agave horrid* Lem. ex Jacobi **bk.**
- 317. *Sansevieria hyacinthoides* (L.) Druce **bk.**

Cactaceae

- 318. *Cactus glaucus* Kuntze **bk.**
- 319. *Cleistocactus baumannii* (Lem.) Lem. **bk.** (2016)
- 320. *Cleistocactus baumannii* subsp. *santacruzensis* (Backeb.) Mottram **bk.**
- 321. *Cleistocactus buchtienii* Backeb. ex Backeb. & F.M.Knuth. **bk.** (2016)
- 322. *Cleistocactus smaragdiflorus* (F.A.C.Weber) Britton & Rose **bk.**
- 323. *Coryphantha odorata* Boed. **bk.**
- 324. *Coryphantha pycnantha* (Mart.) Lem. **bk.**
- 325. *Coryphantha ramillosa* Cutak **bk.**
- 326. *Epiphyllum phyllanthus* (L.) Haw. **bk.** (2016)
- 327. *Epithelantha bokei* L.D.Benson **bk.**
- 328. *Epithelantha micromeris* (Engelm.) F.A.C.Weber ex Britton et Rose **bk.**
- 329. *Epithelantha micromeris* subsp. *greggii* (Engelm.) N.P.Taylor **bk.**
- 330. *Eriocereus pomanensis* (K.Schum.) A.Berger **bk.**
- 331. *Frailea angelesii* R. Kiesling ex K.H. Prestlé **bk.**
- 332. *Lepismium lumbricoides* (Lem.) Barthlott **bk.** (2016)
- 333. *Lophophora williamsii* (Lem. ex Salm-Dyck) J.M. Coult. **bk.** (2016)
- 334. *Mammillaria albicans* subsp. *fraileana* (Britton & Rose) D.R. Hunt **bk.**
- 335. *Mammillaria bocasana* Poselger **bk.** (2016)
- 336. *Mammillaria columbiana* Salm-Dyck **bk.**
- 337. *Mammillaria columbiana* var. *bogotensis* (Werderm. ex Backeb.) Dugand **bk.**

338. *Mammillaria columbiana* subsp. *yucatanensis*
(Britton & Rose) D.R.Hunt **bk.**
339. *Mammillaria crinita* subsp. *painteri*
(Rose) U. Guzmán **bk.** (2016)
340. *Mammillaria crucigera* Mart. **bk.**
341. *Mammillaria grusonii* Runge **bk.**
342. *Mammillaria magnimammavar.curvispina* Haw. **bk.** (2016)
343. *Mammillaria mammillaris* (L.) H.Karst. **bk.**
344. *Mammillaria matudae* Bravo **bk.**
345. *Mammillaria nivosa* Link ex Pfeiff. **bk.**
346. *Mammillaria pennispinosa* Krainz **bk.** (2016)
347. *Mammillaria perbella* Hildm. ex K. Schum. **bk.**(2016)
348. *Mammillaria polythele* Mart. **bk.**
349. *Mammillaria polythele* subsp. *Obconella*
(Scheidw.) D.R. Hunt **bk.** (2016)
350. *Mammillaria prolifera* (Mill.) Haw. **bk.**
351. *Mammillaria prolifera* subsp. *haitiensis*
(K. Schum.) D.R. Hunt **bk.**
352. *Mammillaria prolifera* subsp. *multiceps*
(Salm-Dyck) U. Guzmán **bk.**
353. *Mammillaria ruestii* Quehl **bk.**
354. *Mammillaria spinosissima* Lem. **bk.** (2016)
355. *Mammillaria spinosissima* f. *rubrispina* hort. **bk.** (2016)
356. *Mammillaria soehlemannii* W.haage & Backeb. **bk.**
357. *Matucana paucicostata* F. Ritter **bk.** (2016)
358. *Melocactus matanzanus* León **bk.** (2016)
359. *Neobuxbaumia euphorbioides* Buxb. **bk.**
360. *Neomammillaria neocoronaria* (F.M.Knuth) Y.Itô **bk.**
361. *Opuntia aciculata* Griffiths **bk.** (2016)
362. *Opuntia engelmannii* var. *alta* (Griffiths) Weniger **bk.** (2016)
363. *Opuntia hyptiacantha* F.A.C. Weber **bk.** (2016)
364. *Opuntia maxima* Mill. **bk.** (2016)
365. *Opuntia schumannii* F.A.C.Weber ex A.Berger **bk.** (2016)
366. *Opuntia streptacantha* Lem. **bk.**
367. *Opuntia tomentosa* Salm-Dyck **bk.** (2016)
368. *Parodia concinna* (Monv.) N.P. Taylor **bk.** (2016)
369. *Parodia haselbergii* (Rümppler) F.H.Brandt **bk.**

- 370. *Parodia mammulosa* subsp. *submammulosa*
(Lem.) Hofacker **bk.** (2016)
- 371. *Parodia microsperma* subsp. *horrida*
(F.W. Brandt) R. Kiesling & O. Ferrari **bk.** (2016)
- 372. *Parodia sellowii* (Link & Otto) D.R. Hunt **bk.**
- 373. *Pereskia grandifolia* Haw. **bk.** (2016)
- 374. *Pseudorhipsalis ramulosa* (Salm-Dyck) Barthlott **bk.**
- 375. *Rhipsalis baccifera* (J.S.Muell.) Stearn **bk.**
- 376. *Rhipsalis baccifera* subsp. *Horrida* (Baker) Barthlott. **bk.** (2016)
- 377. *Rhipsalis floccosa* subsp. *pittieri* (Britton & Rose) Barthlott &
N.P.Taylor **bk.** (2016)
- 378. *Rhipsalis monacantha* Griseb. **bk.**
- 379. *Rhipsalis pilocarpa* Loefgr. **bk.**
- 380. *Rhipsalis teres* (Vell.) Steud. **bk.** (2016)
- 381. *Selenicereus validus* S.Arias & U.Guzmán **bk.**
- 382. *Stenocactus crispatus* (DC.) A. Berger ex A.W. Hill **bk.**
- 383. *Wigginsia erinacea* (Haw.) D.M. Porter **bk.**

CRASSULACEAE

- 384. *Kalanchoe gracilipes* (Baker) Baill. **sf.**
- 385. *Kalanchoe humilis* Britten **sf.**
- 386. *Kalanchoe serrata* Mannoni & Boiteau **sf.**
- 387. *Sedum acre* L. **bk.**
- 388. *Sedum kamtschaticum* Fisch. **bk.**
- 389. *Sedum spectabile* Boreau **sf.**

XANTHORRHOEACEAE

- 390. *Aloe hemmingii* Reynolds & Bally **bk.**
- 391. *Aloe somaliensis* C.H. Wright ex W. Watson **bk.**
- 392. *Aloe striata* Haw. **bk.**
- 393. *Gasteria carinata* var. *verrucosa* (Mill.) van Jaarsv. **sf.**

PART IV CACTI CULTIVATED OUTDOOR

CACTACEAE

394. *Opuntia aureispina* (S.Brack et K.D.Heil) Pinkava et B.D. Parfit
bk. (2016)
395. *Opuntia engelmannii* Salm-Dyck ex Engelm. **bk.** (2016)
396. *Opuntia engelmannii* subsp. *lindheimeri*
(Engelm.) U. Guzmán & Mandujano **bk.** (2016)
397. *Opuntia erinacea* var. *utahensis*
(Engelm.) L.D. Benson **bk.** (2016)
398. *Opuntia humifusa* (Raf.) Raf. **bk.** (2016)
399. *Opuntia humifusa* (Raf.) Raf. 'Monmouth' **bk.** (2016)
400. *Opuntia macrocentra* Engelm. **bk.** (2016)
401. *Opuntia macrorhiza* Engelm. **bk.** (2016)
402. *Opuntia phaeacantha* Engelm. 'Pueblitos' **bk.** (2016)
403. *Opuntia phaeacantha* Engelm. 'Orangeade' **bk.** (2016)
404. *Opuntia phaeacantha* var. *camanchica*
(Engelm. & J.M. Bigelow) L.D. Benson 'Albispina' **bk.** (2016)
405. *Opuntia phaeacantha* var. *camanchica*
(Engelm. & J.M. Bigelow) L.D. Benson f. 'Rubra' **bk.** (2016)
406. *Opuntia phaeacantha* var. *major* Engelm. **bk.** (2016)
407. *Opuntia phaeacantha* var. *minor* Engelm. **bk.** (2016)

Plant Material Supply Agreement

As part of the commitment by this botanic garden to implementing the provisions of the Convention on Biological Diversity, the plant material listed below is supplied on condition that:

- a) it is used for the common good, for research, education, conservation and display;
- b) genetic material or resources or products derived from it are not passed to, or transferred in any way, to a third party without prior written permission from the above named botanic garden, and then only subject to a legally binding material supply agreement consistent with the agreement contained herein;
- c) publications resulting from research undertaken on the material supplied, or related to the study of that material, will acknowledge the source of this material;
- d) copies of any such publications will be lodged with the above named botanic garden within one year of the appearance of those publication;
- e) if the recipient of the material seeks to commercialize that material, or its progeny, or any derivatives thereof, that prior informed consent must first be obtained from the above named botanic garden. It is expected that any such commercialisation will be subject to a separate agreement.

I accept the conditions above and agree to implement these provisions.

Name: _____ Date: _____

Position/Designation: _____

Signature: _____ Stamp

Please return this form to:

**University Botanic Garden
9600 Balchik, P.O. Box 56, BULGARIA**

Dear Colleagues,

We are pleased to inform you that our Index Seminar 2017 can be found on our website:

<http://ubg-bg.com>

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You can make your requests via e-mail to: index_seminum_ubg@ubg-bg.com and also by post using the Desiderata along MSA with signature and stamp. Only one number per box, please!

Please return this form before 30.04.2018 to the following address:

UNIVERSITY
BOTANIC GARDEN Balchik 9600
P.O.Box 56
BULGARIA

MAXIMUM 15 NUMBERS OF REQUESTED SAMPLES

D E S I D E R A T A
