

**Pavol Jozef Šafárik University in Košice
Botanical Garden**



Index Seminum 2023

Lenka Mártonfiiová (ed.)

Košice, 2023

Index Seminum 2023

Botanical Garden of Pavol Jozef Šafárik University, Košice, Slovakia

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Botanical Garden of Pavol Jozef Šafárik University, Košice, Slovakia

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Seeds collected from wild plants in natural localities in Slovakia

	Taxon name	Locality	Collection date
1.	<i>Agrimonia eupatoria</i> L.	East Slovakia, Stredné Pohornádie area, estates of the village of Obišovce, Pažiť meadow, N 48°51'24.46" E 21°14'15.41"	6 th October 2022
2.	<i>Agrimonia eupatoria</i> L.	East Slovakia, town of Košice, Popradská Str., near Domino Leisure Centre, lawn, N 48°42'16.86" E 21°13'49.17"	2 nd September 2022
3.	<i>Achillea millefolium</i> L.	East Slovakia, town of Košice, Football Arena, lawn near Möbelix shopping centre, N 48°41'52.58" E 21°14'45.25"	2 nd September 2022
4.	<i>Anagalis arvensis</i> L.	East Slovakia, town of Košice, road margin opposite the entrance to Domino Leisure Centre, N 48°42'20.29" E 21°13'43.22"	22 nd July 2022
5.	<i>Anthericum ramosum</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'22.51" E 21°14'14.77"	13 th October 2022
6.	<i>Arctium lappa</i> L.	East Slovakia, Stredné Pohornádie area, Kavečianska stráň hillside, forest in its upper part, N 48°45'30.80" E 21°14'22.52"	13 th October 2022
7.	<i>Artemisia campestris</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'28.08" E 21°14'16.93"	13 th October 2022
8.	<i>Campanula moravica</i> (Spitzn.) Kovanda	East Slovakia, Stredné Pohornádie area, estates of the village of Obišovce, Pažiť meadow, N 48°51'23.04" E 21°14'16.36"	6 th October 2022
9.	<i>Campanula persicifolia</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, pathway to the observation tower, forest area close to the tower, N 48°45'45.34" E 21°14'09.98"	13 th October 2022
10.	<i>Campanula trachelium</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, pathway to the observation tower, forest area near Košický hrad castle, N 48°45'44.16" E 21°14'12.68"	13 th October 2022
11.	<i>Campanula xylocarpa</i> Kovanda	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'27.82" E 21°14'17.85"	13 th October 2022
12.	<i>Capsella bursa-pastoris</i> (L.) Medik.	East Slovakia, town of Košice, road margin opposite the Domino Leisure Centre, N 48°42'20.40" E 21°13'43.98"	14 th June 2022
13.	<i>Carlina vulgaris</i> L.	East Slovakia, Stredné Pohornádie area, estates of the village of Obišovce, Pažiť meadow, N 48°51'23.36" E 21°14'13.65"	6 th October 2022
14.	<i>Centaurea jacea</i> L.	East Slovakia, Stredné Pohornádie area, estates of the village of Obišovce, Pažiť meadow, N 48°51'23.01" E 21°14'16.02"	6 th October 2022
15.	<i>Centaurea scabiosa</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'28.80" E 21°14'21.38"	13 th October 2022
16.	<i>Cichorium intybus</i> L.	East Slovakia, town of Košice, path between Domino Leisure Centre and Topoľčianska Str., ruderal meadow, N 48°42'19.18" E 21°13'38.10"	2 nd September 2022

17.	<i>Circaea lutetiana</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, pathway to the observation tower, forest area, N 48°45'50.81" E 21°13'41.79"	13 th October 2022
18.	<i>Cirsium arvense</i> (L.) Scop.	East Slovakia, town of Košice, crossroads of Levická and Tvrdošínska streets, uncultivated area with ruderal vegetation, N 48°42'13.61" E 21°13'20.03"	22 nd July 2022
19.	<i>Cirsium vulgare</i> (Savi) Ten.	East Slovakia, town of Košice, Popradská Str. near Domino Leisure Centre, lawn close to the pavement, N 48°42'20.68" E 21°13'45.60"	22 nd July 2022
20.	<i>Convolvulus arvensis</i> L.	East Slovakia, town of Košice, crossroads of Levická and Tvrdošínska streets, uncultivated area with ruderal vegetation, N 48°42'13.87" E 21°13'20.25"	10 th August 2022
21.	<i>Crataegus monogyna</i> Jacq.	East Slovakia, town of Košice, path between Domino Leisure Centre and Topoľčianska Str., ruderalized meadow, N 48°42'18.98" E 21°13'35.58"	3 rd November 2022
22.	<i>Cynodon dactylon</i> (L.) Pers.	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants	13 th October 2022
23.	<i>Daucus carota</i> L.	East Slovakia, town of Košice, Popradská Str., lawn, N 48°42'16.87" E 21°13'49.40"	2 nd September 2022
24.	<i>Dipsacus fullonum</i> L.	East Slovakia, town of Košice, near Football Arena, unkempt lawn, N 48°41'52.29" E 21°14'44.57"	2 nd September 2022
25.	<i>Dipsacus fullonum</i> L.	East Slovakia, town of Košice, path between Domino Leisure Centre and Topoľčianska Str., ruderalized meadow, N 48°42'20.14" E 21°13'38.88"	2 nd September 2022
26.	<i>Echinochloa crus-gali</i> (L.) P. Beauv.	East Slovakia, town of Košice, Tvrdošínska Str., N 48°42'14.84" E 21°13'23.96"	2 nd September 2022
27.	<i>Echium vulgare</i> L.	East Slovakia, town of Košice, Tvrdošínska Str., N 48°42'13.99" E 21°13'20.42"	3 rd November 2022
28.	<i>Eupatorium cannabinum</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, pathway to the observation tower, forest area, N 48°45'45.63" E 21°14'06.74"	13 th October 2022
29.	<i>Euphorbia helioscopia</i> L.	East Slovakia, town of Košice, Topoľčianska Str. no. 32, uncultivated area in front of the house, N 48°42'14.00" E 21°13'28.37"	3 rd November 2022
30.	<i>Fumaria rostellata</i> Knaf	East Slovakia, town of Košice, road margin opposite the Domino Leisure Centre, N 48°42'20.40" E 21°13'43.98"	14 th June 2022
31.	<i>Galium verum</i> L.	East Slovakia, Stredné Pohornádie area, estates of the village of Obišovce, Pažiť meadow, N 48°51'23.01" E 21°14'16.02"	6 th October 2022
32.	<i>Galium verum</i> L.	East Slovakia, town of Košice, path between Domino Leisure Centre and Topoľčianska Str., ruderalized meadow, N 48°42'19.44" E 21°13'39.15"	2 nd September 2022
33.	<i>Geum urbanum</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, pathway to the observation tower, forest area, N 48°45'50.93" E 21°13'42.62"	13 th October 2022
34.	<i>Gnaphalium sylvaticum</i> L.	East Slovakia, Stredné Pohornádie area, estates of the village of Obišovce, Pažiť meadow, N 48°51'22.94" E 21°14'14.00"	6 th October 2022
35.	<i>Helichrysum arenarium</i> (L.) Moench	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'27.76" E 21°14'119.11"	13 th October 2022

36.	<i>Humulus lupulus</i> L.	East Slovakia, Stredné Pohornádie area, the village of Obišovce, uncultivated area next to the road from the sawmill, N 48°51'33.67" E 21°14'16.90"	6 th October 2022
37.	<i>Hypericum perforatum</i> L.	East Slovakia, town of Košice, near Football Arena, unkempt lawn, N 48°41'52.58" E 21°14'45.23"	2 nd September 2022
38.	<i>Chenopodium album</i> L.	East Slovakia, town of Košice, Bratislavská Str. no. 20, N 48°42'35.74" E 21°13'26.32"	16 th September 2022
39.	<i>Chondrilla juncea</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'29.20" E 21°14'22.06"	13 th October 2022
40.	<i>Lactuca saligna</i> L.	East Slovakia, town of Košice, Bratislavská Str., lawn near the road, N 48°42'27.48" E 21°13'23.79"	16 th September 2022
41.	<i>Lactuca serriola</i> L.	East Slovakia, town of Košice, road margin opposite the entrance to Domino Leisure Centre, N 48°42'20.35" E 21°13'43.49"	22 nd July 2022
42.	<i>Lapsana communis</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, pathway to the observation tower, forest area near Košický hrad castle, N 48°45'44.16" E 21°14'12.68"	13 th October 2022
43.	<i>Leontodon autumnalis</i> L.	East Slovakia, town of Košice, Popradská Str., lawn, N 48°42'14.79" E 21°13'14.79"	9 th September 2022
44.	<i>Lepidium draba</i> L.	East Slovakia, town of Košice, Levická Str., close to the crossroads with Topoľčianska Str., building site, N 48°42'11.30" E 21°13'22.83"	22 nd July 2022
45.	<i>Ligustrum vulgare</i> L.	East Slovakia, town of Košice, path between Domino Leisure Centre and Topoľčianska Str., ruderalized meadow, N 48°42'18.54" E 21°13'34.73"	3 rd November 2022
46.	<i>Linaria vulgaris</i> Mill.	East Slovakia, town of Košice, Bratislavská Str. no. 14, lawn near the road, N 48°42'36.62" E 21°13'25.66"	16 th September 2022
47.	<i>Linaria vulgaris</i> Mill.	East Slovakia, town of Košice, Jedlíkova Str., lawn near Kaufland market, N 48°42'02.98" E 21°14'01.86"	2 nd September 2022
48.	<i>Linum austriacum</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'23.18" E 21°14'14.58"	13 th October 2022
49.	<i>Lolium perenne</i> L.	East Slovakia, town of Košice, Tvrdošínska Str., opposite Belvedere block of flats, lawn along the pavement, N 48°42'14.20" E 21°13'26.16"	3 rd November 2022
50.	<i>Lotus corniculatus</i> L.	East Slovakia, town of Košice, Popradská Str. near public transport stop Trebišovská, lawn, N 48°42'09.74" E 21°13'53.83"	2 nd September 2022
51.	<i>Lotus corniculatus</i> L.	East Slovakia, town of Košice, Popradská Str., near National Tennis Centre building estate, lawn N 48°42'31.25" E 21°13'42.43"	22 nd July 2022
52.	<i>Medicago sativa</i> L.	East Slovakia, town of Košice, near Football Arena, unkempt lawn, N 48°41'52.67" E 21°14'38.61"	2 nd September 2022
53.	<i>Medicago sativa</i> L.	East Slovakia, town of Košice, Popradská Str., on the corner with the turning to Domino Leisure Centre, lawn CVČ, N 48°42'21.29" E 21°13'47.66"	22 nd July 2022
54.	<i>Melilotus albus</i> Medik.	East Slovakia, town of Košice, Breznianska Str., uncultivated area near the crossroads with Topoľčianska Str., N 48°42'14.63" E 21°13'29.92"	2 nd September 2022

55.	<i>Melilotus albus</i> Medik.	East Slovakia, town of Košice, crossroads of Levická and Tvrdošínska streets, uncultivated area with ruderal vegetation, N 48°42'13.89" E 21°13'20.36"	10 th August 2022
56.	<i>Mycelis muralis</i> (L.) Dumort.	East Slovakia, Stredné Pohornádie area, town of Košice, pathway to the observation tower, forest area near Košický hrad castle, N 48°45'50.93" E 21°13'42.62"	13 th October 2022
57.	<i>Papaver rhoeas</i> L.	East Slovakia, town of Košice, Tvrdošínska Str., crossroads with Levická Str., uncultivated area, N 48°42'13.98" E 21°13'20.49"	22 nd July 2022
58.	<i>Persicaria lapathifolia</i> (L.) Delarbre	East Slovakia, town of Košice, Tvrdošínska Str., N 48°42'13.99" E 21°13'20.42"	3 rd November 2022
59.	<i>Pimpinella major</i> (L.) Huds.	East Slovakia, town of Košice, Football Arena, lawn near Möbelix shopping centre, N 48°41'52.76" E 21°14'44.53"	2 nd September 2022
60.	<i>Plantago lanceolata</i> L.	East Slovakia, town of Košice, Breznianska Str., uncultivated area near the crossroads with Topoľčianska Str., N 48°42'14.63" E 21°13'29.92"	2 nd September 2022
61.	<i>Plantago major</i> L.	East Slovakia, town of Košice, Popradská Str. near turning to ESO shop, lawn, N 48°42'07.46" E 21°13'58.06"	2 nd September 2022
62.	<i>Polygonatum multiflorum</i> (L.) All.	East Slovakia, Stredné Pohornádie area, Kavečianska stráň hillside, forest in its upper part, N 48°45'33.07" E 21°14'21.65"	13 th October 2022
63.	<i>Polygonatum odoratum</i> (Mill.) Druce	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'27.66" E 21°14'48.03"	13 th October 2022
64.	<i>Potentilla collina</i> Wibel	East Slovakia, town of Košice, Popradská Str. near turning to ESO shop, lawn, N 48°42'07.85" E 21°13'56.84"	9 th September 2022
65.	<i>Prenanthes purpurea</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, pathway to the observation tower, forest area close to the tower, N 48°45'45.63" E 21°14'06.74"	13 th October 2022
66.	<i>Prunus spinosa</i> L.	East Slovakia, town of Košice, Popradská Str., behind Domino Leisure Centre, lawn, N 48°42'17.96" E 21°13'41.09"	3 rd November 2022
67.	<i>Robinia viscosa</i> Michx. ex Vent.	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'27.62" E 21°14'15.00"	13 th October 2022
68.	<i>Rosa canina</i> L.	East Slovakia, town of Košice, path between Domino Leisure Centre and Topoľčianska Str., ruderalized meadow, N 48°42'18.75" E 21°13'34.98"	3 rd November 2022
69.	<i>Salix pentandra</i> L.	Northern Slovakia, under the hill Suchý Hrádok, wet area between forest and meadow, N 49°07'09.4", E 19°50'32.7"	1 st November 2022
70.	<i>Salvia glutinosa</i> L.	East Slovakia, Stredné Pohornádie area, Kavečianska stráň hillside, forest in its upper part, N 48°45'32.87" E 21°14'22.46"	13 th October 2022
71.	<i>Salvia pratensis</i> L.	East Slovakia, town of Košice, Bratislavská Str., lawn near the road, N 48°42'27.48" E 21°13'23.79"	16 th September 2022
72.	<i>Salvia pratensis</i> L.	East Slovakia, town of Košice, Popradská Str. near Domino Leisure Centre, lawn close to the pavement, N 48°42'12.44" E 21°13'51.10"	2 nd September 2022
73.	<i>Scabiosa ochroleuca</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'28.82" E 21°14'21.56"	13 th October 2022

74.	<i>Scrophularia nodosa</i> L.	East Slovakia, Stredné Pohornádie area, Kavečianska stráň hillside, forest in its upper part, N 48°45'31.60" E 21°14'23.03"	13 th October 2022
75.	<i>Scrophularia nodosa</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, pathway to the observation tower, forest area near Košický hrad castle, N 48°45'44.16" E 21°14'12.68"	13 th October 2022
76.	<i>Senecio jacobaea</i> L.	East Slovakia, town of Košice, uncultivated area close to the road between Mobelix and OBI shopping centres, N 48°41'52.57" E 21°14'28.81"	2 nd September 2022
77.	<i>Setaria pumila</i> (Poir.) Roem et Schult.	East Slovakia, town of Košice, near Football Arena, unkempt lawn, N 48°41'52.59" E 21°14'37.26"	2 nd September 2022
78.	<i>Setaria pumila</i> (Poir.) Roem. et Schult.	East Slovakia, town of Košice, Tvrdošínska Str., N 48°42'14.67" E 21°13'22.58"	3 rd November 2022
79.	<i>Silene latifolia</i> Poir.	East Slovakia, town of Košice,, Festivalové námestie Square, N 48°43'41.49" E 21°14'26.40"	2 nd September 2022
80.	<i>Silene vulgaris</i> (Moench) Garcke	East Slovakia, town of Košice, Moskovská Str., in front of the bridge, lawn near the pavement N 48°42'43.44" E 21°13'01.25"	16 th September 2022
81.	<i>Silene vulgaris</i> (Moench) Garcke	East Slovakia, town of Košice, Popradská Str., lawn near Kaufland market, N 48°42'04.71" E 21°14'05.49"	2 nd September 2022
82.	<i>Silene vulgaris</i> (Moench) Garcke	East Slovakia, town of Košice, Popradská Str., lawn, N 48°42'10.67" E 21°13'53.11"	2 nd September 2022
83.	<i>Sonchus oleraceus</i> L.	East Slovakia, town of Košice, Topoľčianska Str. no. 32, uncultivated area in front of the house, N 48°42'14.21" E 21°13'28.49"	3 rd November 2022
84.	<i>Swida sanguinea</i> (L.) Opiz	East Slovakia, town of Košice, path between Domino Leisure Centre and Topoľčianska Str., ruderalized meadow, N 48°42'18.84" E 21°13'34.73"	3 rd November 2022
85.	<i>Taraxacum officinale</i> L.	East Slovakia, Stredné Pohornádie area, the village of Obišovce, lawn in front of a garden fence, N 48°51'41.75" E 21°14'23.00"	6 th October 2022
86.	<i>Taraxacum officinale</i> L.	East Slovakia, town of Košice, Bratislavská Str., road margin, N 48°42'27.48" E 21°13'23.79"	16 th September 2022
87.	<i>Teucrium montanum</i> L.	East Slovakia, Stredné Pohornádie area, town of Košice, Kavečianska stráň hillside, meadow with scattered woody plants, N 48°45'22.51" E 21°14'14.77"	13 th October 2022
88.	<i>Thlaspi arvense</i> L.	East Slovakia, town of Košice, corner of Levická and Tvrdošínska Str., uncultivated area, N 48°42'14.07" E 21°13'21.11"	22 nd July 2022
89.	<i>Torilis japonica</i> (Houtt.) DC.	East Slovakia, Stredné Pohornádie area, town of Košice, pathway to the observation tower, forest area near Košický hrad castle, N 48°45'44.16" E 21°14'12.68"	13 th October 2022
90.	<i>Tragopogon orientalis</i> L.	East Slovakia, town of Košice, Bratislavská Str. no. 10, lawn near the road, N 48°42'37.20" E 21°13'26.02"	16 th September 2022
91.	<i>Tragopogon orientalis</i> L.	East Slovakia, town of Košice, Bratislavská Str., lawn near the road, N 48°42'23.02" E 21°13'18.24"	16 th September 2022
92.	<i>Tripleurospermum inodorum</i> (L.) Sch. Bip.	East Slovakia, town of Košice, Tvrdošínska Str., crossroads with Levická Str., uncultivated area, N 48°42'13.98" E 21°13'20.49"	22 nd July 2022

The seeds were collected and determined by Lenka Mártonfiová, Pavol Mártonfi and Monika Lachmannová.



**Seeds collected from plants cultivated in the Botanical Garden of P.J. Šafárik University,
Košice in 2022 - 2023**

Taxon name

93. *Annona mucosa* Jacq.
94. *Anthurium digitatum* (Jacq.) Schott
95. *Archontophoenix cunninghamiana* H.Wendl. et Drude
96. *Barleria prionitis* L.
97. *Burbridgea schizocheila* Hackett
98. *Cephalocereus euphorbioides* (Haw.) Britton et Rose
99. *Cereus repandus* (L.) Mill.
100. *Clitoria ternatea* L.
101. *Coffea arabica* L.
102. *Dyopsis lutescens* (H. Wendl.) Beentje et J. Dransf.
103. *Eriobotrya japonica* (Thunb.) Lindl.
104. *Gossypium arboreum* L.
105. *Musa velutina* H. Wendl. et Drude
106. *Pachira aquatica* Aubl.
107. *Phyllanthus grandifolius* Spreng.
108. *Pithecellobium macradenium* Pittier
109. *Pittosporum crassifolium* Banks et Sol. ex A. Cunn.
110. *Psychotria carthagenensis* Jacq.
111. *Sabal minor* (Jacq.) Pers.
112. *Scadoxus multiflorus* (Martyn) Raf.
113. *Tacca chantrieri* André
114. *Turraea heterophylla* Harv. et Sond.
115. *Vachellia seyal* var. *seyal* (Delile) P. J. H. Hurter
116. *Veltheimia bracteata* Harv. ex Baker
117. *Wollemia nobilis* W. G. Jones, K. D. Hill et J. M. Allen

**Seeds collected from
Exposition of Tatra Mountain Nature**

State Forests of Tatra National Park, Tatranská Lomnica, Slovakia, 850 m a. s. l.

Taxon name	Collection date
118. <i>Adenophora liliifolia</i> (L.) Ledeb. ex A. DC.	15 th October 2022
119. <i>Allium senescens</i> subsp. <i>montanum</i> (Pohl) Holub	27 th September 2022
120. <i>Allium schoenoprasum</i> subsp. <i>alpinum</i> (DC.) Čelak.	21 st July 2022
121. <i>Androsace lactea</i> L.	2 nd July 2022
122. <i>Anemonastrum narcissiflorum</i> (L.) Holub	19 th July 2022
123. <i>Anthyllis vulneraria</i> subsp. <i>alpestris</i> (Kit. ex Schult.) Asch. et Graebn.	6 th July 2022
124. <i>Aquilegia vulgaris</i> L.	25 th July 2022
125. <i>Armeria alpina</i> Willd.	23 rd June 2022
126. <i>Aruncus dioicus</i> (Walter) Fernald	8 th October 2022
127. <i>Aster alpinus</i> L.	23 rd June 2022
128. <i>Aster amellus</i> subsp. <i>bessarabicus</i> (Bernh. ex Rchb.) Soó	15 th October 2022
129. <i>Astragalus australis</i> (L.) Lam.	16 th July 2022
130. <i>Astragalus norvegicus</i> Weber	14 th July 2022
131. <i>Astrantia major</i> L.	13 th September 2022
132. <i>Bistorta vivipara</i> (L.) Delarbre	29 th July 2022
133. <i>Bupleurum ranunculoides</i> L.	16 th October 2022
134. <i>Campanula carpatica</i> Jacq.	8 th August 2022
135. <i>Campanula glomerata</i> L.	12 th August 2022
136. <i>Campanula persicifolia</i> L.	18 th August 2022
137. <i>Campanula tatrae</i> Borbás	2 nd August 2022
138. <i>Cerastium eriophorum</i> Kit.	27 th June 2022
139. <i>Comarum palustre</i> L.	26 th July 2022
140. <i>Cortusa matthioli</i> L.	27 th July 2022
141. <i>Delphinium elatum</i> L.	19 th July 2022
142. <i>Delphinium oxysepallum</i> Borbás et Pax	21 st July 2022
143. <i>Dianthus praecox</i> Willd. ex Spreng.	19 th July 2022
144. <i>Dianthus superbus</i> subsp. <i>alpestris</i> (Kablík. ex Uechtr.) Čelak.	20 th July 2022

145. <i>Digitalis grandiflora</i> Mill.	12 th August 2022
146. <i>Draba aizoides</i> L.	9 th June 2022
147. <i>Dryas octopetala</i> L.	27 th June 2022
148. <i>Gentiana asclepiadea</i> L.	20 th September 2022
149. <i>Gentiana clusii</i> Perr. et Songeon	23 rd June 2022
150. <i>Geum montanum</i> (L.) E. I. Golubk.	20 th June 2022
151. <i>Gladiolus imbricatus</i> L.	31 st August 2022
152. <i>Gypsophila repens</i> L.	2 nd August 2022
153. <i>Helianthemum alpestre</i> (Jacq.) DC.	6 th July 2022
154. <i>Helianthemum nummularium</i> subsp. <i>grandiflorum</i> (Scop.) Schinz et Thell.	2 nd August 2022
155. <i>Hypochaeris uniflora</i> Vill.	26 th June 2022
156. <i>Cherleria langii</i> (G. Reuss) A. J. Moore et Dillenb.	2 nd August 2022
157. <i>Iris sibirica</i> L.	27 th September 2022
158. <i>Jovibarba globifera</i> subsp. <i>glabrescens</i> (Sabr.) Holub	13 th September 2022
159. <i>Leontodon hispidus</i> L.	16 th August 2022
160. <i>Leontopodium alpinum</i> Cass.	2 nd August 2022
161. <i>Lilium martagon</i> L.	22 nd August 2022
162. <i>Linum extraaxillare</i> L.	29 th June 2022
163. <i>Onobrychis montana</i> DC.	19 th July 2022
164. <i>Oxytropis halleri</i> Bunge ex W. D. J. Koch	25 th July 2022
165. <i>Papaver tatricum</i> (A. Nyár.) Ehrend.	6 th July 2022
166. <i>Parnassia palustris</i> L.	31 st August 2022
167. <i>Phyteuma orbiculare</i> L.	26 th July 2022
168. <i>Phyteuma spicatum</i> L.	27 th July 2022
169. <i>Pilosella aurantiaca</i> (L.) F. W. Schultz et Sch. Bip.	31 st August 2022
170. <i>Pinguicula vulgaris</i> L.	26 th July 2022
171. <i>Polemonium caeruleum</i> L.	23 rd August 2022
172. <i>Potentilla crantzii</i> (Crantz) Beck ex Fritsch	19 th July 2022
173. <i>Primula auricula</i> L.	1 st August 2022
174. <i>Primula halleri</i> subsp. <i>platyphylla</i> O. Schwarz	1 st August 2022
175. <i>Ranunculus platanifolius</i> L.	25 th August 2022
176. <i>Saxifraga moschata</i> Wulfen	5 th August 2022
177. <i>Saxifraga aizoides</i> L.	19 th July 2022

178. <i>Saxifraga paniculata</i> Mill.	19 th July 2022
179. <i>Scabiosa lucida</i> Vill.	19 th July 2022
180. <i>Tanacetum clusii</i> (Fisch. ex Rchb.) Soják	26 th July 2022
181. <i>Thalictrum aquilegiifolium</i> L.	16 th August 2022
182. <i>Tofieldia calyculata</i> (L.) Wahlenb.	27 th July 2022
183. <i>Trollius altissimus</i> Crantz	23 rd June 2022
184. <i>Veratrum album subsp.lobelianum</i> (Bernh.) Arcang.	13 th September 2022
185. <i>Veronica aphylla</i> L.	6 th July 2022
186. <i>Veronica fruticans</i> Jacq.	18 th July 2022

The seeds were collected by Jana Černická



Seeds collected from

Hrádocké Arboretum

Secondary Forestry School of J. D. Matejovie

in Liptovský Hrádok, Hradná Str. 534, Liptovský Hrádok, Slovakia

Taxon name	Collection date
187. <i>Abies balsamea</i> (L.) Mill.	17 th October 2022
188. <i>Abies cephalonica</i> Loudon	September 2022
189. <i>Abies concolor</i> (Gordon et Glend.) Lindl. ex Hildebr.	17 th October 2022
190. <i>Abies grandis</i> (Douglas ex D. Don) Lindl.	7 th October 2022
191. <i>Abies homolepis</i> Siebold et Zucc.	10 th October 2022
192. <i>Abies koreana</i> E. H. Wilson	10 th October 2022
193. <i>Abies nordmanniana</i> (Steven) Spach	17 th October 2022
194. <i>Acer japonicum</i> Thunb.	October 2022
195. <i>Acer miyabei</i> Maxim.	5 th October 2022
196. <i>Acer monspessulanum</i> L.	26 th September 2022
197. <i>Acer palmatum</i> Thunb.	20 th October 2022
198. <i>Acer schirasawanum</i> Koidz.	5 th October 2022
199. <i>Acer stachyophyllum</i> Hiern	26 th September 2022
200. <i>Acer tataricum</i> L.	23 rd September 2022
201. <i>Acer tataricum subsp. ginnala</i> (Maxim.) Wesm.	16 th September 2022
202. <i>Acer tegmentosum</i> Maxim.	20 th September 2022
203. <i>Acer ukurunduense</i> Trautv. et C.A. Mey.	16 th September 2022
204. <i>Aesculus parviflora</i> Walt.	7 th October 2022
205. <i>Alnus alnobetula</i> (Ehrh.) K. Koch	28 th October 2022
206. <i>Alnus alnobetula subsp. crispa</i> (Aiton) Raus	28 th October 2022
207. <i>Alnus incana subsp. rugosa</i> (Du Roi) R. T. Clausen	28 th October 2022
208. <i>Aralia elata var. mandshurica</i> (Rupr. et Maxim.) J. Wen	7 th October 2022
209. <i>Berberis verna</i> C. K. Schneid.	4 th October 2022
210. <i>Betula alleghaniensis</i> Britton	19 th September 2022
211. <i>Betula papyrifera</i> Marshall	7 th October 2022
212. <i>Betula platyphylla</i> Sukaczew	10 th October 2022
213. <i>Betula populifolia</i> Marsh.	10 th October 2022
214. <i>Calycanthus floridus</i> L.	17 th October 2022

215. <i>Caragana brevispina</i> Benth.	25 th August 2022
216. <i>Caragana turkestanica</i> Kom.	25 th August 2022
217. <i>Carpinus caroliniana</i> Walter	16 th September 2022
218. <i>Carpinus japonica</i> Blume	16 th September 2022
219. <i>Carya ovata</i> (Mill.) K. Koch	17 th October 2022
220. <i>Colutea arborescens</i> L.	12 th September 2022
221. <i>Colutea persica</i> Boiss.	September 2022
222. <i>Cornus alternifolia</i> L. fil.	5 th September 2022
223. <i>Cornus amomum</i> Mill.	17 th October 2022
224. <i>Cornus officinalis</i> Siebold et Zucc.	11 th October 2022
225. <i>Corylus sieboldiana</i> var. <i>mandshurica</i> (Maxim.) C.K.Schneid.	19 th September 2022
226. <i>Crataegus horrida</i> Medik.	16 th September 2022
227. <i>Crataegus rusanovii</i> f. <i>latifolia</i> Cinovskis	30 th September 2022
228. <i>Crataegus submollis</i> Sarg.	7 th October 2022
229. <i>Crataegus</i> x <i>kyrtostyla</i> Fingerh	30 th September 2022
230. <i>Elaeagnus umbellata</i> Thunb.	19 th September 2022
231. <i>Eleutherococcus sessiliflorus</i> (Rupr. et Maxim.) S. Y. Hu	5 th October 2022
232. <i>Eleutherococcus senticosus</i> (Rupr. et Maxim.) Maxim.	26 th September 2022
233. <i>Euonymus alatus</i> (Thunb.) Siebold	7 th October 2022
234. <i>Euonymus latifolius</i> (L.) Mill.	22 nd September 2022
235. <i>Euonymus verrucosus</i> Scop.	19 th September 2022
236. <i>Fraxinus bungeana</i> DC.	30 th September 2022
237. <i>Chaenomeles japonica</i> (Thunb.) Lindl. ex Spach	October 2022
238. <i>Juglans ailantifolia</i> var. <i>cordiformis</i> (Makino) Rehder	2 nd October 2022
239. <i>Juglans cinerea</i> L.	16 th September 2022
240. <i>Juglans mandshurica</i> Maxim.	October 2022
241. <i>Kolkwitzia amabilis</i> Graebn.	27 th September 2022
242. <i>Laburnum alpinum</i> (Mill.) Bercht. et J.Presl.	12 th September 2022
243. <i>Laburnum anagyroides</i> Medik.	12 th September 2022
244. <i>Larix kaempferi</i> (Lamb.) Carrière	17 th October 2022
245. <i>Ligustrum ibota</i> Siebold	14 th October 2022
246. <i>Ligustrum ovalifolium</i> Hassk.	21 st October 2022
247. <i>Ligustrum sinense</i> Lour.	14 th October 2022

248. <i>Lonicera ferdinandii</i> Franch.	5 th October 2022
249. <i>Lonicera maackii</i> (Rupr.) Maxim.	September 2022
250. <i>Mespilus germanica</i> L.	17 th October 2022
251. <i>Ostria virginiana</i> (Mill.) Koch.	5 th September 2022
252. <i>Phellodendron amurense</i> Rupr.	10 th October 2022
253. <i>Phellodendron sachalinense</i> (F. Schmidt) Sarg.	5 th October 2022
254. <i>Picea orientalis</i> (L.) Peterm.	19 th December 2022
255. <i>Picea schrenkiana</i> Fisch. et C. A. Mey.	7 th November 2022
256. <i>Pinus armandii</i> Franch.	7 th October 2022
257. <i>Pinus peuce</i> Griseb.	13 th October 2022
258. <i>Prunus maackii</i> Rupr.	15 th June 2022
259. <i>Prunus mahaleb</i> L.	21 st June 2022
260. <i>Prunus pensylvanica</i> L. fil.	8 th June 2022
261. <i>Pseudotsuga menziesii</i> (Mirb.) Franco subsp. <i>menziesii</i>	September 2022
262. <i>Ptelea trifoliata</i> L.	4 th October 2022
263. <i>Pyracantha crenulata</i> (D.Don) M.Roem.	23 rd September 2022
264. <i>Quercus rubra</i> L.	October 2022
265. <i>Rhamnus davurica</i> Pallas	16 th September 2022
266. <i>Rhamnus globosa</i> Siebold & Zucc.	4 th October 2022
267. <i>Rhamnus utilis</i> Decne.	10 th October 2022
268. <i>Rosa amblyotis</i> C.A.Mey.	20 th September 2022
269. <i>Rosa glauca</i> Pourr.	22 nd September 2022
270. <i>Rosa multiflora</i> Thunb.	17 th October 2022
271. <i>Rosa spinosissima</i> L.	23 rd September 2022
272. <i>Sambucus nigra</i> subsp. <i>caerulea</i> (Raf.) Bolli	7 th October 2022
273. <i>Sequoiadendron giganteum</i> (Lindl.) Buchholz	September 2022
274. <i>Sorbus aria</i> (L.) Crantz	5 th October 2022
275. <i>Sorbus cashmiriana</i> Hedl.	30 th September 2022
276. <i>Sorbus commixta</i> Hedl.	12 th September 2022
277. <i>Sorbus pohnuashanensis</i> (Hance) Hedl.	20 th September 2022
278. <i>Sorbus scopulina</i> Greene	5 th September 2022
279. <i>Sorbus sudetica</i> (Tausch) Bluff et al.	22 nd September 2022
280. <i>Sorbus tianschanica</i> Rupr.	30 th September 2022

281. <i>Staphylea pinnata</i> L.	19 th September 2022
282. <i>Syringa reticulata</i> (Blume) H. Hara	14 th October 2022
283. <i>Syringa x swegiflexa</i> Hort.Hesse ex J.S.Pringle	14 th October 2022
284. <i>Taxus cuspidata</i> Siebold et Zucc.	30 th September 2022
285. <i>Tsuga canadensis</i> (L.) Carrière	15 th November 2022
286. <i>Tsuga caroliniana</i> (L.) Carrière	15 th October 2022
287. <i>Tsuga diversifolia</i> (Maxim.) Mast.	15 th October 2022
288. <i>Viburnum dilatatum</i> Thunb.	26 th September 2022
289. <i>Viburnum lantana</i> L.	17 th October 2022
290. <i>Viburnum rhytidophyllum</i> Hemsl.	5 th October 2022
291. <i>Viburnum schensianum</i> Maxim.	20 th September 2022



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