



Botanični vrt
UNIVERZE V MARIBORU



Univerza v Mariboru

Fakulteta za kmetijstvo
in biosistemske vede

Index Seminum

2022



Seznam semen za izmenjavo

Index Seminum

*List of seeds
available for exchange*

Botanični vrt Univerze v Mariboru

Botanični vrt Univerze v Mariboru
Fakulteta za kmetijstvo in Biosistemske vede
Pivola 90a
2311 Hoče

T: 00386 2 613 08 58
Email: botanicni.vrt@um.si
Spletna stran / web side: <http://botanicnivrt.um.si/pages/si/domo>

Izdal / Published by: Botanični vrtu Univerze v Mariboru

Avtor / Author: Ignac Janžekovič, Andrej Šušek

Vzdrževalec zbirke semen / Curator of collection: mag. Ignac Janžekovič

SPLOŠNE INFORMACIJE / GENERAL INFORMATION

Botanični vrt Univerze v Mariboru izdaja svoj tretji seznam semen za izmenjavo 'Index Seminum'. Semena so bila nabrana v naravnih populacijah ter v Botaničnem vrtu UM. V kolekciji semen je tudi nekaj semen predstavnikov gojenih rastlin.

Botanični vrt Univerze v Mariboru je član Mednarodne mreže za izmenjavo rastlin (IPEN). Članstvo omogoča prosto izmenjavo rastlinskega materiala med člani IPEN mreže.

The Botanical Garden of the University of Maribor is publishing its third annual 'Index Seminum'. The seeds were collected in natural populations and in the UM Botanical Garden. There are also some seeds of representatives of cultivated plants in the seed collection.

The Botanical Garden of the University of Maribor is a member of the International Plant Exchange Network (IPEN). Membership enables the free exchange of plant material between members of the IPEN network.

Agreement on the supply of plant material

In response to the Convention on Biological Diversity (CBD, Rio de Janeiro, June 5, 1992), the University of Maribor Botanical Garden supplies the seed samples following the conditions listed below:

- 1) On the basis of this agreement, the material is intended to serve the common good, particularly scientific studies, education and the interests of environmental protection.
- 2) Upon accepting plant material from our garden, the recipient is obliged to document and preserve information relating to the material appropriately.
- 3) In the case when scientific publications involving the provided plant material are produced, the origin of the material is to be cited. In addition, these publications are expected to be sent to the University of Maribor Botanical 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 the benefits with the country of origin and to forward relevant information to the authority instructed with the implementation of the CBD.
- 5) The recipient garden will forward information on the material supply on request to the authority instructed with the implementation of the CBD.
- 6) By ordering seeds or other plant material from the University of Maribor Botanical Garden, these conditions and other articles of the convention are accepted.

Instructions

Please indicate your request on the enclosed order form. Orders must contain a declaration, that the conditions (1) to (6) of the agreement listed above are accepted.

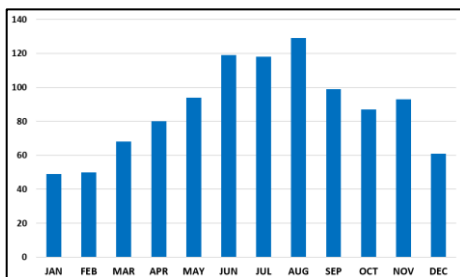
WARNING:

The tendency of some of the offered species to spread as weeds cannot be ruled out.
The application of appropriate precautionary measures is the responsibility of the client alone.

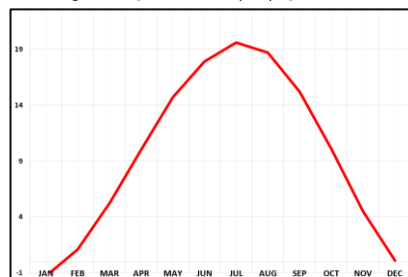
MARIBOR CLIMATE DATA

Average annual precipitation and temperatures in Maribor, between years 2005 in 2015 (www.arso.gov.si)

Average precipitations (mm)/ per month



Average temperatures (°C)/ per month



Location of Maribor



Average annual
temperature
10.1 °C



Absolute minimum
temperature
-23 °C (1962)



Average annual
precipitation
1034 mm

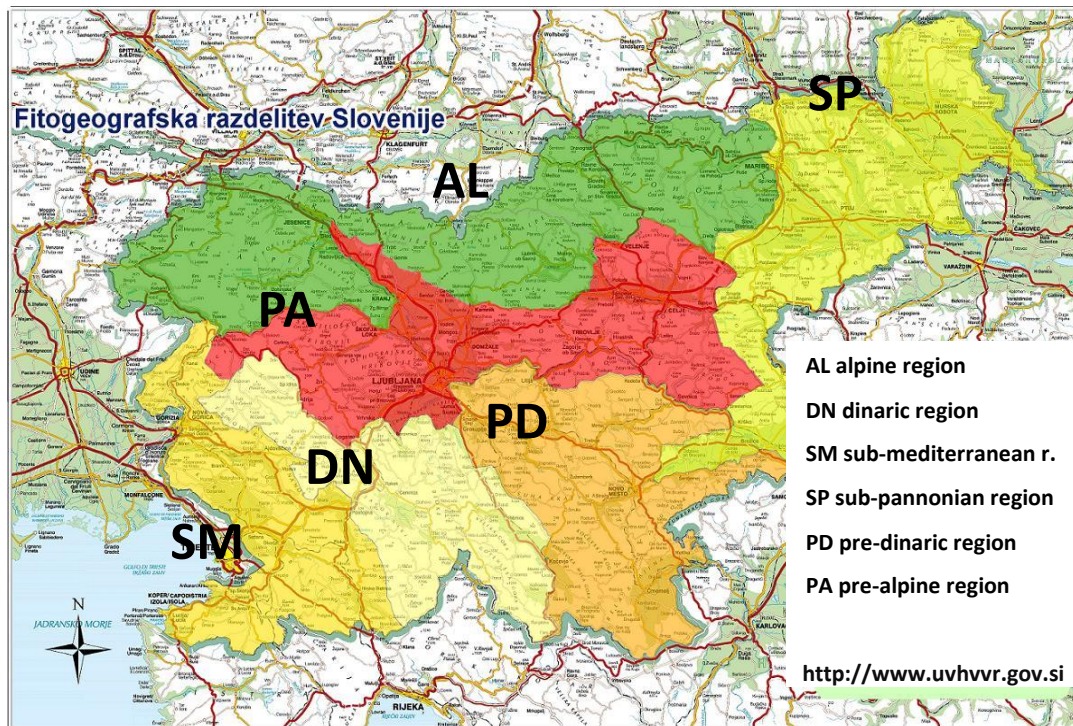


Mean duration
of snow cover
40 days



Altitude
275 m

PHYTOGEOGRAPHICAL REGIONS (UNITS) OF SLOVENIA



INDEX SEMINUM ANNO MMXIX (2019)

Collectors of the wild seeds:

mag. Ignac Janžekovič (I.J.)
dr. Anton Ivancič (A.I.)
dr. Andrej Paušič (A.P.)
Branka Veber (B.V.)
Metka Pivec (M.P.)
Janez Pivec (J.P.)
dr. Andrej Šušek (A.Š.)
Franc Mlakar (F.M.)
Sandra Janžekovič (S.J.)
Marija Tomašek (M.T.)
Alojz Škrjanec (A.Š.)
Katarina Denac (K.D.)

Seed nomenclature & origin key:

Seeds collected in the nature

10	<i>Allium ursinum</i> L.,	SI-0-MARIB2017013,	SP,	Zavrč,	I.J.
Request No.	<i>scientific name,</i>	IPEN number,	phytogeographical region,	settlement,	collector.

Semena nabrana v naravi / Seeds collected in the nature

Št. nar. / Req. no.	Botanično ime / Botanical name	Izvor in zbiralec / Origin and collector
MAGNOLIOPHYTINA (Angiospermae)		
Alliaceae		
1	<i>Allium ursinum</i> L.	SI-0-MARIB2017013, SP, Zavrč, I.J.
Amaranthaceae		
2	<i>Amaranthus retroflexus</i> L.	SI-0-MARIB-2022226, SP/Brstje/Ptuj
Apiaceae		
3	<i>Anthriscus sylvestris</i> (L.) Hoff.	SI-0-MARIB-2019015, SP, Ptuj, Brstje, I.J.
4	<i>Heracleum sphondylium</i> L. subsp. <i>sphondylium</i>	SI-0-MARIB-2019083, SP, Ptuj, Brstje, I.J.
5	<i>Heracleum mantegazzianum</i> Somm. et Lev.	SI-0-MARIB-2022256, SP/Brstje/Ptuj/I.J.
Araliaceae		
6	<i>Hedera helix</i> L.	SI-0-MARIB-2019075, SP, Žetale, I.J.
Asteraceae		
7	<i>Arctium lappa</i> L.	SI-0-MARIB-2019018, SP, Studenci, I.J.
8	<i>Arnica montana</i> L.	SI-0-MARIB-2022228, AL(K)/Petelinjek/Karavanke/K.D.
9	<i>Bupthalamum salicifolium</i> L.	SI-0-MARIB-2022229, PD/Mala Slevica pri Velikih Laščah/K.D.
10	<i>Centaurea cyanis</i> L.	SI-0-MARIB-2021194, SP, Brstje, Ptuj, I.J.
11	<i>Centaurea cyanis</i> L.	SI-0-MARIB-2022232, PD/Mala Slevica pri Velikih Laščah/K.D.
12	<i>Erigerum acris</i> L.	SI-0-MARIB-2022245, PD/Kot pri Veliki Slevici blizu Velikih Lašč/K.D.
13	<i>Leontopodium alpinum</i> Cass.	SI-1-MARIB-2022269, AL(J)/Veliki Draški vrh/Julijske Alpe/K.D.
Asphodelaceae		
14	<i>Anthericum ramosum</i> L.	SI-0-MARIB-2022227, PA/Bohinjsko jezero/Bohinj/K.D.
Brassicaceae		
15	<i>Lunaria annua</i> L.	SI-0-MARIB-2017097, PD, Mali Vrh, M.P.
16	<i>Lunaria annua</i> L.	SI-0-MARIB-2021202, SP, Miklavž na Dr.polju, I.J.
17	<i>Thlaspi arvense</i> L.	SI-0-MARIB-2017169, SP, Ptuj, Rogoznica, I.J.
Campanulaceae		
18	<i>Campanula persicifolia</i> L.	SI-0-MARIB-2022231, SP/Zgornji Slemen/I.J.
Caprifoliaceae		

20	<i>Lonicera nigra</i> L.	SI-0-MARIB-2020197, AL, Zajamniki, B.V.
Caryophyllaceae.		
21	<i>Agrostemma githago</i> L.	SI-1-MARIB-2022225, PD/Mala Slevica pri Velikih Laščah/K.D
22	<i>Dianthus barbatus</i>	SI-0-MARIB-2022238, PD/Mala Slevica pri Velikih Laščah/K.D.
22	<i>Silene vulgaris</i> (Moench) Garcke	SI-0-MARIB-2022281, SP/Brstje/Ptuj/I.J.
Cichoriaceae		
24	<i>Tragopogon pratensis</i> L. subsp.orientalis (L.) Čelak.	SI-0-MARIB-2017171, SP, Šturmovec, I.J.
25	<i>Tragopogon pratensis</i> L. subsp.orientalis (L.) Čelak.	SI-0-MARIB-2019172, SP, Ptuj,Brstje, I.J.
26	<i>Tragopogon pratensis</i> L.subsp.orientalis(L.)Čelak.	SI-0-MARIB-2022285, SP/Brstje/Ptuj/I.J.
Colchicaceae		
27	<i>Colchicum autumnale</i> L.	SI-0-MARIB-2017044, SP, Zavrč, I.J.
28	<i>Colchicum autumnale</i> L.	SI-0-MARIB-2022235, SP/Šturmovec/I.J.
Cucurbitaceae		
29	<i>Ecballium elaterium</i> (L.) Rich.	SI-0-MARIB-2020190, SP, Brežice, A.I.
Cyperaceae		
30	<i>Cyperus esculentus</i> L.	XX-0-MARIB-2022237, Pivola, I.J.
Fabaceae		
31	<i>Trifolium arvense</i> L.	SI-0-MARIB-2022286, SP/Goričko/Maretinje/K.D.
Hyacinthaceae		
32	<i>Ornithogalum umbellatum</i> L.	SI-0-MARIB-2019117, SP, Ptuj, Brstje, I.J
Gentianaceae		
33	<i>Cxentaurium erythraea</i> Rafn	SI-0-MARIB-2022233, PD/Mala Slevica pri Velikih Laščah/K.D.
34	<i>Gentiana clusii</i> Perr. Et Song.	SI-0-MARIB-2022249, AL(K)/med Kofco Goro in Velikim Kladivom/Karavanke/K.D.
35	<i>Gentiana pneumonanthe</i> L.	SI-1-MARIB-2022, PD/Kaplanovo/Mišja dolina pri Velikih Laščah/K.D.
Globulariaceae		
36	<i>Globularia punctata</i> Lapeyr.	SI-0-MARIB-2022253, PD/Mala Slevica pri Velikih Laščah/K.D.
Iridaceae		
37	<i>Gladiolus illyricus</i> Koch	SI-1-MARIB-2022251, PD/Trzne/Planinsko polje/K.D.
Lamiaceae		
38	<i>Leonurus cardiaca</i> L.	SI-1-MARIB-2016093, SP, Pivola, I.J.
39	<i>Salvia pratensis</i> L.	SI-0-MARIB-2017148, SP, Šturmovec, I.J.
Malvaceae		
40	<i>Malva alcea</i> L.	SI-0-MARIB-2022262, SP/Lončarovci/Goričko/K.D.

Orchidaceae	
41	Epipactis palustris (L.)Crantz
42	Gymnadenia conopsea(L.)R.Br.
Parnassiaceae	
43	Parnassia palustris L.
44	Parnassia palustris L.
Plantaginaceae	
45	Plantago media L.
Poaceae	
46	Briza maxima L.
47	Hordeum vulgare L.
Primulaceae	
48	Primula auricula L.
Ranunculaceae	
49	Helleborus niger L.
50	Eranthis hyemalis (L.) Salisb.
51	Eranthis hyemalis (L.) Salisb.
52	Pulsatilla grandis Wender.
53	Pulsatilla nigricans Storck.
54	Ranunculus arvensis L.
55	Trollius europaeus L.
Rubiaceae	
56	Galium verum L.
Rosaceae	
57	Filipendula vulgaris Moench
58	Dryas octopetala L.
59	Sanguisorba officinalis L.
Ruscaceae	
60	Ruscus aculeatus L.

SI-1-MARIB-2022242, PD/Jazbina/Črni Potok pri Velikih Laščah/K.D.

SI-1-MARIB-2022255, PD/Jazbina/Črni Potok pri Velikih Laščah/K.D.

SI-0-MARIB-2022267,

PA/Altemaver/Ratitovec/K.D.

SI-0-MARIB-2022268, PD/Kaplanovo/Mišja dolina pri Velikih Laščah/K.D.

SI-0-MARIB-2022269, PD/Mala Slevica pri Velikih Laščah/K.D.

SI-0-MARIB-2017027, SP, Trdobjoci, I.J.

SI-0-MARIB-2022257, SP/Brstje/Ptuj/I.J.

SI-0-MARIB-2022270, Al(J)/Veliki Draški vrh/Julijske Alpe/K.D.

SI-0-MARIB-2017080, AL, Golte pri Mozirju, A.Š.

SI-1-MARIB-2020192, SP, Razvanje, M.P.

SI-1-MARIB.2022243, SP/Hardek/Ormož/A.Š.

SI-1-MARIB-2021187, SP, Boč, I.J.

SI-1-MARIB-2021188, SP, Brstje-Skorba, Ptuj, I.J.,F.M.

SI-0-MARIB-2022274, PD/Mala Slevica pri Velikih Laščah/K.D.

SI-0-MARIB-2022288, AL(J)/Veliki Draški vrh/Julijske Alpe/K.D.

SI-0-MARIB-2022248, PD/Mala Slevica pri Velikih Laščah/K.D.

SI-0-MARIB-2022247, PD/Mala Slevica pri Velikih Laščah/K.D.

SI-0-MARIB2022241, AL(J)Veliki Draški vrh/Julijske Alpe/K.D.

SI-0-MARIB-2022279, SP/Dolenci/Goričko/K.D.

SI-1-MARIB-2019145, SM, Pomjan, B.V.

Saxifragaceae		
61	<i>Saxifraga aizoides</i> L.	SI-0-MARIB-2022280, AL(K)/Veliki vrh nad Kofcami/Karavanke/K.D.
Scrophulariaceae		
62	<i>Digitalis grandiflora</i> Miller	SI-0-MARIB-2022239, AL(K)/planina Kofce/Karavanke/K.D.
63	<i>Euphasia rostkoviana</i> Hayne	SI-0-MARIB-2021198, SP, Brstje, Ptuj, I.J.
64	<i>Linaria alpina</i> (L.) Miller	SI-0-MARIB-2022261, AL(J)/Jezerca nad Planino Konjščica/Julijske Alpe/K.D.
65	<i>Linaria vulgaris</i> Miller	SI-0-MARIB-2021203, Sv.Urban, Kamnica, B.V.
66	<i>Scrophularia juratensis</i> Schleicher	SI-0-MARIB-2022281, AL(J)/Mali Draški Vrh/Julijske Alpe/K.D.
67	<i>Verbascum phoeniceum</i> L.	SI-0-MARIB-2022290, SP/Kančevci/Goričko/K.D.
Thymelaeaceae		
68	<i>Daphne mezereum</i> L.	SI-0-MARIB-2020188, AL, Završnica, Zelenica, B.V.
Valerianaceae		
69	<i>Valeriana officinalis</i> L.	SI-0-MARIB-20222890, SP/Brstje/Ptuj/I.J.

Semena nabrana v vrtu in semena gojenih rastlin / Seeds collected in the garden and seeds of cultivated plants

Št. nar. / Req. no.	Botanično ime / Botanical name	Izvor in zbiralec / Origin and collector
CONIFEROPHYTINA (Gymnospermae)		
Pinaceae		
70	<i>Picea abies</i> (L.) Karsten	XX-0-MARIB-2019125, Pivola, I.J.
71	<i>Pinus pinea</i> L.	XX-0-MARIB-2019126, Pivola, I.J.
72	<i>Pinus ponderosa</i> Dougl. ex Laws.	XX-0-MARIB-2015127, Pivola, I.J.
Taxaceae		
73	<i>Taxus baccata</i> L.	XX-1-MARIB-2015167, Pivola, I.J.
74	<i>Torreya grandis</i> Fort.	XX-0-MARIB-2016170, Pivola, I.J.
Taxodiaceae		
75	<i>Cunninghamia lanceolata</i> (Lamb.) Hook.	XX-0-MARIB-2015057, Pivola, I.J.
MAGNOLIOPHYTINA (Angiospermae)		
Acanthaceae		
76	<i>Acanthus spinosus</i> L.	XX-0-MARIB-2016001, Pivola, I.J.

Aceraceae		
77	<i>Acer campestre</i> L.	XX-0-MARIB-2015002, Pivola, I.J.
78	<i>Acer tataricum</i> L. ssp. <i>ginnala</i> (Maxim.) Wesm.	XX-0-MARIB-2015003, Pivola, I.J.
79	<i>Acer negundo</i> L.	XX-0-MARIB-2021209, Čakovec, Hrvatska, M.T.
Alliaceae		
80	<i>Allium angulosum</i> L.	SI-1-MARIB-2017011, Pivola, I.J.
81	<i>Allium schoenoprasum</i> L.	XX-0-MARIB-2016012, Pivola, I.J.
Amaranthaceae		
82	<i>Chenopodium quinoa</i> Willd.	XX-0-MARIB-2020185, Pivola, I.J.
Amaryllidaceae		
83	<i>Galanthus nivalis</i> L.	XX-1-MARIB-2017069, Pivola, I.J.
84	<i>Leucojum vernum</i> L.	XX-0-MARIB-2016095, Pivola, I.J.
Annonaceae		
85	<i>Asimina triloba</i> (L.) Michel Felix Dunal	XX-0-MARIB-2019023, Pivola, I.J.
86	<i>Asimina triloba</i> (L.) Michel Felix Dunal	XX-0-MARIB-2021, Pivola, I.J.
Apiaceae		
87	<i>Coriandrum sativum</i> L.	XX-0-MARIB-2022236, Pivola, I.J.
88	<i>Foeniculum vulgare</i> Mill.	XX-0-MARIB-2015068, Pivola, I.J.
89	<i>Heracleum mantegazzianum</i> Somm. et Lev.	XX-0-MARIB-2015081, Pivola, I.J.
90'	<i>Heracleum mantegazzianum</i> Somm. et Lev.	XX-0-MARIB-2019082, Pivola, I.J.

Št. nar. / Req. no.	Botanično ime / Botanical name	Izvor in zbiralec / Origin and collector
Apocynaceae		
91	<i>Amsonia tabernaemontana</i> Walter	XX-0-MARIB-2015014, Pivola, I.J.
Araliaceae		
92	<i>Aralia racemosa</i> L.	XX-0-MARIB-2017016, Pivola, I.J.
Arecaceae		
93	<i>Phoenix dactylifera</i> L.	XX-0-MARIB-2019124, Tunisia, A.P.
Aristolochiaceae		
94	<i>Aristolochia clematitis</i> L.	XX-0-MARIB-2017019, Pivola, I.J.
Asphodelaceae		
95	<i>Asphodeline lutea</i> (L.) Rchb.	XX-1-MARIB-2016024, Pivola, I.J.
96	<i>Eremurus robustus</i> Regel	XX-0-MARIB-2020193, Pivola, I.J.

97	<i>Eremurus robustus</i> Regel	XX-0-MARIB-2022244, Pivola, I.J.
Asteraceae		
98	<i>Achillea filipendulina</i> Lam.	XX-0-MARIB-2017004, Pivola, I.J.
99	<i>Achillea filipendulina</i> Lam.	XX-0-MARIB-2019005, SP, Ptuj, Brstje, I.J.
100	<i>Achillea millefolium</i> L.	XX-0-MARIB-2016006, Pivola, I.J.
101	<i>Artemisia abrotanum</i> L.	XX-0-MARIB-2016020, Pivola, I.J.
102	<i>Artemisia annua</i> L.	XX-0-MARIB2016021, Pivola, I.J.
103	<i>Artemisia dracunculus</i> L.	XX-0-MARIB-2016022, Pivola, I.J.
104	<i>Calendula officinalis</i> L.	XX-0-MARIB-2016029, Pivola, I.J.
105	<i>Calendula officinalis</i> L.	XX-0-MARIB-2021190, Pivola, I.J.
106	<i>Calendula officinalis</i> L.	XX-0-MARIB-2022230, Pivola, I.J.
107	<i>Chamomilla recutita</i> (L.) Rauschert	XX-0-MARIB-2017038, Pivola, I.J.
108	<i>Chamomilla recutita</i> (L.) Rauschert	XX-0-MARIB-2021207, Pivola, I.J.
109	<i>Echinacea purpurea</i> (L.) Moench.	XX-0-MARIB-2016060, Pivola, I.J.
110	<i>Echinacea purpurea</i> (L.) Moench.	XX-0-MARIB-2020191, SP, Brstje, Ptuj, I.J.
111	<i>Echinacea purpurea</i> (L.) Moench.	XX-0-MARIB-2021210, Pivola, I.J.
112	<i>Eupatorium cannabinum</i> L.	XX-0-MARIB-2015066, Pivola, I.J.
113	<i>Helichrysum italicum</i> (Roth.) G. Don fil.	XX-0-MARIB-2016076, Pivola, I.J.
114	<i>Inula helenium</i> L.	XX-0-MARIB-2016088, Pivola, I.J.
115	<i>Leucantheum ircutianum</i> (Turcz.) DC.	XX-0-MARIB-2017094, Pivola, I.J.
116	<i>Silphium perfoliatum</i> L.	XX-0-MARIB-2015154, Pivola, I.J.
117	<i>Silybum marianum</i> (L.) Gaertner.	XX-0-MARIB-2016155, Pivola, I.J.
118	<i>Solidago virgaurea</i> L.	XX-0-MARIB-2016157, Pivola, I.J.
119	<i>Tanacetum balsamita</i> L.	XX-0-MARIB-2016164, Pivola, I.J.
120	<i>Tanacetum parthenium</i> (L.) Schultz Bip.	XX-0-MARIB-2016165, Pivola, I.J.
121	<i>Tanacetum vulgare</i> L.	XX-0-MARIB-2016166, Pivola, I.J.
122	<i>Telekia speciosa</i> (Schreber) Baumg.	XX-0-MARIB-2022282, Vinica, Hrvaška, I.J.
Bignoniaceae		
123	<i>Campsis radicans</i> (L.) Seeman ex Bureau	XX-0-MARIB-2019030, SP, Makole, I.J.
124	<i>Symphytum officinale</i> L.	XX-0-MARIB-2016163, Pivola, I.J.

Št. nar. / Req. no.	Botanično ime / Botanical name	Izvor in zbiralec / Origin and collector
Brassicaceae		
125	<i>Crambe cordifolia</i> Stev.	XX-0-MARIB-2017047, Pivola, I.J.
126	<i>Eruca sativa</i> Miller	XX-0-MARIB-2021208, Pivola, M.P.
127	<i>Eruca sativa</i> Miller	XX-0-MARIB-2022246, Pivola, I.J.
128	<i>Isatis tinctoria</i> L.	XX-0-MARIB-2021192, Pivola, M.P.
129	<i>Isatis tinctoria</i> L.	XX-0-MARIB-2022258, Pivola, I.J.
Caesalpiniaceae		
130	<i>Cercis siliquastrum</i> L.	XX-1-MARIB-2016037, Pivola, I.J.

	Calycanthaceae	
131	<i>Calycanthus floridus</i> L.	XX-0-MARIB-2021189, Pivola, I.J.
132	<i>Chimonanthus praecox</i> (L.) Link	XX-0-MARIB-2020186, SP, Brstje, Ptuj, I.J.
	Campanulaceae	
133	<i>Platycodon grandiflorus</i> (Jacq.) A.Dc.	XX-0-MARIB-2017129, Pivola, I.J.
	Cannabaceae	
134	<i>Cannabis sativa</i> L.	XX-0-MARIB-2018031, SP, Lendava, A.P.
135	<i>Cannabis sativa</i> L.	XX-0-MARIB-2019032, SP, Ptuj, Brstje, I.J.
136	<i>Cannabis sativa</i> L.	XX-0-MARIB-2021185, Pivola, I.J.
	Capparidaceae	
137	<i>Cleoma spinosa</i> Jacq.	XX-0-MARIB-2022234, Pivola, I.J.
	Carpinaceae	
138	<i>Carpinus betulus</i> L.	XX-0-MARIB-2016034, Pivola, I.J.
	Carryophyllaceae	
139	<i>Agrostemma githago</i> L.	XX-1-MARIB-2017009, Pivola, I.J.
140	<i>Agrostemma githago</i> L.	XX-1-MARIB-2016008, Pivola, I.J.
141	<i>Agrostemma githago</i> L.	XX-1-MARIB-2020184, Pivola, I.J.
142	<i>Agrostemma githago</i> L.	XX-1-MARIB-2022224, Pivola, I.J.
143	<i>Saponaria officinalis</i> L.	XX-0-MARIB-2016151, Pivola, I.J.
	Cactaceae	
144	<i>Opuntia ficus-indica</i> L.	XX-0-MARIB-2022264, Pag, Hrvaška, I.J.
	Celastraceae	
145	<i>Euonymus kiautschovicus</i> Loes.	XX-0-MARIB-2016065, Pivola, I.J.
	Cichoriaceae	
146	<i>Hieracium aurantiacum</i> L.	XX-0-MARIB-2017084, Pivola, I.J.
147	<i>Cichorium intybus</i> L.	SI-0-MARIB-2020187, SP, Pivola, Ran.vila, J.P.
	Commelinaceae	
148	<i>Commelina communis</i> L.	XX-0-MARIB-2019045, SP, Ptuj, Brstje, I.J.
	Convallariaceae	
149	<i>Convallaria majalis</i> L.	XX-1-MARIB-2017046, Pivola, I.J.
	Cucurbitaceae	
150	<i>Cucumis dipsaceus</i> Ehrenb. ex Spach	XX-0-MARIB-2019048, SP, Brežice, A.I.
151	<i>Cucurbita maxima</i> Duchesne	XX-0-MARIB-2019049, Pivola, I.J.
152	<i>Cucurbita moschata</i> Duchesne ex Poir.	XX-0-MARIB-2019050, Pivola, I.J.

153	<i>Cucurbita moschata</i> Duchesne ex Poir.	XX-0-MARIB-2019051, SP, Ptuj, Nova vas, I.J.
154	<i>Cucurbita okeechobeensis</i> (Small) L.H.Bailey	XX-0-MARIB-2019052, Pivola, I.J.
155	<i>Cucurbita pepo</i> L.	XX-0-MARIB-2019053, Pivola, I.J.
156	<i>Cucurbita pepo</i> L.	XX-0-MARIB-2019054, SP, Ptuj, Brstje, I.J.
157	<i>Cucurbita pepo</i> L.	XX-0-MARIB-2019055, SP, Ptuj, Brstje, I.J.

Št. nar. / Req. no.	Botanično ime / Botanical name	Izvor in zbiralec / Origin and collector
Cucurbitaceae		
158	<i>Cucurbita pepo</i> L.	XX-0-MARIB-2019056, Pivola, I.J.
159	<i>Cyclanthea pedata</i> (L.) Schrader	XX-0-MARIB-2018058, Pivola, A.I.
160	<i>Trichosanthes kirilowii</i> Maxim.	XX-0-MARIB-2021212, SP, Brežice, A.I.
Dipsacaceae		
161	<i>Cephalaria gigantea</i> (Ledeb.) Bobrov	XX-0-MARIB-2016036, Pivola, I.J.
Ericaceae		
162	<i>Arbutus unedo</i> L.	XX-0-MARIB-2019017, Hrvaška, Vis, B.V.
	<i>Rhododendron luteum</i> Sweet	XX-0-MARIB-2022275, Vinica, Hrvaška, I.J.
163		
Euphorbiaceae		
164	<i>Ricinus communis</i> L.	XX-0-MARIB-2016136, Pivola, I.J.
165	<i>Ricinus communis</i> L.	XX-0-MARIB-2017137, Pivola, I.J.
166	<i>Ricinus communis</i> L.	XX-0-MARIB-2019138, Pivola, I.J.
Fabaceae		
167	<i>Galega officinalis</i> L.	XX-0-MARIB-2016070, Pivola, I.J.
168	<i>Galega orientalis</i> Lam.	XX-0-MARIB-2017071, Pivola, I.J.
169	<i>Gleditsia triacanthus</i> L.	XX-0-MARIB-2022252, Pag, Hrvaška, I.J.
170	<i>Glycyrrhiza glabra</i> L.	XX-0-MARIB-2020194, Pivola, I.J.
171	<i>Glycyrrhiza glabra</i> L.	XX-0-MARIB-2022254, Pivola, I.J.
172	<i>Lupinus perennis</i> L.	XX-0-MARIB-2016098, Pivola, I.J.
173	<i>Lupinus perennis</i> L.	XX-0-MARIB-2018099, Pivola, I.J.
174	<i>Macroptilium lathyroides</i> (L.) Urb.	XX-0-MARIB-2016102, Pivola, I.J.
175	<i>Mimosa pudica</i> L.	XX-0-MARIB-2018108, Pivola, I.J.
176	<i>Sophora japonica</i> L.	XX-0-MARIB2020202, Hrvatska, Čakovec, I.J.
177	<i>Spartium junceum</i> L.	SI-0-MARIB2020206, SP, Pivola-FKBV, J.P.
Geraniaceae		
178	<i>Geranium sanguineum</i> L.	XX-0-MARIB-2018072, Pivola, I.J.
Hypericaceae		

179	<i>Hypericum perforatum</i> L.	XX-0-MARIB-2016086, Pivola, I.J.
Iridaceae		
180	<i>Belamcanda chinensis</i> (L.) DC	XX-0-MARIB2016025, Pivola, I.J.
Iridaceae		
181	<i>Belamcanda chinensis</i> (L.) DC	XX-0-MARIB-2021195, Pivola, I.J.
182	<i>Iris croatica</i> I. Horvat & M.D. Horvat	XX-1-MARIB-2017089, Pivola, I.J.
183	<i>Iris graminea</i> L.	XX-1-MARIB-2017090, Pivola, I.J.
184	<i>Iris sibirica</i> L.	XX-1-MARIB-2016091, Pivola, I.J.
Juncaceae		
185	<i>Juncus effusus</i> L.	XX-0-MARIB-2016092, Pivola, I.J.
Lamiaceae		
186	<i>Dracocephalum moldavica</i> L.	XX-0-MARIB-2021200, SP, Cvetkovci, S.J. XX-0-MARIB-2022240, Pivola, I.J.
187	<i>Dracocephalum moldavica</i> L.	
188	<i>Horminum pyrenaicum</i> L.	XX-0-MARIB-2017085, Pivola, I.J.
Št. nar. / Req. no.	Botanično ime / Botanical name	Izvor in zbiralec / Origin and collector
Lamiaceae		
189	<i>Hyssopus officinalis</i> L.	XX-0-MARIB-2016087, Pivola, I.J.
190	<i>Hyssopus officinalis</i> L.	XX-0-MARIB-2021204, Pivola, I.J.
191	<i>Leonurus cardiaca</i> L.	SI-1-MARIB-2016093, Pivola, I.J.
192	<i>Leonurus cardiaca</i> L.	XX-1-MARIB-2021201, Pivola, I.J.
193	<i>Marrubium vulgare</i> L.	XX-0-MARIB-2016104, Pivola, I.J.
194	<i>Melissa officinalis</i> L.	XX-0-MARIB-2016105, Pivola, I.J.
195	<i>Ocimum basilicum</i> L.	XX-0-MARIB-2019113, SP, Ptuj, Brstje, I.J.
196	<i>Origanum creticum</i> L.	XX-0-MARIB-2016115, Pivola, I.J.
197	<i>Origanum creticum</i> L.	XX-0-MARIB-2021205, Pivola, I.J.
198	<i>Origanum vulgare</i> L.	XX-0-MARIB-2016116, Pivola, I.J.
199	<i>Origanum vulgare</i> L.	XX-0-MARIB-2022265, Pivola, I.J.
200	<i>Rosmarinus officinalis</i> L.	XX-0-MARIB-2022276, Pivola, M.P.
201	<i>Salvia lavandulifolia</i> Vahl	XX-0-MARIB-2016147, Pivola, I.J.
202	<i>Salvia sclarea</i> L.	XX-0-MARIB-2022278, Pivola, I.J.
203	<i>Satureja hortensis</i> L.	XX-0-MARIB-2019152, Pivola, I.J.
204	<i>Satureja montana</i> L.	XX-0-MARIB-2016153, Pivola, I.J.
205	<i>Stachys lanata</i> Jacq.	XX-0-MARIB-2015162, Pivola, I.J.
Linaceae		

206	<i>Linum usitatissimum</i> L.	XX-0-MARIB-2020196, Pivola, I.J.
Lythraceae		
207	<i>Lythrum salicaria</i> L.	XX-0-MARIB-2016101, Pivola, I.J.
208	<i>Punica granatum</i> L.	SI-1-MARIB-2021188, Pag/Hrvaška, I.J.
Magnoliaceae		
209	<i>Liriodendron tulipifera</i> L.	XX-0-MARIB-2015096, Pivola, I.J.
Malvaceae		
210	<i>Abelmoschus esculentus</i> (L.) Moench	XX-0-MARIB-2022222, Pivola, M.P.
211	<i>Malva sylvestris</i> L.	XX-0-MARIB-2016103, Pivola, I.J.
212	<i>Tilia henryana</i> Szyszyl.	XX-0-MARIB-2022283, Pivola, I.J.
213	<i>Tilia tomentosa</i> Moench	XX-0-MARIB-2022284, Pivola, I.J.
Martyniaceae		
214	<i>Proboscidea louisiana</i> (Mill.) Thell.	XX-0-MARIB-2022271, Pivola, I.J.
Mimosaceae		
215	<i>Albizia julibrissin</i> Durazz.	XX-0-MARIB-2022223, Varaždin/Hrvatska, I.J.
Onagraceae		
216	<i>Oenothera missouriensis</i> L.	XX-0-MARIB-2019114, SP, Ormož, Hardek, I.J.
Papaveraceae		
217	<i>Chelidonium majus</i> L.	XX-0-MARIB-2016040, Pivola, I.J.
218	<i>Eschscholzia californica</i> Cham.	XX-0-MARIB-2016062, Pivola, I.J.
219	<i>Eschscholzia californica</i> Cham.	XX-0-MARIB-2017063, Pivola, I.J.
220	<i>Eschscholzia californica</i> Cham.	XX-0-MARIB-2019064, SP, Ormož, Hardek, I.J.
221	<i>Papaver rhoeas</i> L.	XX-0-MARIB-2016119, Pivola, I.J.
222	<i>Papaver somniferum</i> L.	XX-0-MARIB-2020198, Pivola, I.J.
Plantaginaceae		
223	<i>Plantago lanceolata</i> L.	XX-0-MARIB-2017128, Pivola, I.J.
Poaceae		
224	<i>Aegilops</i> sp. <i>Bouteloua gracilis</i> (Wild ex Kunth) Lag. ex Griffiths	XX-0-MARIB-2020183, SP, Brežice, A.I.
225		XX-0-MARIB-2017026, Pivola, I.J.
226	<i>Calamagrostis brachytricha</i> Steud.	XX-0-MARIB-2016028, Pivola, I.J.
227	<i>Chasmanthium latifolium</i> (Michx) Yates	XX-0-MARIB-2016039, Pivola, I.J.
228	<i>Deschampsia cespitosa</i> (L.) Beauv.	XX-0-MARIB-2020189, Pivola, I.J.

229	Eragrostis tef (Zucc.) Trotter	XX-0-MARIB-2018061, Pivola, I.J.
230	Hordeum vulgare L.	XX-0-MARIB-2020195, Pivola, A.I.
231	Hordeum vulgare L.	XX-0-MARIB-2021213, Pivola, I.J.
232	Oryza sativa L.	XX-0-MARIB-2019118, SP, Brežice , A.I.
233	Pennisetum alopecuroides (L.) Spreng.	XX-0-MARIB-2015121, Pivola, I.J.
234	Secale cereale L.	XX-0-MARIB2020201, Pivola, A.P.
235	Sorghum bicolor (L.) Moench *	XX-0-MARIB2020204, Pivola, I.J.
236	Sorghum bicolor (L.) Moench **	XX-0-MARIB2020205, Pivola, I.J.
237	Sorghum sp. L.	XX-0-MARIB-2018160, Pivola, A.P.
238	Triticum boeoticum Boiss.,1854	XX-0-MARIB2020207, Pivola, I.J.
239	Triticum boeoticum Boiss.,1854	XX-0-MARIB2021214, Pivola, I.J.
240	Triticum compactum Host	XX-0-MARIB2020208, Pivola, I.J.
241	Triticum compactum Host	XX-0-MARIB2021240, Pivola, I.J.
242	Triticum monococcum L.	XX-0-MARIB2020209, Pivola, I.J.
243	Triticum monococcum L.	XX-0-MARIB-2021216, Pivola, I.J.
244	Triticum sphaerococcum Percinal,1921	XX-0-MARIB2020212, Pivola, I.J.
245	Triticum sphaerococcum Percinal,1921	XX-0-MARIB-2021218, Pivola, I.J.
246	Triticum timopheevii (Zkuk.)G.Zhuk.	XX-0-MARIB2020210, Pivola, I.J.
247	Triticum timopheevii (Zkuk.)G.Zhuk.	XX-0-MARIB2021219, Pivola, I.J.
248	Triticum spelta L.	XX-0-MARIB2020211, Pivola, I.J.
249	Triticum spelta L.	XX-0-MARIB2021217, Pivola, I.J.
250	x Triticosecale Wittm. Ex A. Camus	XX-0-MARIB2020213, Pivola, I.J.

<u>Št. nar. / Req. no.</u>	<u>Botanično ime / Botanical name</u>	<u>Izvor in zbiralec / Origin and collector</u>
Poaceae		
251	Triticum dicoccum L.	XX-0-MARIB-2019173, Pivola, A.P.
252	Triticum dicoccum L.	XX-0-MARIB-2021215, Pivola, I.J.
253	Triticum zhukovskyi Manabde et Erizin	XX-0-MARIB-2019174, Pivola, A.P.
254	Triticum x zhukovskyi Manabde et Erizin	XX-0-MARIB-2021220, Pivola, I.J.
255	Zea mays L.	XX-0-MARIB-2019181, Pivola, I.J.
Polygonaceae		
256	Fagopyrum esculentum Moench	XX-0-MARIB-2019067, Pivola, I.J.
257	Rheum rhabarbarum L.	XX-0-MARIB-2021206, Pivola, M.P.
Primulaceae		
258	Lysimachia punctata L.	XX-0-MARIB-2016100, Pivola, I.J.
259	Primula veris L.	XX-0-MARIB-2017131, Pivola, I.J.
Ranunculaceae		
260	Clematis tangutica (Maxim.) Korsch.	XX-0-MARIB-2017042, Pivola, I.J.
261	Helleborus dumetorum Waldst. et Kit.	XX-0-MARIB-2017077, Pivola, I.J.
262	Helleborus foetidus L.	XX-0-MARIB-2017078, Pivola, I.J.

263	<i>Helleborus niger</i> L.	XX-0-MARIB-2017079, Pivola, I.J.
264	<i>Nigella sativa</i> L.	XX-0-MARIB-2017112, SP, Radizel, I.J.
265	<i>Pulsatilla grandis</i> Wender.	XX-1-MARIB-2016133, Pivola, I.J.
266	<i>Pulsatilla grandis</i> Wender.	XX-1-MARIB-2017134, Pivola, I.J.
267	<i>Pulsatilla grandis</i> Wendwe.	XX-1-MARIB-2021197, Pivola, I.J.
268	<i>Pulsatilla grandis</i> Wendwe.	XX-1-MARIB-2022272, SP/Brstje/Ptuj/I.J.
269	<i>Thalictrum flavum</i> L.	XX-0-MARIB-2015168, Pivola, I.J.
Resedaceae		
300	<i>Reseda lutea</i> L.	XX-0-MARIB-2017135, Pivola, I.J.
Rhamnaceae		
301	<i>Paliastrus spina-christi</i> Mill.	XX-0-MARIB-2022266, Pag, Hrvaška, I.J.
302	<i>Ziziphus jujuba</i> Mill.	XX-0-MARIB-2019182, Pivola, I.J.
Rosaceae		
303	<i>Agrimonia eupatoria</i> L.	XX-0-MARIB-2016007, Pivola, I.J.
304	<i>Agrimonia eupatoria</i> L.	XX-0-MARIB-2021191, Pivola, I.J.
305	<i>Alchemilla xanthochlora</i> Rothm.	XX-0-MARIB-2016010, Pivola, I.J.
306	<i>Geum urbanum</i> L.	XX-0-MARIB-2016073, Pivola, I.J.
307	<i>Mespilus germanica</i> L.	XX-0-MARIB-2019106, SP, Brežice, A.I.
308	<i>Mespilus germanica</i> L.	XX-0-MARIB-2019107, SP, Ptuj, Brstje, I.J.
309	<i>Potentilla chinensis</i> Ser.	XX-0-MARIB-2016130, Pivola, I.J.
310	<i>Prunus mume</i> Siebold & Zucc.	XX-0-MARIB-2019132, SP, Slov. Bistrica, I.J.
311	<i>Rhodotypos scandens</i> (Thunb.) Makino	XX-0-MARIB2020200, Pivola, I.J.
312	<i>Rosa gallica</i> L.	XX-0-MARIB-2015139, Pivola, I.J.
313	<i>Rosa nitida</i> Willd.	XX-0-MARIB-2016140, Pivola, I.J.
314	<i>Rosa rugosa</i> Thunb.	XX-0-MARIB-2016141, Pivola, I.J.
315	<i>Rosa rugosa</i> Thunb.	XX-0-MARIB-2019142, SP, Žetale, I.J.

Št. nar. / Req. no.	Botanično ime / Botanical name	Izvor in zbiralec / Origin and collector
Rosaceae		
316	<i>Sanguisorba menziesii</i> Rydb.	XX-0-MARIB-2017149, Pivola, I.J.
317	<i>Sanguisorba minor</i> Scop.	XX-0-MARIB-2016150, Pivola, I.J.
318	<i>Sorbaria sorbifolia</i> (L.) A. Braun.	XX-0-MARIB-2016158, Pivola, I.J.
319	<i>Sorbus aria</i> (L.) Crantz.	XX-0-MARIB-2016159, Pivola, I.J.
320	<i>Sorbus domestica</i> L.	XX-0 MARIB2020203, Pivola, I.J.
Rubiaceae		
321	<i>Rubia tinctorum</i> L.	XX-0-MARIB-2019143, SM, Fiesa, B.V.
322	<i>Cofea arabica</i> L.	XX-0-MARIB-2021193, Pivola, A.I.
Ruscaceae		

323	<i>Ruscus hypoglossum</i> L.	XX-1-MARIB-2016144, Pivola, I.J.
Rutaceae		
324	<i>Citrus trifoliata</i> L.	XX-0-MARIB-2019041, Pivola, I.J.
325	<i>Ruta graveolens</i> L.	XX-0-MARIB-2016146, Pivola, I.J.
326	<i>Ruta graveolens</i> L.	XX-0-MARIB-2022277, Pivola, I.J.
327	<i>Zanthoxylum americanum</i> Mill.	XX-0-MARIB-2015180, Pivola, I.J.
328	<i>Zanthoxylum americanum</i> Mill.	XX-0-MARIB-2021199, Pivola, I.J.
Sambucaceae		
329	<i>Viburnum davidii</i> Franch.	XX-0-MARIB-2015178, Pivola, I.J.
330	<i>Viburnum davidii</i> Franch.	XX-0-MARIB2020214, Pivola, I.J.
Sapindaceae		
331	<i>Koelreuteria paniculata</i> Laxm.	XX-0-MARIB2022259, Pivola, I.J.
Scrophulariaceae		
332	<i>Paulownia tomentosa</i> (Thunb. ex Murr.) Steud.	XX-0-MARIB-2015120, Pivola, I.J.
333	<i>Paulownia tomentosa</i> (Thunb. Ex Murr.) Steud.	XX-0-MARIB-2020199, Pivola, I.J.
334	<i>Paulownia tomentosa</i> (Thunb. Ex Murr.) Steud.	XX-0-MARIB-2021186, Petrijanec, Hrvaška, I.J.
Solanaceae		
335	<i>Capsicum annuum</i> L.	XX-0-MARIB-2019033, SP, Ptuj, Brstje, I.J.
336	<i>Datura stramonium</i> L.	XX-0-MARIB-2017059, SP, Ptuj, I.J.
337	<i>Mandragora officinarum</i> L.	XX-0-MARIB-2022263, Pivola, I.J.
338	<i>Nicotiana rustica</i> L.	XX-0-MARIB-2015109, Pivola, I.J.
339	<i>Nicotiana rustica</i> L.	XX-0-MARIB-2019110, SP, Brežice, A.I.
340	<i>Nicotiana tabacum</i> L.	XX-0-MARIB-2017111, SP, Lendavske gorice, A.P.
341	<i>Nicotiana tabacum</i> L.	XX-0-MARIB2021211, Pivola, M.P.
342	<i>Physalis angulata</i> L.	XX-0-MARIB-2019122, SP, Brežice, A.I.
243	<i>Physalis philadelphica</i> Lam.	XX-0-MARIB-2019123, SP, Brežice, A.I.
344	<i>Solanum aethiopicum</i> L.	XX-0-MARIB-2019156, SP, Brežice, A.I.
Sparganiaceae		
345	<i>Sparganium neglectum</i> Beeby	XX-0-MARIB-2017161, Pivola, I.J.
Styracaceae		
346	<i>Halesia carolina</i> L.	XX-0-MARIB-2016074, Pivola, I.J.
Tropaeolaceae		
347	<i>Tropaeolum majus</i> L.	XX-0-MARIB-2022287, Pivola, M.P.
Valerianaceae		
348	<i>Centranthus ruber</i> (L.) DC	XX-1-MARIB2015035, Pivola, I.J.

Št. nar. / Req. no.	Botanično ime / Botanical name	Izvor in zbiralec / Origin and collector
Valerianaceae		
349	Valeriana officinalis L.	XX-0-MARIB-2016175, Pivola, I.J.
350	Valeriana officinalis L.	XX-0-MARIB-2017176, Pivola, I.J.
		XX-0-MARIB-2022291, Pag, Hrvaška, I.J.
351	Vitex agnus - castus L.	
Verbenaceae		
352	Clerodendrum trichotomum Thunb.	XX-0-MARIB-2019043, Pivola, I.J.
353	Verbena bonariensis L.	XX-0-MARIB-2015177, Pivola, I.J.
354	Vitex agnus - castus L.	XX-0-MARIB-2015179, Pivola, I.J.
	Vitex agnus - castus L.	XX-0-MARIB-2022291, Pivola, I.J.

Nomenclature by:

1. Martinčič A. et al. MALA FLORA SLOVENIJE, Ključ za določevanje praprotnic in semenk. Tehniška založba Slovenije. 2007. 967 p.
2. Taxonomic classification system- Flora Europaea; Database of European Plants. <https://www.cabi.org>



University of Maribor Botanical Garden
Pivola 90/a
2311 Hoče
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