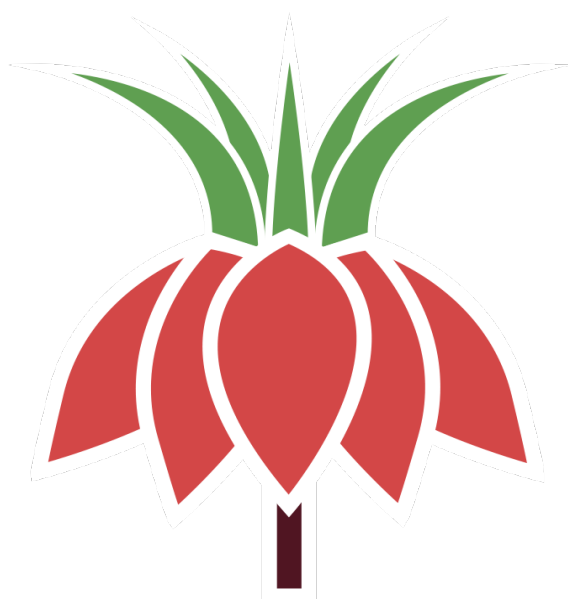


DELECTUS SEMINUM  
*Quae pro mutua commutatione offert*  
HORTUS BOTANICUS PISANUS  
**Year 2023**



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ORTO E MUSEO BOTANICO  
UNIVERSITÀ DI PISA  
**1543**

Sistema Museale di Ateneo  
Via Luca Ghini 13, I-56126 Pisa  
e-mail: [ortomuseobot@unipi.it](mailto:ortomuseobot@unipi.it)

## BOTANIC GARDEN STAFF

**Director:** Lorenzo Peruzzi

**Curator:** Marco D'Antraccoli

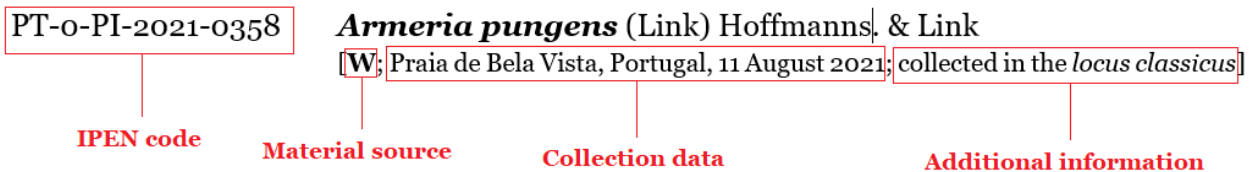
**Seed bank manager:** Giovanni Astuti

**Seed bank operators:** Luca Ciampi, Francesco Lupi

**Seed collectors for 2022:** Luca Ciampi, Jacopo Carone, Marco D'Antraccoli, Jacopo Franzoni, Gemma Giannetti, Andrea Giannotti, Giovanni Gioè, Francesco Lupi, Piero Micheletti, Lorenzo Peruzzi, Nóra Weiger, Silvia Zublena.

Visit our [website](#) for more information about the garden and the museum!

## HOW TO READ THE *INDEX SEMINUM*



- **IPEN code:** the code to be used in the request form
- **Material source:**
  - **W:** seeds collected in the wild
  - **G:** seeds collected in the Botanic Garden. When the gathering was carried out elsewhere, the source institute is reported in round bracket
  - **G(W):** seeds from plants cultivated in the Botanic Garden but originally collected in the wild. The date refers to the seed collection made in the garden
- **Collection data:** date and locality of collection
- **Additional information:** further notes

## **Pan-European seed list search keyword**

([http://www.botanicgardens.eu/EBG Seed List.pdf](http://www.botanicgardens.eu/EBG_Seed_List.pdf))

seminumsystem2023 - seminumwild2023

## **Taxonomic and nomenclatural notes**

We used the APG IV classification for angiosperm families.

For taxa recorded in Italy, we followed the nomenclature and taxonomic circumscription adopted by the [Portal to the Flora of Italy](#).

For taxa recorded abroad, we followed [World Flora Online](#).

Families and taxa within families are listed in alphabetical order.

## **Notes on propagules conservation**

After a drying stage (15 °C, 15 RH), seeds are placed in sealed containers at -20 °C for long term conservation.

## ALISMATACEAE

XX-O-PI-2020-1093 *Alisma plantago-aquatica* L.  
[G; 2022]

## AMARYLLIDACEAE

XX-O-PI-2020-0862 *Narcissus bulbocodium* L.  
[G; 2022]

XX-O-PI-2020-0029 *Narcissus tazetta* L. subsp. *aureus* (Jord. & Fourr.) Baker  
[G; 2022]

IT-O-PI-2021-0167 *Pancratium maritimum* L.  
[G(W); Calambrone, Pisa, Toscana, Italy, 2022]

XX-O-PI-2020-0860 *Tulbaghia simmleri* Beauverd  
[G; 2022]

XX-O-PI-2020-0152 *Tulbaghia violacea* Harv.  
[G; 2022]

## APIACEAE

IT-O-PI-2020-2026 *Bupleurum fruticosum* L.  
[G(W); Candeli, Bagno a Ripoli, Firenze, Toscana, Italy, 2021]

XX-O-PI-2021-0396 *Crithmum maritimum* L.  
[G; 2022]

XX-O-PI-2020-1714 *Eryngium amethystinum* L.  
[G; 2021]

XX-O-PI-2020-1054 *Eryngium maritimum* L.  
[G; 2022]

IT-O-PI-2020-2268 *Sanicula europaea* L.  
[W; between Abetone and Mt. Maiori, Pistoia, Toscana, Italy, 31 July 2020]

XX-O-PI-2020-1058 *Seseli tortuosum* L.  
[G; 2022]

IT-O-PI-2020-0259 *Tommasinia altissima* (Mill.) Reduron  
[G(W); Santa Brigida, Pontassieve, Firenze, Toscana, Italy, 2021]

## APOCYNACEAE

XX-O-PI-2020-1466 *Mandevilla laxa* (Ruiz & Pav.) Woodson  
[G; 2022]

## ARISTOLOCHIACEAE

XX-O-PI-2020-1264 *Aristolochia gigantea* Mart.  
[G; 2022]

## ASPARAGACEAE

- XX-0-PI-2020-0846 *Albuca nelsonii* N.E.Br.  
[G; 2021]
- XX-0-PI-2020-0941 *Bellevalia trifoliata* (Ten.) Kunth  
[G; 2022]
- IT-0-PI-2020-0728 *Bellevalia webbiana* Parl.  
[W; Casola Valsenio, Ravenna, Emilia-Romagna, Italy, 2022]
- XX-0-PI-2022-0293 *Brodiaea californica* Lindl. ex Lem.  
[G; 2022]
- XX-0-PI-2020-0931 *Charybdis maritima* (L.) Speta  
[G; 2022]
- XX-0-PI-2018-0003 *Dichelostemma congestum* (Sm.) Kunth  
[G; 2022]
- IT-0-PI-2020-0140 *Hyacinthoides italica* (L.) Rothm.  
[G(W); Volterra, Pisa, Toscana, Italy, 2022]
- XX-0-PI-2020-0749 *Muscari armeniacum* Leichtlin ex Baker  
[G; 2022]
- IT-0-PI-2020-2544 *Muscari botryoides* (L.) Mill.  
[G(W); Botanical Garden, Pisa, Toscana, Italy, 2022]
- XX-0-PI-2020-0959 *Muscari latifolium* J.Kirk  
[G; 2020]
- XX-0-PI-2020-0960 *Muscari neglectum* Guss. ex Ten.  
[G; 2020]
- XX-0-PI-2020-0937 *Ornithogalum exscapum* Ten.  
[G; 2022]
- IT-0-PI-2020-2374 *Prospero autumnale* (L.) Speta  
[G(W); Avane, Vecchiano, Pisa, Toscana, Italy, 2022]

## ASPHODELACEAE

- XX-0-PI-2020-0963 *Asphodeline lutea* (L.) Rchb.  
[G; 2022]
- IT-0-PI-2020-0962 *Asphodelus macrocarpus* Parl.  
[G(W); Passo Croce, Lucca, Toscana, Italy, 2022]
- XX-0-PI-2020-0005 *Asphodelus ramosus* L.  
[G; 2022]

## ASTERACEAE

- XX-0-PI-2020-1391 *Arctium lappa* L.  
[G; 2022]
- IT-0-PI-2022-0363 *Atractylis cancellata* L.

- [W; Tarsia, Cosenza, Calabria, Italy, August 2022]
- IT-0-PI-2020-2286 ***Carthamus caeruleus*** L.  
[W; Tarsia, Cosenza, Calabria, Italy, 3 September 2020]
- XX-0-PI-2020-0327 ***Catananche caerulea*** L.  
[G; 2022]
- IT-0-PI-2020-2280 ***Centaurea apolepa*** Moretti subsp. ***subciliata*** (DC.) Arcang.  
[W; Rimigliano, Livorno, Toscana, Italy, 1 September 2020]
- IT-0-PI-2020-1777 ***Centaurea arrigonii*** Greuter  
[G(W); Arni, Lucca, Toscana, Italy, 2020]
- IT-0-PI-2022-0367 ***Centaurea napifolia*** L.  
[W; Tarsia, Cosenza, Calabria, Italy, August 2022]
- XX-0-PI-2020-0030 ***Cirsium italicum*** (Savi) DC.  
[G; 2022]
- XX-0-PI-2020-2552 ***Cosmos sulphureus*** Cav.  
[G; 2022]
- IT-0-PI-2021-0356 ***Crupina vulgaris*** Cass.  
[W; San Marco Argentano Scalo, Cosenza, Calabria, Italy, 21 August 2021]
- IT-0-PI-2020-0329 ***Cynara cardunculus*** L.  
[G(W); Diaccia Botrona, Castiglion della Pescaia, Grosseto, Toscana, Italy, 2022]
- XX-0-PI-2020-0085 ***Gaillardia aristata*** Pursh  
[G; 2022]
- IT-0-PI-2021-0357 ***Gelasia villosa*** (Scop.) Cass. subsp. ***columnae*** (Guss.)  
Bartolucci, Galasso & F.Conti  
[W; Tarsia, Cosenza, Calabria, Italy, 25 August 2021]
- XX-0-PI-2020-1060 ***Jacobaea maritima*** (L.) Pelsler & Meijden  
[G; 2022]
- IT-0-PI-2020-2283 ***Klasea flavescens*** (L.) Holub subsp. ***cichoracea*** (L.) Greuter  
& Wagenitz  
[W; Monte Argentario, Grosseto, Italy, August 2020]
- IT-0-PI-2020-0731 ***Leucanthemum ligusticum*** Marchetti, Bernardello, Melai &  
Peruzzi  
[G(W); Rocchetta di Vara, La Spezia, Liguria, Italy, 2020]
- XX-0-PI-2021-0091 ***Liatris spicata*** (L.) Willd.  
[G; 2021]
- XX-0-PI-2020-0401 ***Solidago canadensis*** L.  
[G; 2021]
- XX-0-PI-2020-1218 ***Tanacetum cinerariifolium*** (Trevir.) Sch.Bip.  
[G; 2022]

## BASELLACEAE

XX-0-PI-2009-0001 *Basella alba* L.  
[G; 2022]

## BERBERIDACEAE

XX-0-PI-2020-1212 *Podophyllum peltatum* L.  
[G; 2022]

## BORAGINACEAE

IT-0-PI-2022-0364 *Onosma echioides* (L.) L. subsp. *echioides*  
[W; Cozzo Cacarsella, Cosenza, Calabria, Italy, 24 August 2022]

## BRASSICACEAE

IT-0-PI-2020-2282 *Alyssoides utriculata* (L.) Medik. subsp. *utriculata*  
[W; Sasso di Castro, Firenzuola, Firenze, Toscana, Italy, 1 September 2020]

XX-0-PI-2020-1409 *Brassica nigra* (L.) W.D.J.Koch  
[G; 2022]

XX-0-PI-2020-0396 *Isatis tinctoria* L.  
[G; 2021]

IT-0-PI-2020-0287 *Lunaria annua* L.  
[G(W); Il Romito, Livorno, Toscana, Italy, 2022]

IT-0-PI-2020-2281 *Odontarrhena bertolonii* (Desv.) Jord. & Fourr. subsp.  
*bertolonii*  
[W; Corno al Bufalo, Monteverdi Marittimo, Pisa, Toscana, Italy, 2020]

## BROMELIACEAE

XX-0-PI-2020-1519 *Dyckia rariflora* Schult. & Schult.f.  
[G; 2022]

## CACTACEAE

XX-0-PI-2020-1895 *Ferocactus glaucescens* (DC.) Britton & Rose  
[G; 2022]

XX-0-PI-2020-1874 *Neobuxbaumia polylopha* (DC.) Backeb.  
[G; 2020]

XX-0-PI-2020-1879 *Mammillaria bombycina* Quehl  
[G; 2022]

XX-0-PI-2020-1886 *Mammillaria spinosissima* Lem.  
[G; 2022]

## CALYCANTHACEAE

XX-o-PI-2020-1945 *Chimonanthus praecox* (L.) Link  
[G; 2021]

## CAMPANULACEAE

XX-o-PI-2020-0135 *Campanula bononiensis* L.  
[G; 2022]

IT-o-PI-2020-2290 *Campanula medium* L.  
[G(Giardino Botanico Maria Ansaldi Pania di Corfino); 2020]

IT-o-PI-2020-0138 *Campanula trachelium* L.  
[G(W); Molina di Quosa, San Giuliano Terme, Pisa, Toscana, Italy, 2022]

## CAPRIFOLIACEAE

IT-o-PI-2020-2285 *Cephalaria leucantha* Roem. & Schult.  
[W, Frascineto, Cosenza, Calabria, Italy, 1 September 2020]

IT-o-PI-2021-0350 *Cephalaria syriaca* (L.) Roem. & Schult.  
[W, Diga di Tarsia, Cosenza, Calabria, Italy, 22 August 2021]

IT-o-PI-2022-0369 *Lomelosia crenata* (Cirillo) Greuter & Burdet  
[W; Cozzo Cacarsella, Cosenza, Calabria, Italy, 24 August 2022]

XX-o-PI-2020-0370 *Lomelosia cretica* (L.) Greuter & Burdet  
[G; 2022]

IT-o-PI-2022-0362 *Sixalix atropurpurea* (L.) Greuter & Burdet  
[W; S. Marco Argentano, Calabria, Italy, August 2022]

## CARYOPHYLLACEAE

IT-o-PI-2021-0355 *Agrostemma githago* L. subsp. *githago*  
[W; Tarsia, Cosenza, Calabria, Italy, 28 August 2021]

IT-o-PI-2021-0351 *Dianthus balbisii* Ser. subsp. *balbisii*  
[W; Tarsia, Cosenza, Calabria, Italy, 17 August 2021]

IT-o-PI-2020-1764 *Dianthus seguieri* Vill.  
[(G)W; Pian della Fioba - Orto Botanico "Pellegrini-Ansaldi", 2020]

IT-o-PI-2020-2288 *Saponaria officinalis* L.  
[W; Fiume Crati, Tarsia, Cosenza, Calabria, Italy, 28 August 2020]

XX-o-PI-2020-1053 *Silene canescens* Ten.  
[G; 2022]

IT-o-PI-2022-0365 *Silene conica* L.  
[W; Cozzo Cacarsella, Cosenza, Calabria, Italy, 24 August 2022]

XX-o-PI-2020-1062 *Silene otites* (L.) Wibel  
[G; 2022]



## CISTACEAE

- XX-0-PI-2020-0282 ***Cistus albidus*** L.  
[G; 2022]
- IT-0-PI-2021-0353 ***Cistus creticus*** L. subsp. ***creticus***  
[W; San Marco Argentano Scalo, Cosenza, Calabria, Italy, 21 August 2021]
- XX-0-PI-2020-1065 ***Cistus creticus*** L. subsp. ***eriocephalus*** (Viv.) Greuter & Burdet  
[G; 2022]
- XX-0-PI-2020-0273 ***Cistus ladanifer*** L. subsp. ***ladanifer***  
[G; 2022]
- IT-0-PI-2022-0416 ***Cistus laurifolius*** L. subsp. ***laurifolius***  
[W; Santa Brigida, Pontassieve, Firenze, Toscana, Italy, 19 October 2022]
- IT-0-PI-2020-2090 ***Cistus monspeliensis*** L.  
[G(W); San Giuliano Terme, Pisa, Toscana, Italy; 2020]
- IT-0-PI-2021-0354 ***Cistus salviifolius*** L.  
[W; San Marco Argentano Scalo, Cosenza, Calabria, Italy, 21 August 2021]

## COLCHICACEAE

- XX-0-PI-2021-0096 ***Gloriosa superba*** L.  
[G; 2022]

## CYPERACEAE

- IT-0-PI-2020-0213 ***Carex pendula*** Huds.  
[G(W); Boveglio, Lucca, Toscana, Italy, 2022]
- IT-0-PI-2020-1091 ***Schoenoplectus tabernaemontani*** (C.C.Gmel.) Palla  
[G(W); Verciano, Lucca, Toscana, Italy, 2022]

## DIOSCOREACEAE

- XX-0-PI-2020-1210 ***Dioscorea communis*** (L.) Caddick & Wilkin  
[G; 2022]

## FABACEAE

- XX-0-PI-2020-0856 ***Acacia nerifolia*** Benth.  
[G; 2022]
- IT-0-PI-2020-0306 ***Anthyllis barba-jovis*** L.  
[G(W); Castiglioncello, Rosignano Marittimo, Livorno, Toscana, Italy, 2022]
- XX-0-PI-2020-1402 ***Glycyrrhiza echinata*** L.  
[G; 2022]
- IT-0-PI-2020-2484 ***Laburnum anagyroides*** Medik. subsp. ***anagyroides***  
[W; Sassalbo, Massa-Carrara, Toscana, Italy, 9 November 2018]
- XX-0-PI-2020-0124 ***Lathyrus latifolius*** L.  
[G; 2021]

- XX-0-PI-2020-1055 ***Lotus hirsutus*** L.  
[G; 2022]
- FR-0-PI-2022-0301 ***Medicago arborea*** L.  
[W; Cap Croisette, Marseille, France, 12 July 2022]
- IT-0-PI-2020-2505 ***Trifolium angustifolium*** L. subsp. ***angustifolium***  
[W; Massaciuccoli, Lucca, Toscana, Italy, 6 July 2019]
- XX-0-PI-2020-1408 ***Trigonella officinalis*** (L.) Coulot & Rabaute  
[G, 2022]
- IT-0-PI-2022-0177 ***Vicia cracca*** L.  
[G(W); Botanical Garden, Pisa, Toscana, Italy, 2022]

#### IRIDACEAE

- XX-0-PI-2020-0154 ***Chamaeiris spuria*** (Pall.) Medik.  
[G; 2022]
- XX-0-PI-2020-0855 ***Chasmanthe floribunda*** (Salisb.) N.E.Br.  
[G; 2022]
- XX-0-PI-2020-1249 ***Freesia laxa*** (Thunb.) Goldblatt & J.C.Manning subsp. ***laxa***  
[G; 2022]
- XX-0-PI-2020-0897 ***Gladiolus dalenii*** Van Geel  
[G; 2022]
- IT-0-PI-2022-0358 ***Gladiolus italicus*** Mill.  
[W; S. Marco Argentano, Cosenza, Calabria, Italy, August 2022]
- XX-0-PI-2020-0668 ***Hesperoxiphion huilense*** Ravenna  
[G; 2022]
- XX-0-PI-2020-0745 ***Juno magnifica*** (Vved.) Vved.  
[G; 2022]
- XX-0-PI-2020-1085 ***Limniris pseudacorus*** (L.) Fuss  
[G; 2022]
- XX-0-PI-2020-0700 ***Sisyrinchium striatum*** Sm.  
[G; 2022]

#### JUNCACEAE

- IT-0-PI-2020-0180 ***Juncus acutus*** L.  
[G(W); Tenuta di San Rossore, Pisa, Toscana, Italy, 2022]
- XX-0-PI-2020-0188 ***Juncus littoralis*** C.A.Mey.  
[G; 2022]

#### LAMIACEAE

- XX-0-PI-2020-0196 ***Betonica officinalis*** L.  
[G; 2022]
- DE-0-HAL-191332 ***Leonurus cardiaca*** L.  
[G(W); Luckau, Brandenburg, Germany, 2022]

- XX-0-PI-2020-1199 ***Marrubium vulgare*** L.  
[G; 2022]
- XX-0-PI-2020-0473 ***Origanum vulgare*** L.  
[G; 2020]
- GR-0-PI-2021-0364 ***Phlomis fruticosa*** L.  
[W; Island of Crete, Greece, 30 September 2021]
- HU-0-KL-2014/3396 ***Salvia aethiopsis*** L.  
[G(W); Csorog, Kigyós, Komitat Pest, Hungary, 2022]
- XX-0-PI-2020-0646 ***Salvia argentea*** L.  
[G; 2020]
- XX-0-PI-2020-0686 ***Salvia aurita*** L.f.  
[G; 2021]
- XX-0-PI-2020-0677 ***Salvia canariensis*** L.  
[G; 2021]
- IT-0-PI-2022-0178 ***Salvia clandestina*** L.  
[G(W); Castagnolo, Pisa, Toscana, Italy, 2022]
- XX-0-PI-2020-0637 ***Salvia coccinea*** Buc'hoz ex Etl.  
[G; 2022]
- XX-0-PI-2020-0671 ***Salvia dominica*** L.  
[G; 2022]
- XX-0-PI-2020-0697 ***Salvia forsskaolei*** L.  
[G; 2022]
- XX-0-PI-2020-0629 ***Salvia iodantha*** Fernald  
[G; 2022]
- XX-0-PI-2020-0642 ***Salvia leucophylla*** Greene  
[G; 2022]
- XX-0-PI-2020-0641 ***Salvia mellifera*** Greene  
[G; 2022]
- XX-0-PI-2020-0695 ***Salvia miltiorrhiza*** Bunge  
[G; 2022]
- XX-0-PI-2021-0386 ***Salvia nemorosa*** L.  
[G; 2022]
- XX-0-PI-2021-0389 ***Salvia nilotica*** Juss. ex Jacq.  
[G; 2022]
- XX-0-MIGBC-03550 ***Salvia nubicola*** Wall. ex Sweet  
[G; 2022]
- XX-0-PI-2020-0672 ***Salvia pratensis*** L.  
[G; 2020]
- XX-0-PI-2020-0679 ***Salvia radula*** Benth.  
[G; 2021]

- XX-0-PI-2021-0391 ***Salvia staminea*** Montbret & Aucher ex Benth.  
[G; 2022]
- XX-0-PI-2020-2524 ***Salvia taraxacifolia*** Coss. & Balansa  
[G; 2022]
- XX-0-PI-2020-0471 ***Salvia verbenaca*** L.  
[G; 2022]
- XX-0-PI-2021-0388 ***Salvia verticillata*** L.  
[G; 2022]
- XX-0-PI-2021-0385 ***Salvia virgata*** Jacq.  
[G; 2022]
- XX-0-PI-2020-2557 ***Salvia viridis*** L. 'Blue Denim'  
[G; 2022]
- XX-0-PI-2020-0699 ***Salvia yunnanensis*** C.H.Wright  
[G; 2022]
- IT-0-PI-2020-2392 ***Stachys germanica*** L. subsp. ***germanica***  
[W; Pania di Corfino, Lucca, Toscana, Italy, 6 September 2020]
- IT-0-PI-2022-0366 ***Stachys italica*** Mill.  
[W; San Donato di Ninea, Cosenza, Calabria, Italy, 13 August 2022]
- IT-0-PI-2020-2274 ***Teucrium chamaedrys*** L. subsp. ***chamaedrys***  
[W; Pania di Corfino, Lucca, Toscana, Italy, 1400 m, 15 August 2020]
- IT-0-PI-2020-2490 ***Teucrium flavum*** L. subsp. ***flavum***  
[W; Asciano, Pisa, Toscana, Italy, 20 September 2020]
- XX-0-PI-2020-1662 ***Vitex negundo*** L. var. ***cannabifolia*** (Siebold & Zucc.) Hand.-  
Mazz.  
[G; 2022]

#### LILIACEAE

- XX-0-PI-2021-0092 ***Lilium henryi*** Baker  
[G; 2022]
- XX-0-PI-2020-0771 ***Lilium lancifolium*** Thund.  
[G; 2021]
- XX-0-PI-2020-0770 ***Lilium regale*** E.H.Wilson  
[G; 2022]
- XX-0-PI-2020-2430 ***Tulipa chusiana*** Redouté  
[G; 2022]
- XX-0-PI-2020-0970 ***Tulipa sylvestris*** L.  
[G; 2022]

#### LYTHRACEAE

- XX-0-PI-2020-1100 ***Lythrum salicaria*** L.

[G; 2022]

#### MALVACEAE

- XX-0-PI-2020-0561 *Alcea rosea* L.  
[G; 2022]
- XX-0-PI-2019-0002 *Gossypium hirsutum* L.  
[G; 2022]
- XX-0-PI-2020-1036 *Hibiscus coccineus* Walter  
[G; 2022]
- XX-0-PI-2020-0558 *Hibiscus sabdariffa* L.  
[G; 2022]
- XX-0-PI-2020-1331 *Malva sylvestris* L.  
[G; 2022]

#### MARANTACEAE

- XX-0-PI-2020-2306 *Thalia dealbata* Fraser  
[G; 2022]

#### ONAGRACEAE

- XX-0-PI-2020-0548 *Chamaenerion angustifolium* (L.) Scop.  
[G; 2022]
- IT-0-PI-2020-2394 *Epilobium hirsutum* L.  
[W; Pian della Fioba, Massa-Carrara, Toscana, Italy, 13 September 2020]

#### ORCHIDACEAE

- XX-0-PI-2020-2121 *Bletilla striata* (Thunb.) Rchb.f.  
[G; 2021]

#### PAPAVERACEAE

- IT-0-PI-2020-2275 *Glaucium flavum* Crantz  
[W; Tropea, Vibo Valentia, Calabria, Italy, 23 August 2020]
- XX-0-PI-2020-0249 *Eschscholzia californica* Cham.  
[G; 2022]

#### PLANTAGINACEAE

- IT-0-PI-2020-2462 *Antirrhinum majus* L. subsp. *majus*  
[G; 2019]
- IT-0-PI-2020-2393 *Digitalis lutea* L.  
[W; Pania di Corfino, Lucca, Toscana, Italy, 1300 m, 6 September 2020]
- XX-0-PI-2020-2086 *Globularia bisnagarica* L.  
[G; 2020]

XX-0-PI-2020-0172 **Veronica spicata** L.  
[G; 2022]

#### PLUMBAGINACEAE

PT-0-PI-2021-0358 **Armeria pungens** (Link) Hoffmanns. & Link  
[W; Praia de Bela Vista, Portugal, 11 August 2021; collected in the *locus classicus*]

#### PRIMULACEAE

XX-0-PI-2020-2437 **Cyclamen persicum** Mill.  
[G; 2022]

#### RANUNCULACEAE

XX-0-PI-2020-0800 **Clematis terniflora** DC. var. **manshurica** (Rupr.) Ohwi  
[G; 2022]

IT-0-PI-2022-0357 **Nigella damascena** L.  
[W; Tarsia, Cosenza, Calabria, Italy, 22 August 2022]

XX-0-PI-2020-0377 **Ranunculus velutinus** Ten.  
[G; 2022]

#### RESEDACEAE

XX-0-PI-2020-1398 **Reseda luteola** L.  
[G; 2022]

#### ROSACEAE

XX-0-PI-2020-1828 **Geum urbanum** L.  
[G; 2021]

IT-0-PI-2020-2516 **Potentilla pedata** Willd. ex Hornem.  
[W; S. Marco Argentano, Cosenza, Calabria, Italy, August 2022]

XX-0-PI-2020-0481 **Poterium sanguisorba** L.  
[G; 2022]

XX-0-PI-2020-1670 **Rosa pendulina** L.  
[G; 2022]

#### RUBIACEAE

XX-0-PI-2020-0383 **Rubia tinctorum** L.  
[G; 2021]

#### SAXIFRAGACEAE

IT-0-PI-2020-2269 **Saxifraga paniculata** Mill.  
[W; Libro Aperto, Modena, Emilia-Romagna, Italy, 6 August 2020]

## SCROPHULARIACEAE

- XX-0-PI-2020-0387 *Verbascum densiflorum* Bertol.  
[G; 2022]
- IT-0-PI-2020-0395 *Verbascum phlomoides* L.  
[G(W); Renella, Massa Carrara, Toscana, Italy, 2022]
- XX-0-PI-2020-1405 *Verbascum thapsus* L.  
[G; 2022]

## SOLANACEAE

- IT-0-PI-2020-0350 *Atropa bella-donna* L.  
[G; 2019]
- XX-0-PI-2020-1165 *Hyoscyamus albus* L.  
[G; 2022]
- XX-0-PI-2020-1185 *Datura stramonium* L.  
[G; 2022]
- XX-0-PI-2020-1186 *Solanum giganteum* Jacq.  
[G; 2022]
- XX-0-PI-2020-0407 *Solanum linnaeanum* Hepper & P.-M.L.Jaeger  
[G; 2022]

## **Before the order - Important Notices**

The responsibility for legal handling of the plant material listed below passes on from the supplier to the recipient upon receipt of the material. The following conditions apply:

1. By ordering seeds from our *Index Seminum* the recipient automatically accepts all requirements as stipulated by the *Convention on Biodiversity* (CBD, Rio Convention) and the *Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization to the Convention on Biological Diversity*.
2. The material requested will be used only for public welfare, such as scientific research, species conservation by cultivation, and public education. In the case that scientific publications will be produced based on the supplied plant material, the recipient is obliged to indicate in those publications the origin of the material (the supplying garden and, if known, the country of origin). Even if not mandatory, we expect to be informed and receive an electronic copy of the publication itself.
3. The recipient may transfer the received plant material, its progeny or derivatives only for non-commercial use to bona fide third parties. Such transfer to third parties must be under the terms and conditions of this agreement, and must be documented in a suitable manner.
4. Seeds of CITES Appendix I species will be sent only to CITES-registered institutions, which for this purpose must send us their CITES-registration code together with their seed order. Otherwise, CITES I seeds will not be included in the seed delivery.
5. Only requests from other Botanic Gardens will be processed.





## Request form 2022



Please send the enclosed list of maximum 20 taxa to our e-mail address [ortomuseobot@unipi.it](mailto:ortomuseobot@unipi.it) before March, 31<sup>st</sup>. Please, indicate both the taxon and the IPEN code in the request form.

Taxon	IPEN code

I accept the above 'Important Notices'

<b>Signed by:</b>	
<b>For and on behalf of:</b>	
<b>Date:</b>	
<b>Your address:</b>	

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*Alisma plantago-aquatica* L.  
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