



HORTUS BOTANICUS

Журнал Совета ботанических садов СНГ при МААН

13 / 2018



HORTUS BOTANICUS

Журнал Совета ботанических садов СНГ при МААН

13 / 2018

ISSN 1994-3849

Эл № ФС 77-33059 от 11.09.2008

Главный редактор

А. А. Прохоров

Редакционный совет

П. Вайс Джексон
Лей Ши
Йонг-Шик Ким
А. С. Демидов
Т. С. Мамедов
В. Н. Решетников

Редакционная коллегия

Г. С. Антипина
Е. М. Арнаутова
А. В. Бобров
Ю. К. Виноградова
Е. В. Голосова
В. Я. Кузеванов
Е. Ф. Марковская
Ю. В. Наумцев
Е. В. Спиридович
К. Г. Ткаченко
А. И. Шмаков

Редакция

Е. А. Платонова
С. М. Кузьменкова
К. О. Романова
А. Г. Марахтанов

Адрес редакции

185910, Республика Карелия, г. Петрозаводск, ул. Анохина, 20, каб. 408.

E-mail: hortbot@gmail.com

<http://hb.karelia.ru>

© 2001 - 2018 А. А. Прохоров

На обложке:

Гунибская экспериментальная база Горного ботанического сада Дагестанского НЦ РАН
(фото Руслана Османова)

Разработка и техническая поддержка

Отдел объединенной редакции научных журналов ПетрГУ, РЦ НИТ ПетрГУ,
Ботанический сад ПетрГУ

Петрозаводск

2018

Список семян Ботанического сада УрО РАН

КИСЕЛЕВА Ольга Анатольевна	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия kiselevaolga@inbox.ru</i>
СЕМКИНА Лидия Александровна	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия lidia.semkina@botgard.uran.ru</i>
КОЖЕВНИКОВ Алексей Петрович	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия kozhevnikova_gal@mail.ru</i>
ГОЛИКОВ Дмитрий Юрьевич	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия mit2704@gmail.com</i>
ДОРОФЕЕВА Людмила Михайловна	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия ludmila.dorofeeva@botgard.uran.ru</i>
ВАСФИЛОВА Евгения Самуиловна	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия euvas@mail.ru</i>
НЕУЙМИНА Наталья Вячеславовна	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия natalyaneuimina@mail.ru</i>
ШАРОВА Елена Александровна	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия kosheelena@yandex.ru</i>
КНЯЗЕВ Михаил Сергеевич	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия knyasev_botgard@mail.ru</i>
ЗАВЬЯЛОВА Марина Борисовна	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия zavylova-marina@mail.ru</i>
ВОРОБЬЕВА Татьяна Андреевна	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия aroma.botsad@mail.ru</i>
ПЕРВУШИНА Ольга Аркадьевна	<i>Ботанический сад УрО РАН, ул. 8 Марта, 202А, г. Екатеринбург, 620000, Россия common@botgard.uran.ru</i>

Ключевые слова:

in situ, ex situ, список семян,
Index seminum, in situ, ex situ,
список семян, генетические
ресурсы

Аннотация:

В списке приводится перечень семян растений, культивируемых в открытом грунте и оранжереях Ботанического сада УрО РАН, а также собранных в природе.

Получена: 11 марта 2018 года

Подписана к печати: 10 июня 2018 года

*

Sciences of the USSR and in 1998 became an independent Institute of the Ural Department. The Botanical Garden of the Ural Branch of the Russian Academy of Sciences is the largest regional center of plant introduction, applied botany, plant taxonomy, forest ecosystems and nature protection.

The basic directions of fundamental researches: 1. Working out scientific and theoretical foundation of plants introduction. 2. Studying biological diversity of the Ural plants, intraspecific variability, monographical studying of individual taxons. 3. Protecting the genofond of rare and disappearing plants species. Scientific work is carried out also in the following areas: 1. The population plant ecology, ecological and geographical laws of the structure and phenogenetic differentiation of populations. 2. The laws of structural organizing and functioning of forest communities, the theoretical aspects of forestry. 3. The scientific basis for creating nature-protected infrastructure of territories under the conditions of anthropogenic influence. 4. Ecology-economic problems of nature using. 5. Forest knowledge problems.

The Botanical Garden implements the Program of fundamental researches that have been carried out by the Department of General Biology of the Russian Academy of Sciences. It directs the activities within the framework of the Botanical Gardens Council of the Ural and Volga regions in order to develop the researches in introduction of plants and nature protection in the Urals. It also directs the activities of Nature Protection Commission of the Ural Branch of the Russian Academy of Sciences. Combined researches with foreign scientific institutions are also being carried out. In order to achieve the outlined aims at the Botanical Garden, 11 scientific subdivisions, a botanical museum and a reserve have been organised.

The Botanical Garden occupies the area of approximately 50 ha in the urban limits. Climatic Data. Temperature - mean annual: + 4°; absolute maximum: +31,2°; absolute minimum: — 34,2. Precipitation: 497 mm.

There are the following main expositions and basic scientific collections on its territory: 1. Arboretum (10 ha, 850 taxons) founded in 1959. 2. Ornamental perennial plants (about 700 taxons). The plot of these plants was founded in 1950. 3. Rare and disappearing plants of the Urals (about 100 taxons). 4. Subtropical and tropical plants (greenhouse complex) — about 2000 taxons collected since 1948. 5. Selective areas (willows, poplars, birches, maples and others). 6. Medical plants (about 480 taxons). 7. Climbing plants. On the territory of the Botanical Garden there is also a reserve — pine forest, which is approximately 160-170 years old. The collections are used for researches and as a source of genofond valuable species.

The theoretical elaborations of the Botanical Garden are widely applied in nature protection activities and practical forestry. They serve as a foundation for creation the system of genetic reserves in order to preserve valuable forest genofond and form a structure of specially protected territories in Russia. Recently, important aspects of population ecology and population genetics of Pinaceae and Orchidaceae families have been worked out here; the researches of plant taxonomy, biodiversity and forestry have got a further development. The most important goal of the the Botanical Garden is implementation of educational programmes in ecology, botany and nature protection for the wide strata of the Ural population.

Scientific work is supported by Program of fundamental scientific research of state academies of sciences № AAAA-A17-117072810010-4.

**

SEMINA ET SPORAE PLANTARUM

IN HORTO BOTANICO CULTARUM

(Semina annorum 2017)

SEMINA PLANTARUM HERBACEARUM

POLYPODIOPHYTA

Athyriaceae

Athyrium filix-femina (L.) Roth

Onocleaceae

Matteuccia struthiopteris (L.) Tod.

ANGIOSPERMS**Amaranthaceae**

Bassia scoparia (L.) A.J.Scott

Amaryllidaceae

Allium aflatunense B. Fedtsch.

Allium altaicum Pall.

Allium barsczewskii Lipsky

Allium carinatum L.

Allium carolinianum DC.

Allium cyathophorum var. *farreri* (Stearn) Stearn

Allium cyrillii Ten.

Allium caeruleum Pall.

Allium decipiens Fisch. ex Schult. & Schult.f.

Allium hymenorhizum Ledeb.

Allium ledebourianum Schult. & Schult.f.

Allium nutans L.

Allium obliquum L.

Allium ramosum L.

Allium oliganthum Kar. et Kir.

Allium pskemense B. Fedtsch

Allium scorodoprasum L.

Allium strictum Schrad.

Allium turkestanicum Regel

Allium victorialis L.

Apiaceae

Bupleurum aureum Fisch. ex Hoffm.

Levisticum officinale W.D.J. Koch

Myrrhis odorata (L.) Scop.

Pastinaca sativa L.

Asparagaceae

Asparagus officinalis L.

Hosta plantaginea (Lam.) Asch.

Brassicaceae

Arabis pumila Jacq.

Draba glacialis Adams

Hesperis matronalis L.

Campanulaceae

Campanula carpatica Jacq.

Campanula glomerata L.

Campanula persicifolia L.

Campanula rapunculoides L.

Campanula trachelium L.

Caprifoliaceae

Succisa pratensis Moench

Caryophyllaceae

Dianthus andrzejowskianus Kulcz.

Dianthus barbatus L.

Dianthus deltoides L.

Dianthus giganteiformis ssp. *pontederae* (A.Kern.) Soo

Dianthus gratianopolitanus Vill.

Dianthus knappii (Pant.) Asch. & Kanitz ex Borbas

Gypsophila paniculata L.

Lychnis haageana Bailly

Saponaria officinalis L.

Silene chalcedonica (L.) E.H.L.Krause

Silene coronaria (Desr.) Clairv. ex Rchb.

Commelinaceae

Tradescantia longipes E.S.Anderson & Woodson

Compositae

Arnica chamissonis Less.

Aster alpinus L.

Bellis perennis L.

Cacalia hastata L.

Calendula officinalis L.

Carduus nutans L.

Centaurea macrocephala Muss. Puschk. ex Willd.

Cyanus montanus (L.) Hill

Echinacea pallida (Nutt.) Nutt.

Echinacea purpurea (L.) Moench

Echinops sphaerocephalus L.
Gaillardia × *grandiflora* Hort. ex Van Houtte
Helichrysum arenarium (L.) Moench
Leucanthemum maximum (Ramond) DC.
Liatris spicata (L.) Willd.
Liatris spicata (L.) Willd. f. *alba*
Ligularia dentata (A.Gray) Hara
Ligularia fischeri (Ledeb.) Turcz.
Ligularia palmatifida (Siebold & Zucc.) Nakai
Ligularia przewalskii (Maxim.) Diels
Ligularia stenocephala (Maxim.) Matsum. & Koidz.
Ligularia wilsoniana (Hemsl.) Greenm.
Matricaria chamomilla L.
Pyrethrum corymbosum (L.) Scop.
Rhaponticum carthamoides (Willd.) Iljin
Serratula coronata L.
Serratula tinctoria L.
Silybum marianum (L.) Gaertn.
Solidago canadensis L.
Symphyotrichum novi-belgii (L.) G.L. Nesom 'White Ladies'
Tanacetum balsamitoides Sch.Bip.
Tanacetum coccineum (Willd.) Grierson
Tanacetum parthenifolium (Willd.) Sch.Bip.

Crassulaceae

Hylotelephium spectabile (Boreau) H. Ohba
Sedum aizoon L.
Sedum kamtschaticum Fisch.
Sedum maximum ssp. *ruprechtii* (Jalas) Soo
Sedum spurium M.Bieb.
Sempervivum tectorum L.

Gentianaceae

Gentiana lutea L.

Geraniaceae

Geranium sanguineum L.

Hypericaceae

Hypericum ascyron L.

Hypericum ascyron ssp. *gebleri* (Ledeb.) N. Robson

Hypericum maculatum Crantz

Hypericum perforatum L.

Iridaceae

Iris sibirica L. 'Blau'

Iris sibirica L. 'Flight of butterflies'

Lamiaceae

Agastache foeniculum (Pursh) Kuntze

Dracocephalum imberbe Bunge

Elsholtzia ciliata (Thunb.) Hyl.

Monarda bradburiana Beck

Monarda didyma L. 'Cambridge scarlet'

Monarda russeliana Nutt.

Nepeta laevigata (D. Don) Hand.-Mazz.

Nepeta manchuriensis S. Moore.

Nepeta nuda L.

Nepeta parnassica Heldr. & Sart.

Nepeta podostachys Benth.

Nepeta racemosa Lam.

Nepeta sibirica L.

Nepeta spruneri Boiss.

Nepeta ucrainica L.

Origanum vulgare L.

Phlomis tuberosa (L.) Moench

Prunella grandiflora (L.) Scholler 'Pagoda'

Prunella vulgaris L.

Salvia austriaca Jacq.

Salvia canescens var. *daghestanica* (Sosn.) Menitsky

Salvia nemorosa L.

Salvia sclarea L.

Salvia tesquicola Klok. & Pobed.

Salvia verticillata L.

Thymus camphoratus Hoffmanns et Link.

Thymus pulegioides ssp. *pannonicus* (All.) Kerguelen

Leguminosae

Astragalus glycyphyllos L.

Caragana frutex (L.) K.Koch

Lathyrus rotundifolius Willd.

Thermopsis lanceolata R. Br.

Trigonella caerulea (L.) Ser.

Trigonella foenum-graecum L.

Linaceae

Linum alpinum Jacq. 'Rubra'

Liliaceae

Lilium martagon L.

Lythraceae

Lythrum salicaria L.

Malvaceae

Lavatera thuringiaca L.

Malva alcea L.

Paeoniaceae

Paeonia anomala L.

Paeonia lactiflora Pall.

Papaveraceae

Fumaria officinalis L.

Papaver bracteatum Lindl.

Papaver orientale L.

Papaver rhoeas L.

Phytolaccaceae

Phytolacca americana L.

Plantaginaceae

Digitalis grandiflora Mill.

Veronica spicata L.

Veronica longifolia L.

Veronicastrum virginicum (L.) Farw.

Plumbaginaceae

Armeria maritima (Mill.) Willd.

Poaceae

Festuca pallens Host

Leymus arenarius (L.) Hochst.

Melica altissima L. 'Atropurpurea'

Phalaris arundinacea L. 'Variegata'

Polygonaceae

Rheum rhabarbarum L.

Rumex sanguineus L.

Primulaceae

Lysimachia punctata L. 'Alexandr Gold'

Primula scandinavica Brunn

Primula stricta Hornem.

Primula veris ssp. *macrocalyx* (Bunge) Lüdi

Ranunculaceae

Aconitum napellus L.

Aconitum septentrionale Koelle

Anemone dichotoma L.

Aquilegia vulgaris L. 'Purple terry'

Aquilegia vulgaris L. 'Terry red-white'

Aquilegia vulgaris L. 'White'

Delphinium elatum L.

Delphinium x cultorum Voss 'Neapol'

Thalictrum delavayi Franch.

Trollius asiaticus L.

Trollius ledebourii Rchb.

Rosaceae

Aruncus dioicus (Walter) Fernald

Drymocallis rupestris (L.) Soják

Filipendula ulmaria (L.) Maxim. f. *variegata*

Filipendula ulmaria ssp. *picbaueri* (Podp.) Smejkal

Geum aleppicum Jacq.

Geum bulgaricum Pančić

Geum rivale L.

Potentilla atrosanguinea G.Lodd. ex D.Don

Potentilla nepalensis Hook.

Sanguisorba officinalis L. 'Pink Tanna'

Rutaceae

Dictamnus albus L.

Saxifragaceae

Bergenia crassifolia (L.) Fritsch

Heuchera chlorantha Piper

Scrophulariaceae

Scrophularia nodosa L.

Verbascum nigrum L.

Solanaceae

Capsicum annuum L.

Hyoscyamus niger L.

Xanthorrhoeaceae

Hemerocallis middendorffii Trautv. & C.A.Mey.

PLANTAE LIGNOSAE

GYMNOSPERMS

Cupressaceae

Juniperus sabina L.

Thuja occidentalis L. 'Lutea'

Thuja occidentalis L. 'Woodwardii'

Pinaceae

Abies balsamea (L.) Mill.

Abies fraserii (Pursh) Poir.

Abies sibirica Ledeb.

Abies veitchii Lindl.

Keteleeria davidiana (C.E.Bertrand) Beissn.

Larix sibirica Ledeb.

Picea jezoensis (Siebold & Zucc.) Carrière

Picea omorika (Pančić) Purk.

Picea pungens Engelm.

Picea rubens Sarg.

Pinus strobus L.

Pseudotsuga menziesii (Mirb.) Franco

Tsuga canadensis (L.) Carrière

ANGIOSPERMS

Anacardiaceae

Cotinus coggygria Scop.

Araliaceae

Aralia cordata var. *sachalinensis* (Regel) Nakai

Berberidaceae

Berberis amurensis Rupr.

Berberis canadensis Mill.

Berberis koreana Palib.

Berberis oblonga (Regel) C.K.Schneid.

Berberis sieboldii Miq.

Berberis thunbergii DC.

Berberis thunbergii var. *maximowiczii* Regel

Berberis verna C.K.Schneid.

Berberis vulgaris L. 'Atropurpurea'

Berberis × *emarginata* Willd.

Betulaceae

Betula ermanii Cham.

Betula ovalifolia Rupr.

Betula pendula Roth. 'Dalecarlica'

Ostrya virginiana (Mill.) K.Koch

Caprifoliaceae

Lonicera alpigena L.

Lonicera caerulea L.

Lonicera caerulea ssp. *altaica* (Pall.) Gladkova

Lonicera ferdinandii Franch.

Lonicera glehnii F. Schmidt

Lonicera involucrata (Richardson) Banks ex Spreng.

Lonicera involucrata var. *ledebourii* (Eschsch.) Jeps.

Lonicera maackii (Rupr.) Maxim.

Lonicera nigra L.

Lonicera orientalis Lam.

Lonicera prolifera (Kirchner) Booth ex Rehder

Lonicera ruprechtiana Regel

Lonicera tatarica L.

Symphoricarpos albus (L.) S.F.Blake

Weigela middendorffiana Carrière

Weigela praecox (Lemoine) Bailey

Adoxaceae

Sambucus racemosa L.

Viburnum lantana L.

Viburnum opulus L.

Celastraceae

Euonymus alatus (Thunb.) Siebold

Euonymus europaeus L.

Euonymus macropterus Rupr.

Euonymus nanus M.Bieb.

Cornaceae

Cornus alba L.

Cornus alba L. 'Argentea-marginata'

Ericaceae

Pieris floribunda Benth. et Hook. f.

Rhododendron fauriei Franch.

Rhododendron canadense (L.) Torr.

Rhododendron canadense (L.) Torr. 'Alba'

Rhododendron catawbiense Michx.

Rhododendron ferrugineum L.

Rhododendron japonicum (Blume) C.K.Schneid.

Rhododendron ledebourii Pojark.

Rhododendron maximum L.

Rhododendron schlippenbachii Maxim.

Rhododendron smirnowii Trautv.

Rhododendron yakushmanum Nakai

Hydrangeaceae

Hydrangea bretschneideri Dippel

Philadelphus coronarius L.

Philadelphus coronarius L. 'Aureus'

Philadelphus gordonianus Lindl.

Philadelphus grandiflorus Wild.

Philadelphus henryi Koehne

Philadelphus incanus Koehne

Philadelphus pubescens Loisel.

Philadelphus satsumanus Miq.

Philadelphus schrenkii Rupr.

Philadelphus subcanus var. *magdalenae* (Koehne) S.Y. Hu

Philadelphus x *monstrosus* (Spaeth) Schelle

Juglandaceae

Juglans mandshurica Maxim.

Menispermaceae

Menispermum canadense L.

Oleaceae

Forsythia ovata Nakai

Fraxinus chinensis ssp. *rhynchophylla* (Hance) A.E.Murray

Fraxinus pennsylvanica Marshall

Syringa pubescens ssp. *patula* (Palib.) M.C.Chang & X.L.Chen

Syringa reticulata ssp. *amurensis* (Rupr.) P.S.Green & M.C.Chang

Syringa tomentella Bureau & Franch.

Syringa villosa Vahl

Syringa vulgaris L.

Ranunculaceae

Clematis alpina ssp. *sibirica* (L.) Kuntze

Clematis 'Hanajima'

Clematis flammula L.

Clematis fusca Turcz.

Clematis fusca Turcz. 'Coreana'

Clematis hexapetala Pall.

Clematis ianthina Koehne

Clematis integrifolia L.

Clematis integrifolia L. f. *alba*

Clematis macropetala Ledeb. 'Rosy O` Grandy'

Clematis mandschurica Max.

Clematis tangutica (Maxim.) Korsh.

Clematis terniflora var. *mandschurica* (Rupr.) Ohwi

Clematis viticella L.

Rosaceae

Chaenomeles japonica (Thunb.) Lindl. Ex Spach

Cotoneaster lucidus Schtdl.

Crataegus ambigua C.A.Mey. ex A.K.Becker
Crataegus aprica Beadle
Crataegus arnoldiana Sarg.
Crataegus basilica Beadle
Crataegus columbiana Howell
Crataegus dahurica Koehne ex C.K.Schneid.
Crataegus faxonii Sarg.
Crataegus flabellata (Bosc ex Spach) K.Koch
Crataegus hissarica Pojark.
Crataegus holmesiana Ashe
Crataegus horrida Medik.
Crataegus irrasa Sarg.
Crataegus keepii Sarg.
Crataegus laurentiana var. *brunetiana* (Sarg.) Kruschke
Crataegus lucorum Sarg.
Crataegus macracantha Lodd. ex Loudon
Crataegus monogyna Jacq.
Crataegus pedicellata Sarg.
Crataegus persimilis Sarg.
Crataegus pinnatifida Bunge
Crataegus rhipidophylla Gand.
Crataegus songarica K.Koch
Crataegus submollis Sarg.
Crataegus succulenta Schrad. ex Link
Malus baccata (L.) Borkh.
Malus niedzwetzkyana Dieck ex Koehne
Padus pensylvanica (L.f.) S.Ya.Sokolov
Physocarpus opulifolius (L.) Maxim. 'Diabolo'
Physocarpus opulifolius (L.) Maxim. 'Luteus Dippel'
Prinsepia sinensis (Oliv.) Oliv. ex Bean
Pyrus ussuriensis Maxim. ex Rupr.
Rosa acicularis Lindl.
Rosa blanda Aiton
Rosa caesia Sm.
Rosa davurica Pall.

Rosa glabrifolia C.A.Mey. ex Rupr.
Rosa glauca Pourr.
Rosa laxa Retz.
Rosa macrophylla Lindl.
Rosa moyesii Hemsl. & E.H.Wilson
Rosa nitida Willd.
Rosa oxyodon Boiss.
Rosa rugosa Thunb.
Rosa sjunikii Jarosch.
Rosa tomentosa Sm.
Rosa villosa L.
Rosa xanthina Lindl.
Sibiraea laevigata (L.) Maxim.
Sorbaria sorbifolia (L.) A.Braun.
Sorbus alnifolia (Siebold & Zucc.) K.Koch
Spiraea × *bumalda* Burv.
Spiraea × *bumalda* Burv. 'Little Princess'
Spiraea × *margaritae* Zabel
Spiraea × *semperflorens* hort.
Spiraea alba Du Roi
Spiraea alpina Pall.
Spiraea bella Sims
Spiraea betulifolia Pall.
Spiraea betulifolia var. *corymbosa* (Raf.) Maxim.
Spiraea canescens D.Don.
Spiraea chamaedryfolia L.
Spiraea douglasii ssp. *menziesii* (Hook.) Calder & R.L.Taylor
Spiraea japonica L.f.
Spiraea nipponica Maxim.
Spiraea rosthornii E.Pritz.
Spiraea salicifolia L.
Spiraea sargentiana Rehder
Spiraea trichocarpa Nakai
Spiraea trilobata L.

Sapindaceae

Acer campestre L.

Acer tataricum ssp. *ginnala* (Maxim.) Wesm.

Acer platanoides L.

Acer tataricum ssp. *semenovii* (Regel & Herder) A.E.Murray

Acer tataricum L.

Acer tegmentosum Maxim.

Schisandraceae

Schisandra chinensis (Turcz.) Baill.

Vitaceae

Parthenocissus quinquefolia (L.) Planch.

SEMINA PLANTARUM IN CALDARIIS CULTARUM

PTERIDOPHYTES

Aspleniaceae

Asplenium bulbiferum G.Forst.

Asplenium nidus L.

Blechnaceae

Blechnum brasiliense Desv.

Culcitaceae

Culcita macrocarpa C.Presl.

Cyatheaceae

Sphaeropteris cooperi (F. Muell.) R.M. Tryon

Dicksoniaceae

Dicksonia sellowiana Hook.

Dryopteridaceae

Cyrtomium falcatum (L.f.) C. Presl

Cyrtomium falcatum (L.f.) C. Presl 'Rochefordianum'

Polystichum setiferum (Forssk.) Moore ex Woyn.

Polypodiaceae

Drynaria quercifolia (L.) J. Sm.

Phlebodium aureum (L.) J. Sm. 'Glaucum'

Pyrrosia angustata (Sw.) Ching

Pteridaceae

Adiantum capillus-veneris L.

Adiantum caudatum L.

Adiantum gracillimum T.Moore

Adiantum hispidulum Sw.

Adiantum hispidulum Sw. 'Bronze Venus'

Adiantum raddianum C. Presl 'Fritz-Luthii'

Adiantum trapeziforme L.

Pellaea calomelanos (Sw.) Link

Phymatosorus scolopendria (Burm. f.) Pic. Serm. 'Green Wave'

Pteris cretica L. 'Albo-lineata'

Pteris cretica L. 'Wimsetii'

Pteris multifida Poir.

Thelypteridaceae

Macrothelypteris torresiana (Gaudich.) Ching

ANGIOSPERMS

Aizoaceae

Mestoklema tuberosum (L.) N.E. Br.

Anacampserotaceae

Anacampseros rufescens (Haw.) Sweet

Apocynaceae

Alyxia buxifolia R.Br.

Asparagaceae

Agave vera-cruz Mill.

Bowiea volubilis Harv.

Cactaceae

Mammillaria columbiana Salm-Dyck

Mammillaria prolifera (Mill.) Haw.

Mammillaria prolifera ssp. *multiceps* (Salm-Dyck) U. Guzman

Rhipsalis baccifera (J.S.Muell.) Stearn

Iridaceae

Freesia laxa (Thunb.) Goldblatt & J.C.Manning

Lythraceae

Punica granatum L. 'Nana'

Moraceae

Dorstenia hildebrandtii Engl.

Myrtaceae

Psidium guajava L.

Rutaceae

Murraya paniculata (L.) Jack

Zingiberaceae

Hedychium horsfieldii R.Br. ex Wall.

SEMINA PLANTARUM SPONTANEARUM IN LOCO NATALI

Chelyabinsk region, Miass neighborhood, stepped slope

54°53'48,2"N, 59°58'51,2"E, 362 m above sea level 22.08.17

Apiaceae

Seseli ledebourii D. Don

Caryophyllaceae

Gypsophila altissima L.

Silene amoena L.

Silene wolgensis (Hornem.) Otth

Compositae

Aster amellus L.

Inula hirta L.

Lamiaceae

Dracocephalum ruyschiana L.

Leguminosae

Lathyrus pisiformis L.

Medicago falcata L.

Onobrychis arenaria ssp. *sibirica* (Besser) P.W.Ball

Oxytropis baschkiriensis ssp. *skvortsovii* Knjasev

Orobanchaceae

Melampyrum cristatum Hablitz ex Steud.

Poaceae

Helictotrichon hookeri (Scribn.) Henrard

Republic of Bashkortostan, near. Kuramino, forest-steppe 54°39'30"N, 59°48'152"E, 423 m above sea level 23.08.17

Compositae

Inula aspera Poir.

Leguminosae

Lathyrus pisiformis L.

Lathyrus pratensis L.

Chelyabinsk region, near. Red Yar, sodic soil near the way 52°59'29.4"N, 60°30'37.9"E, 323 m above sea level 23.08.17

Caryophyllaceae

Dianthus borbasii Vandas

Compositae

Scorzonera parviflora Jacq.

Taraxacum bessarabicum (Hornem.) Hand.-Mazz

Lamiaceae

Phlomis tuberosa ssp. *desertorum* (P. Smirn.) Kulikov comb. et staf. Nov.

Leguminosae

Glycyrrhiza uralensis Fisch.

Melilotus dentatus (Waldst. & Kit.) Pers.

Plantaginaceae

Plantago cornuti Gouan

Plantago maritima ssp. *ciliata* Printz

Chelyabinsk region, Kartalinsky district, sodic soil steppe, banks of the river. Dry. 52°56'25.1"N, 60°39'49.4"E, 287 m above sea level 24.08.2017

Compositae

Centaurea chartolepis Greuter

Rhaponticum serratulooides (Georgi) Bobrov.

Lamiaceae

Leonurus glaucescens Bunge

Linaceae

Linum usitatissimum L.

Agreement on the Supply of Living Plant Material ¹ for Non-Commercial Use

Purposes of the International Plant Exchange Network

Against the background of the provisions and decisions of the Convention on Biological Diversity of 1992 (CBD) and in particular those on access to genetic resources and benefit-sharing, the garden is dedicated to promoting conservation, sustainable use, and research of biological diversity. The garden therefore expects its partners in acquiring, maintaining and transferring plant material to always act in accordance with the CBD and the Convention on the International Trade in Endangered Species (CITES).

The responsibility for legal handling of the plant material passes on to the recipient upon receipt of the material. The requested plant material will be supplied to the recipient only under the following conditions:

1. Based on this agreement, the plant material is supplied only for non-commercial use such as scientific study and educational purposes as well as environmental protection. Should the recipient at a later date intend a commercial use or transfer for commercial use, the country of origin's prior informed consent (PIC) must be obtained in writing before the material is used or transferred. The recipient is responsible for ensuring an equitable sharing of benefits.

2. On receiving the plant material, the recipient endeavours to document the received plant material, its origin (country of origin, first receiving garden, "donor" of the plant material, year of collection) as well as the acquisition and transfer conditions in a comprehensible manner.

3. In the event that scientific publications are produced based on the supplied plant material, the recipient is obliged to indicate the origin of the material (supplying garden and the country of origin, if known) and to send these publications to the garden and to the country of origin without request.

4. On request, the garden will forward relevant information on the transfer of the plant material to the body charged with implementing the CBD².

5. The recipient may transfer the received plant material to third parties only under these terms and conditions and must document the transfer in a relevant manner.

I accept the above conditions.

Date, Signature

Recipient's name and address, stamp

¹ According to the CBD „genetic resources“ means genetic material of actual or potential value. This definition covers both living and not living material. The Code of Conduct and the IPEN covers only the exchange of living plant material (living plants or parts of plants, diaspores) thus falling in the definition of genetic resources.

² Ideally, the national focal point in the garden's home country

We would like to point out that the offered seeds are the result of open pollination. Please send the desiderata to seeds@botgard.uran.ru up to September 15, 2018

Address: Seed curator: Minogina Elena Nikolaevna, Russian Academy of Sciences, Ural Branch: Institute Botanical Garden, st. 8 Marta, 202a, Ekaterinburg, Russia, 62014

Desiderata

Литература

The Plant List (2013). Version 1.1. Published on the Internet; <http://www.theplantlist.org/> (accessed 1st January). URL: <http://www.theplantlist.org/> (28.02.2018).

International Plant Names Index (IPNI). URL:<http://www.ipni.org> (28.02.2018).

Куликов П. В. Определитель сосудистых растений Челябинской области. Екатеринбург: УрО РАН, 2010. 970 с.

Index seminum of the Botanical Garden of the Ural branch of the Russian Academy of Sciences

KISELEVA Olga Anatolevna	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia kiselevaolga@inbox.ru
SEMKINA Lidia Aleksandrovna	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia lidia.semkina@botgard.uran.ru
KOZHEVNIKOV Aleksej Petrovich	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia kozhevnikova_gal@mail.ru
GOLIKOV YUR'EVICH Dmitrij Yurevich	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia mit2704@gmail.com
DOROFEEVA Lyudmila Mihajlovna	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia ludmila.dorofeeva@botgard.uran.ru
VASFILOVA Evgeniya Samuilovna	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia euvas@mail.ru
NEUJMINA Natalya Vyacheslavovna	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia natalyaneuimina@mail.ru
SHAROVA Elena Aleksandrovna	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia kosheelena@yandex.ru
KNYAZEV Mihail Sergeevich Sergeevich	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia knyasev_botgard@mail.ru
ZAVYALOVA Marina Borisovna	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia zavylova-marina@mail.ru
VOROBEVA Tatyana Andreevna	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia aroma.botsad@mail.ru
PERVUSHINA Olga Arkadevna	Russian Academy of Sciences, Ural Branch: Institute Botanic Garden, st. 8 Marta, 202a, Ekaterinburg, 620000, Russia common@botgard.uran.ru

Key words:

in situ, ex situ, seed list, Index
seminum, in situ, ex situ, seed list,
genetic resources

Summary:

The list shows the seeds of plants cultivated in the open
ground and greenhouses of the Botanical Garden of the Ural branch of
the Russian Academy of Science and of those collected in nature.

Is received: 11 march 2018 year

Is passed for the press: 10 june 2018 year

References

The Plant List (2013). Version 1.1. Published on the Internet; <http://www.theplantlist.org/> (accessed 1st January). URL: <http://www.theplantlist.org/> (28.02.2018).

International Plant Names Index (IPNI). URL: <http://www.ipni.org> (28.02.2018).

Kulikov P. V. *Opredelitel sosudistykh rastenij Tchelyabinskoj oblasti*. Ekaterinburg: UrO RAN, 2010. 970 s.

Цитирование: Киселева О. А., Семкина Л. А., Кожевников А. П., Голиков Д. Ю., Дорофеева Л. М., Васфилова Е. С., Неуймина Н. В., Шарова Е. А., Князев М. С., Завьялова М. Б., Воробьева Т. А., Первушина О. А. Список семян Ботанического сада УрО РАН // *Hortus bot.* 2018. Т. 13, 2018, стр. 553 - 573, URL: <http://hb.karelia.ru/journal/article.php?id=5222>. DOI: [10.15393/j4.art.2018.5222](https://doi.org/10.15393/j4.art.2018.5222)
Cited as: Kiseleva O. A., Semkina L. A., Kozhevnikov A. P., Golikov YUr'evich D. Y., Dorofeeva L. M., Vasilova E. S., Neujmina N. V., SHarova E. A., Knyazev M. S., Zavyalova M. B., Vorobeve T. A., Pervushina O. A. (2018). Index seminum of the Botanical Garden of the Ural branch of the Russian Academy of Sciences // *Hortus bot.* 13, 553 - 573. URL: <http://hb.karelia.ru/journal/article.php?id=5222>