



NATIONAL ACADEMY OF SCIENCES OF UKRAINE  
M. G. KHOLODNY INSTITUTE OF BOTANY

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**VASCULAR PLANTS OF UKRAINE**  
**A NOMENCLATURAL CHECKLIST**

Editor: Sergei L. Mosyakin

Kiev 1999



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## INTRODUCTION

Taxonomy and biological nomenclature are the basic tools for understanding biological diversity. It is as true now, as it was true in 1753, when C. Linnaeus published his famous *Species Plantarum*. And we dare to say that it was even true in prehistoric times, when man identified edible, poisonous, medicinal and other important plants, which were, and still are, the foundation of all aspects of our civilization, including our well-being, culture, science and philosophy.

No further study of plants is possible without initial identification of the taxonomic entities involved. Vegetation science, biogeography, conservation, agriculture, forestry, education, etc., etc. – all these and many other branches of science and sectors of economy are in need of a reliable and stable taxonomic base. This taxonomic base completely depends on scientific (Latin) names of plants, which are governed by the *International Code of Botanical Nomenclature*, the most recent version of which has been adopted at the XVI International Botanical Congress (August 1999, St. Louis, MO, U.S.A.).

### **Brief history of floristic exploration and taxonomic research in Ukraine**

Information on taxonomy and nomenclature of vascular plants of Ukraine is available from numerous publications.

The basic stage of taxonomic research and floristic exploration of Ukraine in the XIX century was associated with such famous botanical names as P. S. Pallas (1741-1811), F. A. Marschall von Bieberstein (1768-1826), Ch. Steven (1781-1863), W. S. J. G. Besser (1784-1842), K. F. Ledebour (1785-1852), A. L. Andrzejowski (= Andrzejowski; 1785-1868), V. M. Cherniaev (= Czernjaev, also transliterated as Czernajew, Czerniaiev, or Tschernaiew; 1796-1871), E. R. Trautvetter (1809-1889), A. S. Rogovich (= Rogowicz; 1812-1878), I. F. Schmalhausen (1849-1894), J. K. Paczoski (= Patschosky, 1864-1942), and many others.

In the XX century, a new constellation of names has emerged: A. V. Fomin (1869-1935), E. I. Bordzilowsky (1875-1949), M. V. Klovov (1896-1981), M. I. Kotov (1896-1978), Y. D. Kleopov (= Kleopow; 1902-1942), E. V. Wulff (1885-1941), D. M. Dobrochaeva (= Dobroczaeva, also known as Dobroczaeva or Dobroczaeva-Kovalczuk; 1916-1995), E. D. Visyulina (= Wissjulina; 1902-1972), Y. M. Prokudin (1911-1989), E. M. Lavrenko (1900-1987), etc.

A considerable contribution to our present knowledge of taxonomy and floristics of Ukrainian plants has been made also by many Russian botanists, and, mainly in the western part of Ukraine, by Polish, Hungarian, Austrian, German, Czech, Slovak and Romanian researchers.

The most important and still widely used floristic works are the *Flora of the Ukrainian SSR* published in 12 volumes in 1936-1965, the third edition of the *Manual of vascular plants of Ukraine* (Prokudin & al., 1987), *Flora of Crimea* (Wulf & al., 1927-1969), *Manual of vascular plants of Crimea* (Rubtsov & al., 1972), *Manual of plants of the Ukrainian Carpathians* (Chopyk & al., 1977), *Grasses of Ukraine* (Prokudin & al., 1977).

A wealth of information on taxonomy and nomenclature of Ukrainian vascular plants is included in the 30 volumes of the monumental *Flora of the USSR* (1934-1964), in *Flora of the European part of the USSR* (1974-continued, since 1996 published as *Flora Europae Orientalis*), *Additamenta et corrigenda ad Floram URSS* (Cherepanov, 1973), and two editions of Cherepanov's checklists of vascular plants of the former USSR (Cherepanov, 1981, 1995).

*Flora Europea* (Tutin & al., 1964-1994) is a useful floristic and taxonomic generalization of the continental scope. It is, however, of a lesser use in Ukraine and other countries of Central and East Europe, because this work, being written from the "West European viewpoint", commonly underestimates the real taxonomic diversity of that part of the continent, most probably because of evident communication problems, the language barriers, and the lack of information from Russian, Ukrainian, Polish and other important sources.

Several regional and special checklists are also available, including *Flora of Transcarpathia* (Fodor, 1974), *A checklist of the flora of the Ukrainian Southeast. Vascular plants* (Kondratyuk, Burda & Ostapko, 1985), *Trees and shrubs cultivated in the Ukrainian SSR* (Kokhno & al., 1986, Kondratyuk & al., 1985), *Synanthropic flora of Ukraine* (Protopopova, 1991), *Flora of the Left-Bank Dnieper area. A checklist of vascular plants* (Bayrak, 1997), *Flora of the Middle Dnieper area. A checklist of vascular plants* (Chopyk, Bortnyak, Voytyuk & al., 1998), *Flora of the Carpathians. Checklist of the native vascular plant species* (Tasenkevich, 1998), *Grasses of the USSR* (Tsvelev, 1976, 1983), *Legumes of Northern Eurasia* (Yakovlev, Sytin & Reskov, 1996), etc.

Other specialized taxonomic, floristic, phytosociological and conservational monographs and articles dealing with Ukrainian plants are too numerous to be listed here.

Unfortunately, many of the mentioned floras, manuals and checklists are now outdated. Some of them are regional in their scope, while others cover areas larger than Ukraine, or not the whole territory of Ukraine within her present borders.

Moreover, to the constant embarrassment of many users, both botanists and non-botanists, the mentioned floras, manuals and checklists applied different species and generic concepts, reflected different scientific traditions and viewpoints. Consequently, taxonomy and nomenclature of many plant groups in these sources differ dramatically.

In addition to that, plant taxonomists made important changes in taxonomy and nomenclature of Ukrainian plants. Numerous native and alien species new for Ukraine have been discovered during the recent decades; some other taxa were excluded because of the lack of evidence and/or changes in circumscription of taxa.

For all these reasons, until the present publication, there was no unified, standard and updated nomenclatural checklist of vascular plants of Ukraine available. The present volume is intended to fill this gap.

## **Objectives**

Our main goal was to provide a concise, convenient and reasonably reliable reference on nomenclature and taxonomy of vascular plants of Ukraine for various categories of users: professional botanists, conservationists, teachers, land use managers, agriculturalists, etc. When preparing the present edition of the checklist, we consulted all major floristic and taxonomic publications dealing with the Ukrainian flora. In addition to Ukrainian and Russian books and periodicals, many other publications were consulted, first of all recent taxonomic treatments, and floras and checklists published in adjacent countries: Russia, Poland, Slovakia, the Czech Republic, Hungary, Germany, etc.

We kept track of those literature sources in order to document our records. However, the present edition of the checklist is not a reference to literature. Since taxonomic and floristic literature on Ukrainian vascular plants is immense, and is mostly in the Cyrillic alphabet (Ukrainian and Russian), we were forced, at least at the present stage, to refrain from citing numerous sources used during the preparation of the checklist. Hopefully, this gap will be filled up later, either as a part of the second edition of the checklist, or as a separate bibliographic project.

During the preparation of the checklist, collections of the National Herbarium of Ukraine (KW) at the Kholodny Institute of Botany were also consulted to verify some records and other data from literature. The KW herbarium is the largest plant collection in Ukraine and second, by number of specimens and their scientific value, in the former USSR. At present the number of herbarium specimens is estimated to be close at 2,000,000 (including 1,800,000 specimens of vascular plants). The section of the Ukrainian flora contains ca. 1,000,000 herbarium specimens from all regions of the country. The staff of the

KW Herbarium and Vascular Plants Department are working presently on inventory of types of vascular plants described from the territory of Ukraine. We believe that in the future this important information on protologs and type specimens of these plants will be also included in subsequent editions of our checklist.

In the future, we are planning also to add to the checklist some additional data, including distribution of taxa in Ukraine and complete literature references.

Every possible effort has been made in order to check and crosscheck the manuscript. However, a sizeable fault-free checklist is probably impossible. There are always some unavoidable omissions, gaps, misunderstandings, differences in taxonomic opinion, and typos. The present version should be treated as a working document, and we expect its further editions in printed or electronic form. Because of that we would greatly appreciate any comments, corrections, additions and suggestions. All this feedback information will be thoroughly analyzed and subsequently included into the second edition, where all comments of future contributors will be gratefully acknowledged.

We understand that taxonomic opinions reflected in our checklist is not the "final truth", even if anything like such final truth could be possible in plant taxonomy. Because of that, we are open to constructive criticism and suggestions, and will be happy to discuss any alternative viewpoints on taxonomy and nomenclature of vascular plants of Ukraine.

Please send your comments, corrections and additions to the editor:

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## AUTHORSHIP

The work on families of vascular plants was done in the following way:

Sergei Mosyakin prepared treatments of ferns and fern allies, gymnosperms, all monocots, and the following families of dicots: Aceraceae, Actinidiaceae, Adoxaceae, Amaranthaceae, Anacardiaceae, Araliaceae, Aristolochiaceae, Asteraceae (= Compositae), Balsaminaceae, Basellaceae, Bignoniaceae, Buddlejaceae, Buxaceae, Cactaceae, Cannabaceae, Capparaceae, Chenopodiaceae, Cistaceae, Clusiaceae (Hypericaceae), Convolvulaceae, Cucurbitaceae, Cuscutaceae, Ebenaceae, Elatinaceae, Empetraceae, Ericaceae (incl. Vacciniaceae), Euphorbiaceae, Geraniaceae, Globulariaceae, Haloragaceae, Hamamelidaceae, Hippocastanaceae, Hippuridaceae, Hydrophyllaceae, Hypecoaceae, Lauraceae, Lentibulariaceae, Limoniaceae, Linaceae, Lobeliaceae, Loranthaceae (incl. Viscaceae), Lythraceae, Malvaceae, Martyniaceae, Meliaceae, Menyanthaceae, Molluginaceae, Monotropaceae, Myrtaceae, Nitrariaceae, Onagraceae, Oxalidaceae, Paeoniaceae, Parnassiaceae, Pedaliaceae, Peganaceae, Phytolaccaceae, Plantaginaceae, Plumbaginaceae, Polemoniaceae, Polygonaceae, Portulacaceae, Primulaceae, Punicaceae, Pyrolaceae, Rhamnaceae, Rutaceae, Santalaceae, Sapindaceae, Simaroubaceae, Solanaceae, Staphyleaceae, Theaceae, Theligonaceae, Thymelaeaceae, Tiliaceae, Trapaceae, Tropaeolaceae, Violaceae, Vitaceae, Zygophyllaceae.

Mykola Fedoronchuk was responsible for the following families of dicots: Apiaceae (= Umbelliferae), Apocynaceae, Asclepiadaceae, Berberidaceae, Caesalpiniaceae, Callitrichaceae, Campanulaceae, Caprifoliaceae, Caryophyllaceae, Celastraceae, Ceratophyllaceae, Corylaceae, Droseraceae, Elaeagnaceae, Frankeniaceae, Gentianaceae, Grossulariaceae, Hydrangeaceae, Juglandaceae, Magnoliaceae, Moraceae, Nymphaeaceae, Oleaceae, Orobanchaceae, Platanaceae, Polygalaceae, Resedaceae, Rubiaceae, Salicaceae, Saxifragaceae, Tamaricaceae, Verbenaceae.

The following families were prepared by Mykola Fedoronchuk and Sergei Mosyakin in close cooperation: Betulaceae, Boraginaceae (incl. Heliotropiaceae), Brassicaceae (= Cruciferae), Cornaceae, Crassulaceae, Dipsacaceae, Fagaceae, Fabaceae, Fumariaceae, Lamiaceae (= Labiatae), Nyctaginaceae, Papaveraceae, Ranunculaceae, Rosaceae, Scrophulariaceae, Urticaceae, Valerianaceae.

The final taxonomic editing for all families has been done by Sergei Mosyakin. Major taxonomic changes, corrections and additions, especially proposed by the editor in families treated by Mykola Fedoronchuk, were usually agreed upon by the two co-authors, who thus bear their shared responsibility for these treatments.

Sergei Mosyakin developed the format used in the checklist, and wrote introductory chapters and all notes in the main body of the list. He was also responsible for compiling the indices of families and genera, and data on the conservation status of taxa.

The camera-ready copy has been prepared by Maria Alenikova and Sergei Mosyakin.

## SCOPE, TAXONOMIC CONCEPT AND FORMAT OF THE CHECKLIST

### Scope and structure

The checklist basically includes accepted names and synonyms (including alternative and misapplied names) of native, introduced (alien) and some cultivated vascular plants of Ukraine within her present national borders.

All native plants are included, as well as introduced (alien, adventive, non-indigenous) species. We also listed the most commonly cultivated plants, including all those mentioned in the 3rd edition of the *Manual of vascular plants of Ukraine* (Prokudin & al., 1987). Cultivated species are marked with asterisks (see below). Information on named hybrids (i.e., those known by binomial names) is provided, but mostly in the taxonomic groups where hybrids were reliably studied and registered for Ukraine. Unnamed hybrids (those known by hybrid formulas only) and unstable or dubious hybrid binomials are omitted.

For readers' convenience, the checklist is divided into six main parts corresponding to divisions (phyla) and classes (within Magnoliophyta): (1) Lycopodiophyta, (2) Equisetophyta, (3) Polypodiophyta, (4) Pinophyta = Gymnospermae, (5) Magnoliophyta – monocots (Liliopsida), and (6) Magnoliophyta – dicots (Magnoliopsida).

Families are alphabetically arranged within these major parts. Genera within families and species within genera are also listed alphabetically.

### Taxonomic concept

The family concept is rather traditional, and in Magnoliophyta usually follows Takhtajan's system (Takhtajan, 1987), with a few exceptions.

The genus concept adopted in the checklist is also quite traditional. We tried to maintain traditional name usage and to avoid as yet untested, narrow generic concepts, for example those that would lead to the splitting of *Centaurea* into *Acrota*, *Calcitrapa*, *Colymbada*, *Cyanus*, *Jacea*, *Odontholophus*, etc. However, if there was strong enough evidence for accepting narrower segregate genera, as, for example, in *Polygonum sensu lato*, we usually did that.

The species concept followed in the checklist can be described as "moderately narrow". Traditionally, Ukrainian plant taxonomy used a monotypic species concept, with many "narrow" species recognized. This approach was also typical of the traditional Russian

"Komarov school" of plant taxonomy, established by V.L. Komarov, who followed the ideas of S. I. Korzhinsky and other Russian and European plant taxonomists of the XIX century. In Ukraine, the most notable practitioners of the narrow species concept were M.V. Klovov and his followers and colleagues (M.I. Kotov, D.M. Dobroczaeva, O.M. Dubovik and others), who formed a rather distinct Ukrainian school of plant taxonomy. Klovov further developed and enriched the views of Komarov and J. Paczoski, adding to them his own original ideas on the notion of species as narrowly defined geographical and morphological races. Klovov also proposed his concept of "phytoecidology" as a branch of botany devoted to the study of natural differentiation of plant species, as opposed to their strictly taxonomic delimitation and recognition.

The ideas of Komarov and Klovov were reflected in the monumental *Flora of the USSR* (1934-1964) and *Flora of the Ukrainian SSR* (1935-1965). Consequently, the narrow species concept has dominated Ukrainian and Russian taxonomic and floristic treatments of many groups of vascular plants.

Klovov himself was, undoubtedly, the most prolific author of new taxa in the history of Ukrainian botany. Numerous taxa of vascular plants were described from Ukraine by many other botanists, especially Besser, Steven, Marschall von Bieberstein, Andrzejowski, S. V. Juzepczuk (= Yuzepchuk), Kotov, N. N. Tzvelev, and many others. Naturally, many of these taxa are generally recognized as good species, while some others are presently treated as subspecies, varieties, or mere synonyms.

According to Kotov (1965; see Zaverukha, 1986), there were ca. 1180 species described from the territory of Ukraine, including 840 species during 1917-1964. In his opinion, ca. 280 species are in fact synonyms.

As elsewhere in the world, many taxonomic groups of Ukrainian plants are still badly in need of critical taxonomic revisions. Because of that, we dealt with the legacy of Ukrainian plant taxonomy rather carefully, trying not to reduce the species names into synonymy without strong evidence provided in detailed taxonomic studies available. In our opinion, it is the best alternative to the hasty decisions to submerge "narrow" species into "broader" ones without actually knowing the taxonomic situation in the group concerned.

## **Format**

There are several categories of names used in the checklist:

- 1) accepted names;
- 2) [alternative names] (i.e., synonyms which can be regarded as nomenclaturally equally correct names, depending on the genus concept, species/subspecies concept, etc.);

3) (synonyms);

4) {misapplied names}.

The last three categories are linked to accepted names, as shown by examples below.

***Achillea birjuczensis* Klokov**

(*Achillea borysthenea* Klokov & Sakalo) = *Ptarmica salicifolia*

***Achillea carpatica* Blocki ex Dubovik**

[*Achillea cartilaginea* Ledeb. ex Rchb.] = *Ptarmica cartilaginea*

Here *Achillea birjuczensis* and *A. carpatica* are accepted names; *Achillea borysthenea* is a synonym of *Ptarmica salicifolia*; and *Achillea cartilaginea* is an alternative name for *Ptarmica cartilaginea*. The latter is accepted, or recommended, in the checklist; however, if anyone prefers *Achillea* in its broad sense (including *Ptarmica*), the alternative name may be used.

The following characters and special format are used in the checklist:

( ) – synonym

Example:

(*Festuca laeviuscula* Klokov) = *Festuca beckeri*

(*Allium montanum* F.W.Schmidt 1794, non Schrank 1785) = *Allium senescens* subsp.  
montanum

[ ] – synonym / alternative name

Examples:

[*Eragrostis pilosa* (L.) P.Beauv. subsp. *multicaulis* (Steud.) Tzvelev] = *Eragrostis*  
*multicaulis*

Here *Eragrostis multicaulis* is the accepted name. The name *Eragrostis pilosa* subsp. *multicaulis* may be used from the "lumper's" viewpoint, if *E. pilosa* is accepted in the broad sense.

[*Hieracium pilosella* L.] = *Pilosella officinarum*

If you prefer the genus *Hieracium* sensu lato, you may use the name *Hieracium pilosella*; if you more like splitting the genus into segregate genera *Hieracium* and *Pilosella*, please use *Pilosella officinarum*. The latter is accepted, or rather recommended, in the checklist.



{ } – misapplied name

Examples:

{*Cenchrus tribuloides* auct. non L.} = *Cenchrus longispinus*

Here *Cenchrus tribuloides* (sensu auct., non L.) is a name previously misapplied (by D. Larionov and some others) to the alien species *Cenchrus longispinus*, which actually occurs in Ukraine. Thus, here the braces mean "sensu auct., non L." Of course, it DOES NOT mean that *C. tribuloides* is a synonym of *C. longispinus* !

{*Taraxacum murbeckianum* auct. non Hagl.} = *Taraxacum pseudomurbeckianum*

In this example, N. Tzvelev initially reported *T. murbeckianum* from Crimea, but then decided to describe the Crimean plant as a new species, *T. pseudomurbeckianum*. Thus, the name *T. murbeckianum* (sensu Tzvelev, non Haglund) was initially misapplied to the Crimean species currently known as *T. pseudomurbeckianum*. And, of course, as in the example above, it DOES NOT mean that *T. murbeckianum* is a synonym of *T. pseudomurbeckianum*.

(*Echinochloa occidentalis* (Wiegand) Rydb. s.str.) = *Echinochloa crusgalli*

{*Echinochloa occidentalis* auct. non (Wiegand) Rydb.} = *Echinochloa microstachya* subsp.  
*wiegandii*

{*Echinochloa occidentalis* sensu Probatova, non (Wiegand) Rydb.} = *Echinochloa crusgalli*  
subsp. *spiralis*

A more complicated example. The holotype of *E. occidentalis* (Wiegand) Rydb. belongs to *E. crusgalli* sensu stricto (consequently, it automatically makes *E. occidentalis* a synonym of *E. crusgalli*), while other authentic specimens are what we call now *E. microstachya* subsp. *wiegandii* (a North American taxon of the *E. muricata* aggregate). However, N. Probatova in her treatment of Far Eastern grasses misapplied the name to a different weedy Eurasian subspecies of *E. crusgalli*.

\* – cultivated

Asterisks indicate cultivated plants.

\*! – cultivated and escaped

The exclamation mark in combination with asterisk indicates cultivated and escaped plants.

~ – very close to ... (or almost identical with...)

We believed that, at least in some cases, it was useful to indicate relationships of a particular species. When the species status of a taxon is doubtful, or taxonomic opinions are

controversial, we preferred not to submerge the species concerned into another species, but rather used instead the indication of close relationships between the taxa in question. Thus, sometimes the character ~ is a polite way to say "Probably a synonym of ..." In this manner we tried to avoid arbitrary decisions in those groups which need additional taxonomic study.

In some notorious taxonomically complicated groups (*Taraxacum*, *Hieracium*, *Dactylorhiza*, etc.), the character ~ assigns a taxon (an agamic microspecies, or a "narrow" species) to a particular broadly defined species aggregate (see examples below).

Examples:

***Stipa adoxa* Klokov & Ossyczynjuk ~ *Stipa syreistschikowii***

***Tulipa hypanica* Klokov & Zoz ~ *Tulipa biebersteiniana* s.l.**

***Taraxacum hypanicum* Tzvelev ~ *Taraxacum serotinum* aggr.**

This format indicates that the "narrow" species *T. hypanicum* sensu stricto belongs to the *T. serotinum* species aggregate.

? – records from Ukraine need confirmation.

Example:

**?*Dactylorhiza ochroleuca* (Boll) Holub ~ *Dactylorhiza incarnata* aggr.**

Note: Reported from the western part of Ukraine; needs confirmation.

× – hybrid

Examples:

***Elytrigia* × *tesquicola* (Prokud.) Prokud. & Klokov = *Elytrigia repens* × *Elytrigia trichophora***

***Dactylorhiza* × *kerneriorum* (Soó) Soó = *Dactylorhiza fuchsi* × *Dactylorhiza incarnata***

Additional information on some species is provided in notes.

### **Conservation status**

Data on conservation status of taxa are provided for species listed in the Red Data Book of Ukraine (2nd edition, Shelyag-Sosonko & al., 1996), European Red List (cited according to the selected list of species provided in the RDBU, since this version is legally binding in Ukraine), and 1997 IUCN Red List of Threatened Plants (Walter & Gillett, 1998).

**Abbreviations:**

RDBU – Red Data Book of Ukraine

ERL – European Red List

IUCN RL – 1997 IUCN Red List of Threatened Plants

**Categories used:**

RDBU:

0 – extinct (probably extinct)

1 – endangered

2 – vulnerable

3 – rare

4 – indeterminate

ERL (European Red List) and IUCN RL (1997 IUCN Red List of Threatened Plants):

Ex – extinct

Ex/E – extinct/endangered

E – endangered

V – vulnerable

R – rare

I – indeterminate

**Other abbreviations:**

Standard taxonomic abbreviations are used in the checklist. In most cases they do not require any additional explanations.

aggr. – aggregate, a group of closely related species.

nom. ambig. – nomen ambiguum

nom. cons. – nomen conservandum (conserved name)

nom. illeg. – nomen illegitimum (illegitimate name)

nom. inval. – nomen invalidum (invalid name)

nom. nud. – nomen nudum  
nom. provis. – nomen provisorum (provisional name)  
nom. utique rej. – nomen utique rejiciendum  
nom. utique rej. prop. – nomen utique rejiciendum propositum  
ortho – orthographic variant  
p.p. – pro parte (in part)  
sphalm. – sphalmate (erroneously, by mistake; misspelling)  
s.l. – sensu lato (in the broad sense)  
s.str. – sensu stricto (in the strict sense)  
sensu [author] – according to [author]  
subsp. – subspecies  
var. – varietas (variety)

Abbreviations of author names follow Brummitt & Powell (1992), except for those rare cases, when this standard list incorrectly transliterates names based on the Cyrillic alphabet, or spells such names in serious contradiction with the original Latin spelling preferred by the authors. In such cases the author names used in the checklist follow more closely the traditional abbreviations and spelling found in Ukrainian botanical literature.

## **BASIC INFORMATION ABOUT UKRAINE AND HER BIODIVERSITY**

Ukraine is the second largest European country, following the European part of Russia. The country stretches 1,316 km from west to east (from 22 to 40 degrees E) and almost 900 km from north to south (from 44 to 52 degrees N). The total surface area of Ukraine is 603,550 square kilometers; her population is about 50 million people.

The capital of Ukraine is Kiev (Kyiv in Ukrainian transliteration). Ukraine is subdivided administratively into 26 regions (Ukr.: "oblast"), and the Autonomous Republic of Crimea. The regions are further subdivided into districts (Ukr.: "rayon").

The country lies in the central and southeastern parts of Europe. It is worth mentioning that, surprisingly to many Europeans, the geographical center of the European continent is located in the western part of Ukraine (Transcarpathia).

The following brief information about Ukraine and her biodiversity is based mainly on data presented in the National Report of Ukraine on Conservation of Biological Diversity

(MEPNS & ICCCBLD, 1997) and some other official publications, as well as an overview prepared by Mosyakin & Hardashuk (in press).

Three main physiographical zones can be recognized within the flatland portion of Ukraine: mixed forests, forest-steppe, and steppe. The highland and montane regions of Ukraine include the Ukrainian Carpathians in the west, and the Crimean Mountains in the southern part of the country. The highest altitudes within the plain part of Ukraine reach 300–475 m above sea level; the highest peaks are Hoverla (2061 m) in the Carpathians and Roman-Kosh (1542 m) in the Crimean Main Range. The territory of Ukraine lies mostly within the temperate climatic zone, with the exception of the Crimean South Coast, which belongs to the sub-Mediterranean zone and has some subtropical climatic features.

There are about 22,000 rivers in Ukraine; their total length is more than 170,000 km. The main rivers are the Dnipro (= Dnieper) with its largest tributaries the Prypyat and the Desna; the Dunai (= Danube), the Dnister (= Dniester), the Pivdenny Bug (= Southern Bug), the Zahidny Bug (= Western Bug), and the Siversky Dinets (= Siversky Donets). Almost all Ukrainian rivers belong to the basins of the Black Sea and the Sea of Azov; only 4% of rivers flow to the Baltic Sea. Ukraine has more than 3,000 lakes and estuaries (coastal salt lakes, limans) covering more than 200,000 ha. Forty lakes are comparatively large (more than 10 square km each). The largest lakes are Lake Svityaz and Turske in the northwestern part of the country. The largest estuary lake is Dnister Liman. The coast lines of the Black Sea and the Sea of Azov stretch for 1,050 km along the southern border of Ukraine.

#### **A brief overview of taxonomic biodiversity in Ukraine: plants, fungi and animals**

Being a large country and stretching through several physiographic zones, Ukraine has a relatively high level of biodiversity, which is, however, often underestimated.

The rich biota of Ukraine consists of more than 70,000 species of living organisms. There are still some evident gaps in our knowledge of Ukraine's biodiversity, especially certain taxonomically complicated groups of animals, plants and fungi. The degree to which the large systematic groups have been studied varies. There is fairly complete data on vascular plants and vertebrates (mammals, birds, reptiles and amphibians, fishes); while many groups of macrofungi, non-vascular plants and invertebrate animals have been poorly studied. There is virtually no information on some groups of microfungi and insects.

There are more than 25,000 species of plants and fungi in Ukraine, including 5,100 species of vascular plants [according to the official data provided in the National Report; our estimation is somewhat different ! – S.M.], more than 15,000 fungi and myxomycetes, more than 1,000 lichens, almost 800 mosses and ca. 4,000 algae. The floristically richest regions

of Ukraine are the Carpathian Mountains and Crimea (ca. 2,000 and 2,250 species of vascular plants respectively). The Crimean Mountains are especially rich in endemic taxa (250-300 endemics and subendemics, depending on a broad or narrow species concept).

Data on the number of species of vascular plant were summarized by B. V. Zaverukha (1985); the following data are given according to his publication.

According to M. I. Kotov (1965), there are 3545 species of vascular plants growing in Ukraine, including 714 species, which occur in Ukraine only in Crimea.

L. F. Kucheryava (1976) estimated the number of native vascular plants species occurring in Ukraine as 4029 (129 families and 896 genera), plus ca. 550 cultivated taxa.

According to Y. R. Shelyag-Sosonko & Y. P. Didukh (1975), there are ca. 4938 species (185 families and 1058 genera) of both native, alien, and widely cultivated species growing in Ukraine.

According to the latest data by B. V. Zaverukha (1985), there are 5078 (or ca. 5100) species of native plus main cultivated vascular plants. Native plus completely naturalized taxa account for 4523 species. The leading families are Asteraceae (104 genera and ca. 670 species), Poaceae (85/360), Rosaceae (34/290), Brassicaceae (62/232), Caryophyllaceae (30/ca. 230), Lamiaceae (33/215) etc.

At least 45,000 species of animals inhabit Ukraine. More than 44,000 of them are invertebrates (including more than 35,000 species of insects, about 3,500 other arthropods, 1,800 protozoans, 1,600 roundworms, 1,280 flatworms and 440 segmented worms, etc.). Vertebrates are represented by ca. 200 species of fish and lampreys, 17 amphibians, 21 reptiles, ca. 400 birds, and 108 mammals.

### **Conservation of biodiversity in Ukraine**

National activities in biodiversity conservation are based on the Constitution of Ukraine (adopted in 1996), national environmental and conservational legislation, and international conventions ratified by Ukraine. Such international agreements as the Convention on Biological Diversity are viewed in Ukraine as a legal and ethical obligation. The Ministry for Environmental Protection and Nuclear Safety of Ukraine (MEPNS) is the primary governmental body responsible for the national environmental policy, natural resources, biodiversity conservation, etc. Other governmental agencies responsible for conservation and use of natural resources are: the Ministry of Agriculture and Food, State Committee of Forestry, State Committee of Land Resources, State Committee of Water Management, State Committee of Geology, etc.

The network of protected areas in Ukraine consists of 6572 areas and sites covering 2,037,200 hectares, or 3.37% of the territory of Ukraine (data of 1 January 1997). The conservation network is being constantly developed and expanded. The National Strategy and Action Plan for conservation of Ukraine's biodiversity has been recently approved at the highest governmental level (Cabinet of Ministers and Parliament).

According to the Law of Ukraine "On Protection of Environment" of 25 June 1991, the species listed in the Red Data Book of Ukraine (RDBU) are natural resources of national importance. The present legal status of RDBU is defined in Ukrainian Parliament's Act "On the Red Data Book of Ukraine" of 29 October 1992. The present, second edition of RDBU consists of two volumes, which provide brief descriptions, illustrations, distribution maps and other relevant data on rare and threatened organisms of Ukraine. The first volume is devoted to 541 taxa of plants and fungi: vascular plants (439 species), mosses (28), algae (17), lichens (27), and fungi (30). The second volume includes 382 species of animals: hydroids (2 species), roundworms (2), segmented worms (7), crustaceans (26), arachnids (2), myriapods (3), insects (173), mollusks (12), jawless fishes (2), fishes (32), amphibians (5), reptiles (8), birds (67), and mammals (41). The second edition of RDBU is considerably updated and expanded as compared to the first edition (1980), which listed only 151 species of vascular plants and 85 species of animals (29 mammals, 28 birds, 6 reptiles, 4 amphibians and 18 insects).

The 1997 IUCN Red List of Threatened Plants (Walter & Gillett, 1997) officially includes 52 species of vascular plants from Ukraine. However, many plants of the Ukrainian flora are reported in the Red List for the "former USSR", "former European USSR", or adjacent countries (Russia, Poland, Slovakia, Romania, etc.). According to our data (Mosyakin, 1999), about 108 taxa (mostly species, but also a few subspecies and varieties) of vascular plants occurring in Ukraine are in fact listed in the 1997 IUCN Red List.

The Green Data Book of Ukraine (GDBU) is the unique example in the world conservation practice. In fact, it is a new conceptual approach to conservation of biodiversity with the main stress on its coenotic aspect, on rare, unique, and typical plant communities. The first version of GDBU was prepared and published as a fundamental scientific monograph by scientists of the M. G. Kholodny Institute of Botany (National Academy of Sciences of Ukraine) in 1987 (Shelyag-Sosonko & al., 1987). In 1997, following the decision of the Government, GDBU was recognized as a legal document providing legal justification for conservation of rare and threatened plant communities. GDBU provides information about 126 plant communities. All major types of vegetation are represented: forest (51 communities), steppe (26), meadow (16), aquatic vegetation (16), mire and swamp (12) and shrub (5) plant communities. A new updated edition of GDBU is being prepared.

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## **DIVISIO LYCOPODIOPHYTA**

### **FAMILY Lycopodiaceae**

(*Diphasium alpinum* (L.) Rothm.) = *Diphasiastrum alpinum*  
(*Diphasium anceps* (Wallr.) A.Löve & D.Löve) = *Diphasiastrum complanatum*  
(*Diphasium complanatum* (L.) Rothm.) = *Diphasiastrum complanatum*  
(*Diphasium complanatum* (L.) Rothm. subsp. *issleri* (Rouy) Dostál) = *Diphasiastrum issleri*  
(*Diphasium issleri* (Rouy) Holub) = *Diphasiastrum issleri*  
(*Diphasium tristachyum* (Pursh) Rothm.) = *Diphasiastrum tristachyum*  
(*Diphasium wallrothii* H.P.Fuchs) = *Diphasiastrum complanatum*  
(*Diphasium zeilleri* (Rouy) Damboldt) = *Diphasiastrum zeilleri*

***Diphasiastrum alpinum* (L.) Holub**

***Diphasiastrum complanatum* (L.) Holub**

Conservation status: RDBU (2).

***Diphasiastrum issleri* (Rouy) Holub**

Conservation status: ERL (V).

Note: A hybridogenous species (= *D. alpinum* × *D. tristachyum*).

***Diphasiastrum tristachyum* (Pursh) Holub**

***Diphasiastrum zeilleri* (Rouy) Holub**

Note: A hybridogenous species (= *D. complanatum* × *D. tristachyum*).

(*Lepidots inundata* (L.) Börner) = *Lycopodiella inundata*

***Lycopodiella inundata* (L.) Holub**

Conservation status: RDBU (2).

[*Lycopodium alpinum* L.] = *Diphasiastrum alpinum*

***Lycopodium annotinum* L.**

Conservation status: RDBU (2).

***Lycopodium clavatum* L.**

[*Lycopodium complanatum* L.] = *Diphasiastrum complanatum*

[*Lycopodium inundatum* L.] = *Lycopodiella inundata*

[*Lycopodium issleri* (Rouy) Domin] = *Diphasiastrum issleri*

(*Lycopodium selago* L.) = *Huperzia selago*

[*Lycopodium tristachyum* Pursh] = *Diphasiastrum tristachyum*

[*Lycopodium zeilleri* (Rouy) Greuter & Burdet] = *Diphasiastrum zeilleri*

## **FAMILY Huperziaceae**

**Huperzia selago** (L.) Bernh. ex Schrank & C.Mart.

Conservation status: RDBU (1).

(*Mirmau selago* (L.) H.P.Fuchs) = *Huperzia selago*

(*Urostachys selago* (L.) Herter) = *Huperzia selago*

## **FAMILY Selaginellaceae**

[*Lycopodioides helveticum* (L.) Kuntze] = *Selaginella helvetica*

**Selaginella helvetica** (L.) Spring

Conservation status: RDBU (1).

**Selaginella selaginoides** (L.) C.Mart.

Conservation status: RDBU (1).

## **FAMILY Isoëtaceae**

**Isoëtes lacustris** L.

Conservation status: RDBU (2).

# **DIVISIO EQUISETOPHYTA**

## **FAMILY Equisetaceae**

**Equisetum arvense** L.

**Equisetum fluviatile** L.

(*Equisetum heleocharis* Ehrh.) = *Equisetum fluviatile*

**Equisetum hyemale** L.

(*Equisetum limosum* L.) = *Equisetum fluviatile*

**Equisetum × litorale** Küchlew. ex Rupr. = *Equisetum arvense* × *Equisetum fluviatile*

(*Equisetum majus* Garsault) = *Equisetum telmateia*

(*Equisetum maximum* Lam.) = *Equisetum telmateia*

**Equisetum palustre** L.

**Equisetum pratense** L.

**Equisetum ramosissimum** Desf.

**Equisetum sylvaticum** L.

**Equisetum telmateia** Ehrh.

**Equisetum × torgesianum** Rothm. = *Equisetum arvense* × *Equisetum palustre*  
**Equisetum variegatum** Schleich. ex Weber & Mohr

[*Hippochaete hyemalis* (L.) Bruhin] = *Equisetum hyemale*  
[*Hippochaete ramosissima* (Desf.) Börner] = *Equisetum ramosissimum*  
[*Hippochaete variegata* (Schleich. ex Weber & Mohr) Bruhin] = *Equisetum variegatum*

## **DIVISIO POLYPODIOPHYTA**

### **FAMILY Adiantaceae (Pteridaceae s.l.)**

**Adiantum capillus-veneris** L.  
Conservation status: RDBU (1).

### **FAMILY (Aspidiaceae) = Dryopteridaceae**

### **FAMILY Aspleniaceae**

**Asplenium adiantum-nigrum** L.  
Conservation status: RDBU (3).  
[*Asplenium adiantum-nigrum* L. subsp. *cuneifolium* (Viv.) Asch.] = *Asplenium cuneifolium*  
**?Asplenium × adulteriniforme** Lovis, Melzen & Reichstein *Asplenium trichomanes* ×  
*Asplenium viride*  
**Asplenium × alternifolium** Wulfen = *Asplenium septentrionale* × *Asplenium trichomanes*  
[*Asplenium billotii* F.W.Schultz] = *Asplenium obovatum* subsp. *lanceolatum*  
[*Asplenium ceterach* L.] = *Ceterach officinarum*  
**Asplenium cuneifolium** Viv.  
{*Asplenium germanicum* auct. non Weis} = *Asplenium × alternifolium*  
(*Asplenium heufleri* Reichardt) = *Asplenium × heufleri*  
**Asplenium × heufleri** Reichardt = *Asplenium septentrionale* × *Asplenium trichomanes*  
(subsp. *quadrivalens* D.E.Mey.)  
**Asplenium obovatum** Viv. subsp. *lanceolatum* (Fiori) P.Silva  
**Asplenium ruta-muraria** L.  
[*Asplenium scolopendrium* L.] = *Phyllitis scolopendrium*  
**Asplenium septentrionale** (L.) Hoffm.  
**?Asplenium × souchei** Litard.  
Note: Reported for the Crimean South Coast, Ayudag (V. Golubev, 1995, Bot. Zhurn.  
80(11): 46-54).  
**Asplenium trichomanes** L.  
**Asplenium trichomanes** L. subsp. *quadrivalens* D.E.Mey.

**Asplenium viride** Huds.

**Ceterach officinarum** Willd.

**Phyllitis scolopendrium** (L.) Newman

(*Scolopendrium officinale* Sw.) = *Phyllitis scolopendrium*

## **FAMILY Athyriaceae**

(*Acrostichum alpinum* Bolton) = *Woodsia alpina*

(*Acrostichum ilvense* L.) = *Woodsia ilvensis*

(*Athyrium alpestre* (Hoppe) Rylands ex T.Moore 1857, non Clairv. 1811) = *Athyrium distentifolium*

**Athyrium distentifolium** Tausch ex Opiz

**Athyrium filix-femina** (L.) Roth

Note: *Athyrium reichsteinii* Schneller & Rasbach (= *A. distentifolium* × *A. filix-femina*) can be expected in the Carpathians.

**Cystopteris alpina** (Lam.) Desv.

**Cystopteris fragilis** (L.) Bernh.

**Cystopteris montana** (Lam.) Bernh. ex Desv.

(*Cystopteris regia* (L.) Desv., nom. ambig.) = *Cystopteris fragilis*

{*Cystopteris regia* auct. non (L.) Desv.} = *Cystopteris alpina*

**Cystopteris sudetica** A.Braun & Milde

[*Rhizomatopteris montana* (Lam.) A.P.Khokhr.] = *Cystopteris montana*

[*Rhizomatopteris sudetica* (A.Braun & Milde) A.P.Khokhr.] = *Cystopteris sudetica*

**Woodsia alpina** (Bolton) S.F.Gray

Conservation status: RDBU (2).

**Woodsia ilvensis** (L.) R.Br.

Conservation status: RDBU (2).

## **FAMILY Azollaceae**

**Azolla caroliniana** Willd.

**Azolla filiculoides** Lam.

## **FAMILY Blechnaceae**

**Blechnum spicant** (L.) Roth

## **FAMILY Dennstaedtiaceae**

**Pteridium aquilinum** (L.) Kuhn

**Pteridium tauricum** (C.Presl) V.Krecz. ex Grossh. ~ **Pteridium aquilinum**

## **FAMILY Dryopteridaceae**

**Gymnocarpium × achriosporum** Sarvela = **Gymnocarpium dryopteris** × **Gymnocarpium robertianum**

Note: Occurrence of this sterile hybrid in Ukraine needs confirmation.

**Gymnocarpium dryopteris** (L.) Newman

{**Gymnocarpium heterosporum** auct. non W.H.Wagner} = **Gymnocarpium × achriosporum**

Note: **Gymnocarpium × heterosporum** is a putative triploid hybrid between **G.**

**robertianum** and **G. appalachianum** Pryer & Hauffler, a local endemic of the Appalachian region in North America (K.M. Pryer, 1992, Amer. Fern J. 82: 34-39).

A tetraploid hybrid **G. × achriosporum** Sarvela (**G. dryopteris** × **G. robertianum**) is extremely rare in Europe. Probably Ukrainian plants erroneously reported as "**G. heterosporum**" are in fact **G. × achriosporum**.

{**Gymnocarpium × intermedium** auct. non Sarvela} = **Gymnocarpium × achriosporum**

Note: **Gymnocarpium × intermedium** s. str. is a hybrid between **G. jessoense** (Koidz.) Koidz. and **G. dryopteris**. It does not occur in Ukraine.

**Gymnocarpium robertianum** (Hoffm.) Newman

**Dryopteris affinis** (Lowe) Fraser-Jenkis

(**Dryopteris assimilis** S.Walker) = **Dryopteris expansa**

(**Dryopteris austriaca** (Jacq.) Woyнар ex Schinz & Thell. s.str.) = **Pteridium aquilinum**

{**Dryopteris austriaca** auct. non (Jacq.) Woyнар ex Schinz & Thell.} = **Dryopteris dilatata**

**Dryopteris caucasica** (A.Braun) Fraser-Jenkins & Corley

Note: Reported for the Crimean Mountains (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

**Dryopteris carthusiana** (Vill.) H.P.Fuchs

**Dryopteris cristata** (L.) A.Gray

**Dryopteris dilatata** (Hoffm.) A.Gray

(**Dryopteris dilatata** (Hoffm.) A.Gray subsp. **americana** (Fisch.) Hultén) = **Dryopteris expansa**

(**Dryopteris euspinulosa** (Diels) Fomin, nom. illeg.) = **Dryopteris carthusiana**

**Dryopteris expansa** (C.Presl) Fraser-Jenkis & Jermy

**Dryopteris filix-mas** (L.) Schott

(**Dryopteris lanceolatocristata** (Hoffm.) Alst.) = **Dryopteris carthusiana**



(*Dryopteris linneana* C.Chr.) = *Gymnocarpium dryopteris*  
(*Dryopteris phegopteris* (L.) C.Chr.) = *Phegopteris connectilis*  
(*Dryopteris pseudomas* (Wollaston) Holub & Pouzar) = *Dryopteris affinis* s.l.  
(*Dryopteris robertiana* (Hoffm.) C.Chr.) = *Gymnocarpium robertianum*  
(*Dryopteris thelypteris* (L.) A.Gray) = *Thelypteris palustris*  
*Dryopteris* × *uliginosa* (A.Braun ex Döll) Druce = *Dryopteris carthusiana* × *Dryopteris cristata*

*Polystichum aculeatum* (L.) Roth  
(*Polystichum angulare* (Kit. ex Willd.) C.Presl) = *Polystichum setiferum*  
*Polystichum braunii* (Spencer) Fée  
? *Polystichum* × *illiricum* (Borbás) Hahne = *Polystichum aculeatum* × *Polystichum lonchitis*  
*Polystichum lonchitis* (L.) Roth  
*Polystichum setiferum* (Forssk.) T.Moore ex Woyнар

### **FAMILY Hemionitidaceae**

*Anogramma leptophylla* (L.) Link  
Conservation status: RDBU (1).

### **FAMILY (Hypolepidaceae) = Dennstaedtiaceae**

### **FAMILY Marsileaceae**

*Marsilea quadrifolia* L.  
Conservation status: RDBU (1).

*Pilularia globulifera* L.  
Conservation status: ERL (V).

### **FAMILY Onocleaceae**

*Matteuccia struthiopteris* (L.) Tod.

(*Struthiopteris filicastrum* All.) = *Matteuccia struthiopteris*  
(*Struthiopteris germanica* Willd.) = *Matteuccia struthiopteris*

### **FAMILY Ophioglossaceae**

Note: Including Botrychiaceae.

(*Botrychium charcoviense* Portenschl.) = *Botrychium virginianum*

**Botrychium lunaria** (L.) Sw.

Conservation status: RDBU (2).

**Botrychium matricariifolium** (A.Braun ex Döll) W.D.J.Koch

(*Botrychium matricarioides* Willd.) = *Botrychium multifidum*

**Botrychium multifidum** (S.G.Gmel.) Rupr.

**Botrychium virginianum** (L.) Sw.

(*Botrychium virginicum* Willd.) = *Botrychium virginianum*

[*Botrypus virginianus* (L.) Holub] = *Botrychium virginianum*

**Ophioglossum vulgatum** L.

[*Sceptridium multifidum* (S.G.Gmel.) Tagawa] = *Botrychium multifidum*

## **FAMILY Polypodiaceae**

**Polypodium interjectum** Shivas

**Polypodium vulgare** L.

## **FAMILY Pteridaceae**

**Pteris cretica** L.

Conservation status: RDBU (4).

## **FAMILY Salviniaceae**

**Salvinia natans** (L.) All.

Conservation status: RDBU (2).

## **FAMILY Sinopteridaceae**

**Cheilanthes acrosticha** (Balb.) Tod.

{*Cheilanthes fragrans* auct. non (L.f.) Sw.} = *Cheilanthes acrosticha*

[*Cheilanthes marantae* (L.) Domin] = *Notholaena marantae*

**Cheilanthes persica** (Bory) Mett. ex Kuhn

Conservation status: RDBU (1).

{*Cheilanthes pteridioides* auct. non (Reichard) C.Chr.} = *Cheilanthes acrosticha*

**Notholaena marantae** (L.) Desv.

Conservation status: RDBU (1).

(*Notolaena persica* Bory) = *Cheilanthes persica*

## **FAMILY Thelypteridaceae**

[*Lastrea limbosperma* (Bellardi ex All.) Holub & Pouzar] = *Oreopteris limbosperma*

*Oreopteris limbosperma* (Bellardi ex All.) Holub

*Phegopteris connectilis* (Michx.) Watt

[*Thelypteris limbosperma* (Bellardi ex All.) H.P.Fuchs] = *Oreopteris limbosperma*

*Thelypteris palustris* Schott

[*Thelypteris phegopteris* (L.) Sloss.] = *Phegopteris connectilis*

## **DIVISIO PINOPHYTA (= GYMNOSPERMAE)**

### **FAMILY Cupressaceae**

(*Biota orientalis* (L.) Endl.) = *Platycladus orientalis*

\* *Calocedrus decurrens* (Torr.) Florin

\* *Chamaecyparis lawsoniana* (A.Murray) Parl.

\* *Chamaecyparis nootkatensis* (D.Don) Sudworth

\* *Chamaecyparis pisifera* (Siebold & Zucc.) Endl.

\* *Cupressus arizonica* Greene

\* *Cupressus funebris* Endl.

\* *Cupressus goveniana* Gordon

\* *Cupressus guadalupensis* S.Watson

\* *Cupressus lusitanica* Mill.

\* *Cupressus macnabiana* A.Murray

\* *Cupressus macrocarpa* Hartweg

\*! *Cupressus sempervirens* L.

Note: Reported as escaped in the Crimean South Coast (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

\* *Cupressus torulosa* D.Don

(*Juniperus alpina* (Suter) S.F.Gray) = *Juniperus sibirica*

\* *Juniperus chinensis* L.

*Juniperus communis* L.

[*Juniperus communis* L. subsp. *alpina* Čelak.) = *Juniperus sibirica*

[*Juniperus communis* L. subsp. *hemisphaerica* (C.Presl) Nyman] = *Juniperus hemisphaerica*

*Juniperus communis* L. subsp. *nana* (Willd.) Syme) = *Juniperus sibirica*  
*Juniperus depressa* Steven 1857, non Raf. 1818) = *Juniperus hemisphaerica*  
*Juniperus excelsa* M.Bieb.

Conservation status: RDBU (2).

*Juniperus foetidissima* Willd.

Conservation status: RDBU (2).

*Juniperus hemisphaerica* C.Presl

*Juniperus isophyllos* auct. non K.Koch} = *Juniperus excelsa*

*Juniperus klokovii* Kondr., nom. inval.) = *Juniperus hemisphaerica*

*Juniperus marschalliana* Steven) = *Juniperus oxycedrus*

*Juniperus nana* Willd.) = *Juniperus sibirica*

*Juniperus oxycedrus* L.

{*Juniperus pygmaea* auct. non K.Koch} = *Juniperus hemisphaerica*

*Juniperus sabina* L.

*Juniperus sibirica* Burgsd.

\**Juniperus virginiana* L.

Note: Several other species of *Juniperus* are cultivated in botanical gardens and parks:

North American taxa *J. horizontalis* Moench, *J. occidentalis* Hook., *J. scopulorum* Sarg., and Asian species *J. pseudosabina* Fisch. & C.A.Mey., *J. rigida* Siebold & Zucc., *J. sargentii* (A.Henry) Takeda ex Koidz., *J. semiglobosa* Regel, *J. seravschanica* Kom., and *J. turkestanica* Kom.

(*Libocedrus decurrens* Torr.) = *Calocedrus decurrens*

\**Platycladus orientalis* (L.) Franco

(*Sabina officinalis* Garcke) = *Juniperus sabina*

(*Sabina virginiana* (L.) Antoine) = *Juniperus virginiana*

(*Sabina vulgaris* Antoine) = *Juniperus sabina*

(*Sabinus sabina* (L.) Kondr., nom. illeg.) = *Juniperus sabina*

\**Thuja occidentalis* L.

(*Thuja orientalis* L.) = *Platycladus orientalis*

\**Thuja plicata* D.Don

\**Thujopsis dolabrata* Siebold & Zucc.

## FAMILY Ephedraceae

*Ephedra arborea* Lag.

*Ephedra distachya* L.

## **FAMILY Ginkgoaceae**

\***Ginkgo biloba** L.

## **FAMILY Pinaceae**

**Abies alba** Mill.

\***Abies balsamea** (L.) Mill.

\***Abies cephalonica** Loudon

\***Abies cilicica** Carrière

\***Abies concolor** (Gordon & Glend.) Hildebr.

(**Abies douglasii** Lindl.) = **Pseudotsuga menziesii**

(**Abies excelsa** (Lam.) DC.) = **Picea abies**

(**Abies larix** (L.) Poir.) = **Larix decidua**

\***Abies nordmanniana** (Steven) Spach

\***Abies numidica** De Lannoy

(**Abies picea** Mill.) = **Picea abies**

\***Abies pinsapo** Boiss.

\***Abies sibirica** Ledeb.

Note: In addition to the taxa listed above, several other species of **Abies** are rarely cultivated in botanical gardens and parks: North American taxa **A. fraseri** (Pursh) Poir., **A. grandis** (Douglas ex D.Don) Lindl., **A. lowiana** (Gordon) A.Murray bis, and Asian **A. holophylla** Maxim., **A. nephrolepis** (Trautv.) Maxim., etc.  
(**Abies taxifolia** Poir.) = **Pseudotsuga menziesii**

\***Cedrus atlantica** (Endl.) Carrière

Note: Reported as escaped in Crimea, Ayudag (V. Golubev, 1995, Bot. Zhurn. 80(11): 6-54).

\***Cedrus deodara** (D.Don) G.Don f.

\***Cedrus libani** A.Rich.

\***Chrysolarix amabilis** (Nelson) H.E.Moore

(**Larix carpatica** Domin) = **Larix polonica**

\***Larix decidua** Mill.

Note: Records of **L. decidua** as a native species in the Carpathians need confirmation; they probably refer mostly to **L. polonica**, or cultivated plants.  
(**Larix decidua** Mill. subsp. **carpatica** (Domin) Domin) = **Larix polonica**  
[**Larix decidua** Mill. subsp. **polonica** (Racib.) Domin] = **Larix polonica**  
(**Larix europaea** DC.) = **Larix decidua**  
(**Larix larix** H.Karst., nom. inval.) = **Larix decidua**

(*Larix leptolepis* (Siebold & Zucc.) Gordon) = *Chrysolarix amabilis*

***Larix polonica* Racib.**

Conservation status: RDBU (1); IUCN RL (R), as *Larix decidua* subsp. *polonica*.

Note: This taxon probably has originated as an ancient hybrid between *L. decidua* and *L. sibirica*.

**\**Larix sibirica* Ledeb.**

Note: Several other species and hybrids of *Larix* are rarely cultivated in botanical gardens and arboreta: *L. laricina* (Du Roi) K.Koch (= *L. americana* Michx.), *L. × czekanowskii* Szafer (= *L. gmelinii* × *L. sibirica*), *L. gmelinii* (Rupr.) Rupr., *L. × lubarskii* Sukacz., *L. occidentalis* Nutt., *L. olgensis* A.Henry, *L. sukaczewii* Dylis, etc.

***Picea abies* (L.) H.Karst.**

(*Picea alba* (Aiton) Link) = *Picea glauca*

(*Picea canadensis* (Mill.) Britt., Sterns & Poggenb.) = *Picea glauca*

**\**Picea engelmannii* W.Parry ex Engelm.**

(*Picea excelsa* (Lam.) Link) = *Picea abies*

**\**Picea glauca* (Moench) Voss**

(*Picea montana* Schur) = *Picea abies* s.l.

**\**Picea morinda* Link**

**\**Picea omorica* (Pančić) Pyrkyně**

**\**Picea orientalis* (L.) Link**

**\**Picea pungens* Engelm.**

**\**Picea sitchensis* (Bongard) Carrière**

Note: Several other species of *Picea* are rarely cultivated in botanical gardens and arboreta.

(*Pinus abies* L.) = *Picea abies*

(*Pinus austriaca* Hull.) = *Pinus nigra*

(*Pinus balsamea* L.) = *Abies balsamea*

**\*!*Pinus banksiana* Lamb.**

{*Pinus brutia* auct. non Ten.} = *Pinus pityusa* var. *stankewiczii*

(*Pinus brutia* Ten. subsp. *stankewiczii* (Sukacz.) Nahal) = *Pinus pityusa* var. *stankewiczii*

(*Pinus brutia* Ten. var. *pityusa* (Steven) Silba) = *Pinus pityusa*

(*Pinus canadensis* L.) = *Tsuga canadensis*

***Pinus cembra* L.**

Conservation status: RDBU (3).

**\**Pinus coulteri* D.Don**

(*Pinus cretacea* Kalen.) = *Pinus sylvestris* var. *cretacea*

(*Pinus excelsa* Lam.) = *Picea abies*

(*Pinus fominii* Kondr.) = *Pinus sylvestris*

Note: *Pinus fominii* was regarded to be morphologically intermediate between *P. sylvestris* and *P. kochiana* (*P. sosnowskyi*).

**\*Pinus halepensis** Mill.

(Pinus hamata (Steven) Sosn. 1925, non Roetzl 1857) = Pinus kochiana

**Pinus kochiana** Klotzsch ex K. Koch

(Pinus larix L.) = Larix decidua

(Pinus montana Mill.) = Pinus mugo

**\*Pinus montezumae** Lamb.

(Pinus mughus Scop.) = Pinus mugo

**Pinus mugo** Turra

Note: Carpathian plants are reported to be represented by *P. mugo* subsp. *pumilio* (Haenke) Zenari.

**\*Pinus nigra** J.F. Arnold

[Pinus nigra J.F. Arnold subsp. *pallasiana* (D. Don) Holmboe] = Pinus pallasiana

**Pinus pallasiana** D. Don

**\*Pinus pinaster** Aitoh

**\*Pinus pinea** L.

**Pinus pityusa** Steven var. *stankewiczii* Sukacz.

Conservation status: RDBU (2), as *Pinus stankewiczii*; IUCN RL (V), as *Pinus brutia* var. *pityusa*.

**\*Pinus radiata** D. Don

**\*Pinus sabiniana** Dougl.

(Pinus sosnowskyi Nakai) = Pinus kochiana

[Pinus stankewiczii (Sukacz.) Fomin] = Pinus pityusa var. *stankewiczii*

**\*Pinus strobus** L.

Note: Many other exotic taxa of *Pinus* are cultivated in botanical gardens and parks.

**Pinus sylvestris** L.

**Pinus sylvestris** L. var. *cretacea* Kalen. ex Kom.

Conservation status: RDBU (2), as *Pinus cretacea*; IUCN RL (1).

(Pinus zerovii Kondr.) = Pinus sylvestris

**\*Pseudotsuga menziesii** (Mirbel) Franco

(Pseudotsuga taxifolia Lamb. 1803, non Salisb. 1796) = Pseudotsuga menziesii

**\*Tsuga canadensis** (L.) Carrière

## **FAMILY Taxaceae**

**Taxus baccata** L.

Conservation status: RDBU (3).

**\*Taxus canadensis** Marshall

**\*Taxus cuspidata** Siebold & Zucc. ex Endl.

## **FAMILY Taxodiaceae**

**\*Cryptomeria japonica** (L.f.) D.Don

**\*Metasequoia glyptostroboides** Hu & W.C.Cheng

**\*Sequoia sempervirens** (D.Don) Endl.

**\*Sequoiadendron giganteum** (Lindl.) Buchholz

**\*Taxodium distichum** (L.) Rich.

## **DIVISIO MAGNOLIOPHYTA**

### **CLASS LILIOPSIDA (= MONOCOTYLEDONAE)**

## **FAMILY Agavaceae**

**\*Yucca aloifolia** L.

**\*Yucca glauca** Nutt.

**\*Yucca gloriosa** L.

**\*Yucca smalliana** Fernald

## **FAMILY Alismataceae**

(*Alisma angustifolium* Opiz) = *Alisma gramineum*

(*Alisma arcuatum* Michxlet) = *Alisma gramineum*

(*Alisma damasonium* L.) = *Damasonium alisma*

***Alisma gramineum* Lej.**

(*Alisma graminifolium* Ehrh. ex Steud.) = *Alisma gramineum*

***Alisma lanceolatum* With.**

(*Alisma loeselii* Gorski) = *Alisma gramineum*

(*Alisma longifolium* J.Presl) = *Alisma lanceolatum*

(*Alisma parnassifolium* L.) = *Caldesia parnassifolia*

***Alisma plantago-aquatica* L.**

(*Alisma ranunculoides* Opiz) = *Alisma gramineum*

(*Alisma stenophyllum* (Asch. & Graebn.) Sam.) = *Alisma lanceolatum*

***Caldesia parnassifolia* (L.) Parl.**



**Damasonium alisma** Mill.

Conservation status: RDBU (1).

(*Sagittaria hastata* Pursh) = *Sagittaria latifolia*

**Sagittaria latifolia** Willd.

Note: An alien species collected in 1971 in Crimea (see N. Rubtsov, 1975, Bot. Zhurn. 60(3): 387).

(*Sagittaria natans* Pall.) = *Sagittaria sagittifolia*

**Sagittaria platyphylla** (Engelm.) J.G.Smith

Note: A rare alien species reported for the Danube delta (see D. Dubyna, 1982, Ukr. Bot. Zhurn. 39(1): 37-40).

**Sagittaria sagittifolia** L.

**Sagittaria trifolia** L.

Note: A rare alien species reported from S Ukraine (between Odessa and Kherson, rice fields).

(*Sagittaria sagittata* Thunb.) = *Sagittaria trifolia*

**FAMILY Alliaceae**

(*Allium acutangulum* Schrad.) = *Allium angulosum*

**Allium albidum** Fisch. ex M.Bieb.

Conservation status: RDBU (3).

**Allium albiflorum** Omelezuk

**Allium angulosum** L.

**\*Allium ascalonicum** L.

{*Allium atrovioleaceum* auct. non Boiss.} = *Allium firmotunicatum*

(*Allium auctum* Omelezuk) = *Allium cyrillii*

**Allium carinatum** L.

**\*Allium cepa** L.

(*Allium convallarioides* Grossh.) = *Allium myrianthum*

**Allium cyrillii** Ten.

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

**Allium erubescens** K.Koch

**Allium firmotunicatum** Fomin

**\*Allium fistulosum** L.

**Allium flavescens** Besser

**Allium guttatum** Steven

**Allium inaequale** Janka

**Allium jailae** Vved.

**Allium lineare** L.

Conservation status: RDBU (3).

[*Allium lusitanicum* Lam.] = *Allium senescens* subsp. *montanum*

***Allium marschallianum*** Vved. ~ *Allium saxatile* s.l.

(*Allium montanum* F.W.Schmidt 1794, non Schrank 1785) = *Allium senescens* subsp. *montanum*

***Allium moschatum*** L.

?***Allium myrianthum*** Boiss.

Note: Reported from Crimea: needs confirmation.

***Allium obliquum*** L.

Conservation status: RDBU (1).

?***Allium ochroleucum*** Waldst. & Kit.

Note: Reported for the Carpathians (Fodor, 1974).

***Allium oleraceum*** L.

***Allium paczoskianum*** Tuzs.

***Allium paniculatum*** L.

[*Allium paniculatum* L. subsp. *rupestre* (Steven) K.Richt.] = *Allium rupestre*

***Allium pervestitum*** Klokov

Conservation status: RDBU (1); IUCN RL (R).

***Allium podolicum*** (Asch. & Graebn.) Blocki ex Racib. = *Allium paniculatum* s.l.

\****Allium porrum*** L.

***Allium praescissum*** Rchb. = *Allium paniculatum* s.l.

\****Allium* × *proliferum*** (Moench) Schrad. ex Willd. = *Allium cepa* × *Allium fistulosum*

***Allium pseudopulchellum*** Omelezuk

{*Allium pulchellum* auct. non G.Don f.} = *Allium paczoskianum*

***Allium regelianum*** A.Becker ex Iljin

Conservation status: RDBU (3); IUCN RL (R); ERL (R).

***Allium rotundum*** L.

[*Allium rotundum* L. subsp. *waldsteinii* (G.Don f.) K.Richt.] = *Allium waldsteinii*

***Allium rupestre*** Steven

\****Allium sativum*** L.

***Allium savranicum*** Besser ~ *Allium saxatile* s.l.

{*Allium saxatile* auct. non M.Bieb.} = *Allium marschallianum* & *Allium savranicum*

***Allium schoenoprasum*** L.

***Allium scorodoprasum*** L.

[*Allium scorodoprasum* L. subsp. *jailae* (Vved.) Stearn] = *Allium jailae*

[*Allium scorodoprasum* L. subsp. *rotundum* (L.) Stearn] = *Allium rotundum*

[*Allium scorodoprasum* L. subsp. *waldsteinii* (G.Don f.) Stearn] = *Allium waldsteinii*

***Allium scythicum*** Zoz

Conservation status: RDBU (1); ERL (R).

***Allium senescens*** L. subsp. *montanum* (Fr.) Holub

{*Allium sibiricum* auct. non L.} = *Allium schoenoprasum*

***Allium sphaerocephalon*** L.

**Allium sphaeropodium** Klokov

Conservation status: RDBU (1).

**Allium strictum** Schrad.

Conservation status: RDBU (1).

(*Allium tauricum* (Besser ex Rechb.) Grossh.) = *Allium paczoskianum*

(*Allium ucrainicum* (Kleopow & Oxner) Bordz.) = *Allium ursinum*

**Allium ursinum** L.

Conservation status: RDBU (2).

(*Allium ursinum* L. subsp. *ucrainicum* Kleopow & Oxner) = *Allium ursinum*

**Allium victorialis** L.

**Allium vineale** L.

(*Allium volhynicum* Besser) = *Allium strictum*

**Allium waldsteinii** G. Don f.

**Nectaroscordum bulgaricum** Janka

Conservation status: RDBU (2), as *Nectaroscordum meliophilum*; IUCN RL, as

*Nectaroscordum dioscoridis* s.l. (category I) and *Nectaroscordum meliophilum*  
(category R); ERL (I), as *Nectaroscordum meliophilum*.

{*Nectaroscordum dioscoridis* auct. non (Smith) Stank.} = *Nectaroscordum bulgaricum*

(*Nectaroscordum meliophilum* Juz.) = *Nectaroscordum bulgaricum*

{*Nectaroscordum siculum* auct. non (Ueria) Lindl.} = *Nectaroscordum bulgaricum*

[*Nectaroscordum siculum* (Ueria) Lindl. subsp. *bulgaricum* (Janka) Stearn] =

*Nectaroscordum bulgaricum*

**FAMILY Amaryllidaceae**

**Galanthus elwesii** Hook.f.

Conservation status: RDBU (3); IUCN RL (I).

Note: In Ukraine represented mostly (or exclusively ?) by var. *maximus* (see below).

**Galanthus elwesii** Hook.f. var. **maximus** (Velen.) G.Beck

(*Galanthus graecus* Orph. ex Boiss. var. *maximus* (Velen.) Hayek) = *Galanthus elwesii*  
var. *maximus*

(*Galanthus latifolius* Salisb.) = *Galanthus plicatus*

(*Galanthus maximus* Velen.) = *Galanthus elwesii* var. *maximus*

**Galanthus nivalis** L.

Conservation status: RDBU (2).

**Galanthus plicatus** M.Bieb.

Conservation status: RDBU (2); ERL (V).

**Leucojum aestivum** L.

Conservation status: RDBU (2).

**Leucojum vernal L.**

Conservation status: RDBU (2).

**Leucojum vernal L. subsp. carpathicum (Spring) O.Schwarz**

Note: Reported for the Carpathians by L. Tasenkevich (1995).

**Narcissus angustifolius Curtis**

Conservation status: RDBU (1).

**\*Narcissus jonquilla L.**

**\*Narcissus odoratus L.**

**\*Narcissus poeticus L.**

[Narcissus poeticus L. subsp. angustifolius (Curtis) Asch. & Graebn.] = Narcissus angustifolius

**\*Narcissus pseudonarcissus L.**

**\*Narcissus tazetta L.**

**Sternbergia colchiciflora Waldst. & Kit.**

Conservation status: RDBU (2).

**FAMILY Araceae**

**Acorus calamus L.**

**Arum albispathum Steven ex Ledeb.**

Conservation status: RDBU (1).

**Arum alpinum Schott & Kotschy**

**Arum besserianum Schott**

**Arum elongatum Steven**

{Arum immaculatum auct.} = Arum besserianum

(Arum italicum Mill. subsp. albispathum (Steven ex Ledeb.) Prime) = Arum albispathum

{Arum maculatum auct. non L.} = Arum alpinum & Arum besserianum

(Arum maculatum L. subsp. alpinum (Schott & Kotschy) K.Richt.) = Arum alpinum

(Arum maculatum L. subsp. besserianum (Schott) Nyman) = Arum besserianum

**Arum orientale M.Bieb.**

Conservation status: RDBU (2).

(Arum orientale M.Bieb. subsp. alpinum (Schott & Kotschy) H.Riedl) = Arum alpinum

(Arum orientale M.Bieb. subsp. besserianum (Schott) Holub) = Arum besserianum

(Arum orientale M.Bieb. var. elongatum (Steven) Boiss.) = Arum elongatum

**Calla palustris L.**

**\*Pistia stratiotes L.**

Note: A common aquarium species. It was recently collected as escaped in ponds in Odessa and Kiev, but then disappeared.

## **FAMILY Arecaceae (= Palmae)**

(*Chamaerops fortunei* Hook.) = *Trachycarpus fortunei*

\**Chamaerops humilis* L.

\*!*Phoenix dactylifera* L.

Note: Young plants growing from seeds occasionally occur ephemerally in southern regions; usually they do not survive in winter.

{*Trachycarpus excelsa* auct. non (Thunb.) H. Wendl.} = *Trachycarpus fortunei*

\**Trachycarpus fortunei* (Hook.) H. Wendl.

## **FAMILY Asparagaceae**

Note: See also Ruscaceae.

{*Asparagus brachyphyllus* auct. non Turcz.} = *Asparagus pallasii*

(*Asparagus caspius* Schult. & Schult.f.) = *Asparagus officinalis*

(*Asparagus levinae* Klokov) = *Asparagus maritimus*

***Asparagus litoralis* Steven**

Conservation status: RDBU (2); ERL (1).

***Asparagus maritimus* (L.) Mill.**

***Asparagus officinalis* L.**

***Asparagus pallasii* Misch.**

Conservation status: RDBU (2), as *Asparagus brachyphyllus*.

***Asparagus polyphyllus* Steven**

(*Asparagus ponticus* Woronow) = *Asparagus pallasii*

***Asparagus pseudoscaber* Grecescu**

***Asparagus tenuifolius* Lam.**

***Asparagus verticillatus* L.**

## **FAMILY Asphodelaceae**

(*Anthericum calyculatum* L.) = *Tofieldia calyculata*

***Anthericum liliago* L.**

***Anthericum ramosum* L.**

***Asphodeline lutea* (L.) Rchb.**

Conservation status: RDBU (2).

**Asphodeline taurica** (Pall. ex M.Bieb.) Endl.

**Eremurus jungei** Juz.

Conservation status: ERL (R).

**Eremurus spectabilis** M.Bieb.

Conservation status: RDBU (3).

**Eremurus tauricus** Steven

Conservation status: RDBU (3); ERL (R).

**Eremurus thiodanthus** Juz. ~ *Eremurus spectabilis*

Conservation status: RDBU (3); ERL (R).

## **FAMILY Butomaceae**

**Butomus umbellatus** L.

## **FAMILY Cannaceae**

(*Canna coccinea* Mill.) = *Canna indica*

(*Canna edulis* Ker Gawl.) = *Canna indica*

\**Canna* × *generalis* Bailey

\**Canna indica* L.

\**Canna iridiflora* Ruiz & Pav.

## **FAMILY Commelinaceae**

**Commelina communis** L.

\*!*Tradescantia virginiana* L.

## **FAMILY Convallariaceae**

(*Convallaria bifolia* L.) = *Maianthemum bifolium*

**Convallaria majalis** L.

(*Convallaria latifolia* Mill.) = *Convallaria majalis*

**Maianthemum bifolium** (L.) F.W.Schmidt

**Polygonatum buschianum** Tzvelev

Note: Probably a hybrid between *P. odoratum* and *P. orientale*.

**Polygonatum hirtum** (Bocs ex Poir.) Pursh

(*Polygonatum latifolium* (Jacq.) Desf.) = *Polygonatum hirtum*

**Polygonatum multiflorum** (L.) All.

(*Polygonatum officinale* All.) = *Polygonatum odoratum*

***Polygonatum odoratum*** (Mill.) Druce

***Polygonatum orientale*** Desf.

(*Polygonatum polyanthemum* (M.Bieb.) Link) = *Polygonatum orientale*

***Polygonatum verticillatum*** (L.) All.

***Streptopus amplexifolius*** (L.) DC.

## **FAMILY Cyperaceae**

(*Acorellus pannonicus* (Jacq.) Palla) = *Juncellus pannonicus*

***Blysmus compressus*** (L.) Panz. ex Link

(*Bolboschoenus compactus* (Hoffm.) Drob.) = *Bolboschoenus maritimus* var. *compactus*

{*Bolboschoenus compactus* auct. non (Hoffm.) Drob., p.p.} = *Bolboschoenus koshevníkovii*

***Bolboschoenus koshevníkovii*** (Litv.) A.E.Kozhevnikov

(*Bolboschoenus macrostachys* (Willd.) Grossh.) = *Bolboschoenus maritimus* var.  
*macrostachys*

***Bolboschoenus maritimus*** (L.) Palla

***Bolboschoenus maritimus*** (L.) Palla var. *compactus* (Hoffm.) T.V.Egorova

***Bolboschoenus maritimus*** (L.) Palla var. *macrostachys* (Willd.) T.V.Egorova

{*Bolboschoenus planiculmis* auct. non (F.Schmidt) T.V.Egorova} = *Bolboschoenus*  
*koshevníkovii* & *Bolboschoenus maritimus* var. *compactus*

***Carex acuta*** L.

***Carex acutiformis*** Ehrh.

***Carex alba*** Scop.

(*Carex ampullacea* Gooden.) = *Carex rostrata*

***Carex appropinquata*** Schum.

(*Carex approximata* All.) = *Carex ericetorum*

(*Carex argyroglochin* Hornem.) = *Carex ovalis*

***Carex aterrima*** Hoppe ~ *Carex atrata*

***Carex atherodes*** Spreng.

***Carex atrata*** L.

[*Carex atrata* L. subsp. *aterrima* (Hoppe) C.Hartm.] = *Carex aterrima*

?***Carex atrofusca*** Schkuhr

Note: Reported for the Carpathians (Fodor, 1974); not confirmed later.

***Carex bicolor*** All.

***Carex bigelowii*** Torr. ex Schwein.

***Carex bohemica*** Schreb.

Conservation status: RDBU (2).

**Carex brevicollis** DC.  
**Carex brizoides** L.  
**Carex brunnescens** (Pers.) Poir.  
 Note: Reported from the Carpathians by I. Danylyk & al. (in press).  
**Carex buekii** Wimmer  
**Carex buxbaumii** Wahlenb.  
 Conservation status: RDBU (2).  
 [Carex buxbaumii Wahlenb. subsp. hartmanii (Cajand.) Domin] = Carex hartmanii  
 {Carex canescens auct. non L.} = Carex cinerea  
**Carex capillaris** L.  
**Carex caryophyllea** Latourr.  
**Carex cespitosa** L.  
 (Carex chlorostachys Steven) = Carex capillaris  
**Carex chordorrhiza** Ehrh.  
**Carex cinerea** Pollich  
 (Carex colchica J.Gay) = Carex ligerica  
 (Carex compacta Lam.) = Carex vulpina  
 {Carex compacta sensu V.Krecz., non Lam.} = Carex otrubae  
 (Carex contigua Hoppe) = Carex spicata  
 (Carex curta Gooden.) = Carex cinerea  
**Carex curvula** All.  
**Carex cuspidata** Host  
 (Carex cyperoides Murray) = Carex bohémica  
**Carex davalliana** Smith  
 Conservation status: RDBU (2).  
**Carex demissa** Hornem.  
 Note: Reported from the Carpathians by L. Hynda & I. Danylyk (1994, Ukr. Bot. Zhurn. 51(6): 134-137).  
**Carex depauperata** Curtis ex With.  
 {Carex depressa auct. non Link} = Carex transsilvanica  
 [Carex depressa Link subsp. transsilvanica (Schur) K.Richt.] = Carex transsilvanica  
**Carex diandra** Schrank  
**Carex digitata** L.  
**Carex diluta** M.Bieb.  
**Carex dioica** L.  
**Carex distans** L.  
**Carex disticha** Huds.  
**Carex divisa** Huds.  
**Carex divulsa** Stokes  
**Carex echinata** Murray  
**Carex elata** All.



[*Carex elata* All. subsp. *omskiana* (Meinsh.) Jalas] = *Carex omskiana*

***Carex elongata* L.**

***Carex ericetorum* Pollich**

***Carex extensa* Gooden.**

**?*Carex ferruginea* Scop.**

Note: Reported for the Carpathians (Fodor, 1974); probably misidentified.

**?*Carex firma* Host**

Note: Reported for the Carpathians (Fodor, 1974); needs confirmation.

***Carex flacca* Schreb.**

***Carex flava* L.**

(*Carex flava* L. subsp. *lepidocarpa* (Tausch) Godr.) = *Carex lepidocarpa*

(*Carex flavella* V.Krecz.) = *Carex flava*

***Carex fuliginosa* Schkuhr**

(*Carex fusca* All.) = *Carex nigra*

(*Carex glauca* Scop.) = *Carex flacca*

***Carex globularis* L.**

(*Carex goodenowii* J.Gay) = *Carex nigra*

(*Carex gracilis* Curtis) = *Carex acuta*

(*Carex graciliformis* V.Krecz. 1933, non Ohwi 1931) = *Carex acuta*

***Carex guestphalica* (Boenn. ex Rehb.) Boenn. ex O.Lang**

***Carex halleriana* Asso**

Note: In Ukraine occurs in Crimea only; records from the Carpathians need confirmation (I. Danylyk, personal communication).

***Carex hartmanii* Cajand.**

***Carex heleonastes* Ehrh.**

***Carex hirta* L.**

***Carex hordeistichos* Vill.**

***Carex hostiana* DC.**

{*Carex hudsonii* auct. non A.Benn.} = *Carex elata* s.l.

***Carex humilis* Leys.**

(*Carex hylaea* V.Krecz.) = *Carex cinerea*

(*Carex inflata* Huds.) = *Carex vesicaria*

{*Carex inflata* sensu V.Krecz., non Huds.} = *Carex rostrata*

***Carex* × *involuta* (Bab.) Syme** = *Carex rostrata* × *Carex vesicaria*

(*Carex irrigua* (Wahlenb.) Smith ex Hoppe) = *Carex paupercula*

***Carex juncella* (Fr.) Th.Fr.**

***Carex lachenalii* Schkuhr .**

(*Carex lagopina* Wahlenb.) = *Carex lachenalii*

***Carex lasiocarpa* Ehrh.**

(*Carex leersiana* Rauschert) = *Carex guestphalica*

***Carex lepidocarpa* Tausch.**

(*Carex leporina* L., nom. utique rej. prop.) = *Carex lachenalii*

{*Carex leporina* auct. non L.} = *Carex ovalis*

***Carex ligerica*** J.Gay

***Carex limosa*** L.

***Carex liparicarpos*** Gaudin

[*Carex liparicarpos* Gaudin subsp. *bordzilowskii* (V.Krecz.) T.V.Egorova] = *Carex schkuhrii*

***Carex loliacea*** L.

Note: Reported for the Carpathians by I. Danylyk (PhD thesis and personal communication).

(*Carex longifolia* Host) = *Carex umbrosa*

(*Carex lumnitzeri* Rouy) = *Carex spicata*

{*Carex magellanica* auct. non Lam.} = *Carex paupercula*

***Carex melanostachya*** M.Bieb. ex Willd.

***Carex michelii*** Host

***Carex montana*** L.

***Carex muricata*** L.

{*Carex muricata* sensu V.Krecz., non L.} = *Carex echinata*

***Carex nigra*** (L.) Reichard

(*Carex nitida* Host 1801, non Hoppe 1800) = *Carex liparicarpos*

(*Carex nutans* Host) = *Carex melanostachya*

***Carex obtusata*** Liljeb.

{*Carex oederi* auct. non Retz.} = *Carex viridula*

***Carex omskiana*** Meinsh.

***Carex ornithopoda*** Willd.

(*Carex orthostachys* C.A.Mey.) = *Carex atherodes*

***Carex otrubae*** Podp.

***Carex ovalis*** Gooden.

{*Carex pairaei* auct. non F.Schultz} = *Carex muricata*

(*Carex pairaei* F.Schultz subsp. *lumnitzeri* (Rouy) Soó) = *Carex spicata*

***Carex pallescens*** L.

(*Carex paludosa* Gooden.) = *Carex acutiformis*

***Carex panicea*** L.

***Carex paniculata*** L.

(*Carex paradoxa* Willd., non J.F.Gmel.) = *Carex appropinquata*

***Carex pauciflora*** Lightf.

Conservation status: RDBU (2).

?***Carex paupercula*** Michx.

Note: Records of this species from Ukraine probably refer to *C. limosa* (misidentified).

{*Carex pedata* auct. non L.} = *Carex ornithopoda*

***Carex pediformis*** C.A.Mey.

***Carex pendula*** Huds.

**Carex pilosa** Scop.

**Carex pilulifera** L.

(*Carex polyphylla* Kar. & Kir.) = *Carex guestphalica*

(*Carex polyrrhiza* Wallr.) = *Carex umbrosa*

**Carex praecox** Schreb.

(*Carex praecox* Jacq. 1778, non Schreb. 1771) = *Carex caryophyllea*

**Carex pseudocyperus** L.

**Carex remota** L.

**Carex rhizina** Blytt ex Lindbl.

**Carex riparia** Curtis

**Carex rostrata** Stokes

**Carex rupestris** All.

Conservation status: RDBU (1).

(*Carex ruthenica* V.Krecz.) = *Carex caryophyllea*

**Carex schkuhrii** Willd. ~ *Carex liparicarpos*

(*Carex schreberi* Schrank) = *Carex praecox*

**Carex secalina** Willd. ex Wahlenb.

**Carex sempervirens** Vill.

(*Carex serotina* Mérat) = *Carex viridula*

**Carex spicata** Huds.

(*Carex stellulata* Gooden.) = *Carex echinata*

**Carex stenophylla** Wahlenb.

(*Carex stolonifera* Hoppe) = *Carex nigra*

(*Carex stricta* Gooden.) = *Carex elata*

**Carex strigosa** Huds.

(*Carex subvulpina* Senay) = *Carex otrubae*

(*Carex sudetica* Opiz) = *Carex aterrima*

**Carex supina** Willd. ex Wahlenb.

**Carex sylvatica** Huds.

**Carex tomentosa** L.

**Carex transsilvanica** Schur

{*Carex tripartita* All., nom. utique rej. prop.} = *Carex lachenalii*

**Carex umbrosa** Host

Conservation status: RDBU (2).

**Carex vaginata** Tausch

(*Carex verna* Schaix, non Lam.) = *Carex caryophyllea*

**Carex vesicaria** L.

**Carex viridula** Michx.

(*Carex vulgaris* Fr.) = *Carex nigra*

**Carex vulpina** L.

?**Carex vulpinoidea** Michx.

Note: Reported from Transcarpathia (Fodor, 1974) as an introduced species; need confirmation.

(*Carex wiluica* Meinsh.) = *Carex juncella*

(*Chlorocyperus esculentus* (L.) Hayek) = *Cyperus esculentus*

(*Chlorocyperus glomeratus* (L.) Palla) = *Cyperus glomeratus*

(*Chlorocyperus longus* (L.) Palla) = *Cyperus longus*

(*Cladium grossheimii* Pobed.) = *Cladium martii*

**Cladium mariscus** (L.) Pohl

Conservation status: RDBU (1), including *Cladium martii*.

[*Cladium mariscus* (L.) Pohl subsp. *martii* (Roem. & Schult.) T.V.Egorova] = *Cladium martii*

**Cladium martii** (Roem. & Schult.) K.Richt.

?*Cyperus badius* Desf.

Note: Doubtful records from Crimea, Nikita Botanical Garden (misidentified ?); now probably extinct.

*Cyperus difformis* L.

\**Cyperus esculentus* L.

[*Cyperus flavescens* L.] = *Pycnus flavescens*

*Cyperus fuscus* L.

*Cyperus glaber* L.

*Cyperus glomeratus* L.

*Cyperus longus* L.

[*Cyperus longus* L. subsp. *badius* (Desf.) Murb.] = *Cyperus badius*

*Cyperus michelianus* (L.) Link

[*Cyperus pannonicus* Jacq.] = *Juncellus pannonicus*

[*Cyperus serotinus* Rottb.] = *Juncellus serotinus*

(*Dichostylis hamulosa* (M.Bieb.) Nees, nom. illeg.) = *Mariscus hamulosus*

(*Dichostylis micheliana* (L.) Nees, nom. illeg.) = *Cyperus michelianus*

(*Duvaljouvea serotina* (Rottb.) Palla) = *Juncellus serotinus*

**Eleocharis acicularis** (L.) Roem. & Schult.

(*Eleocharis argyrolepidoides* Zinserl.) = *Eleocharis mitracarpa*

**Eleocharis austriaca** Hayek

(*Eleocharis carinata* Sakalo) = *Eleocharis uniglumis*

**Eleocharis carniolica** W.D.J.Koch

(*Eleocharis crassa* Fisch. & C.A.Mey. ex Zinserl.) = *Eleocharis palustris*

(*Eleocharis czernjajevii* Zoz) = *Eleocharis quinqueflora*

(*Eleocharis eupalustris* Lindb.f.) = *Eleocharis palustris*

(*Eleocharis euuniglumis* Zinserl.) = *Eleocharis uniglumis*

(*Eleocharis intersita* Zinserl.) = *Eleocharis palustris*  
***Eleocharis klingei*** (Meinsh.) B.Fedtsch.  
 (*Eleocharis korshinskyana* Zinserl.) = *Eleocharis klingei*  
 (*Eleocharis leviniae* Zoz) = *Eleocharis palustris*  
 (*Eleocharis macrocarpa* Zoz) = *Eleocharis uniglumis*  
 {*Eleocharis mamillata* auct. non Lindb.f.} = *Eleocharis palustris*  
 [*Eleocharis mamillata* Lindb.f. subsp. *austriaca* (Hayek) Strandhede] = *Eleocharis austriaca*  
***Eleocharis mitracarpa*** Steud.  
***Eleocharis multicaulis*** (Smith) Desv.  
***Eleocharis ovata*** (Roth) Roem. & Schult.  
***Eleocharis oxylepis*** (Meinsh.) B.Fedtsch.  
 (*Eleocharis oxystachys* Sakalo) = *Eleocharis palustris*  
***Eleocharis palustris*** (L.) Roem. & Schult.  
***Eleocharis parvula*** (Roem. & Schult.) Bluff, Nees & Schauer  
 (*Eleocharis parvula* (Roem. & Schult.) Bluff, Nees & Schauer subsp. *oppermannii* Zoz) =  
     *Eleocharis parvula*  
 (*Eleocharis pauciflora* (Lightf.) Link) = *Eleocharis quinqueflora*  
***Eleocharis quinqueflora*** (F.Hartmann) O.Schwarz  
 (*Eleocharis scythica* Zinserl.) = *Eleocharis klingei*  
***Eleocharis uniglumis*** (Link) Schult.  
 (*Eleocharis zinserlingii* Zoz) = *Eleocharis uniglumis*

***Eriophorum angustifolium*** Honck.  
***Eriophorum gracile*** W.D.J.Koch  
***Eriophorum latifolium*** Hoppe  
 (*Eriophorum polystachyon* L., nom. ambig., nom. utique rej. prop.) = *Eriophorum angustifolium*

**?*Eriophorum scheuchzeri*** Hoppe

Note: According to I. Danylyk (personal communication), this species is probably absent in Ukraine; previous records are mainly misidentifications.

***Eriophorum vaginatum*** L.

***Fimbristylis bisumbellata*** (Forssk.) Bub.  
 {*Fimbristylis dichotoma* auct. non (L.) Vahl} = *Fimbristylis bisumbellata*

(*Heleocharis*) = *Eleocharis*

(*Holoschoenus romanus* (L.) Link) = *Scirpoides holoschoenus*  
 (*Holoschoenus vulgaris* Link) = *Scirpoides holoschoenus*

***Juncellus pannonicus*** (Jacq.) Clarke

***Juncellus serotinus*** (Rottb.) Clarke

**Mariscus hamulosus** (M.Bieb.) Hooper

**Pycnus flavescens** (L.) P.Beauv. ex Rchb.

**Rhynchospora alba** (L.) Vahl

?**Rhynchospora fusca** (L.) W.T.Aiton

Conservation status: RDBU (1).

Note: Ukrainian records need confirmation.

{*Schoenoplectus americanus* auct. non (Pers.) Volkart} = *Scirpus pungens*

[*Schoenoplectus grossheimii* (Pobed.) Czerep.] = *Scirpus hippolytii*

[*Schoenoplectus hippolytii* (V.Krecz.) V.Krecz.] = *Scirpus hippolytii*

[*Schoenoplectus lacustris* (L.) Palla] = *Scirpus lacustris*

[*Schoenoplectus lacustris* (L.) Palla subsp. *tabernaemontani* (C.C.Gmel.) A.Löve & D.Löve] =

*Scirpus tabernaemontani*

[*Schoenoplectus litoralis* (Schrad.) Palla] = *Scirpus litoralis*

[*Schoenoplectus melanospermus* (C.A.Mey.) Grossh.] = *Scirpus melanospermus*

[*Schoenoplectus mucronatus* (L.) Palla] = *Scirpus mucronatus*

[*Schoenoplectus pungens* (Pers.) Palla] = *Scirpus pungens*

[*Schoenoplectus setaceus* (L.) Palla] = *Scirpus setaceus*

[*Schoenoplectus supinus* (L.) Palla] = *Scirpus supinus*

[*Schoenoplectus tabernaemontani* (C.C.Gmel.) Palla] = *Scirpus tabernaemontani*

[*Schoenoplectus triqueter* (L.) Palla] = *Scirpus triqueter*

(*Schoenus albus* L.) = *Rhynchospora alba*

**Schoenus ferrugineus** L.

Conservation status: RDBU (2).

**Schoenus nigricans** L.

**Scirpoides holoschoenus** (L.) Soják

**Scirpoides holoschoenus** (L.) Soják subsp. **australis** (L.) Soják

(*Scirpoides romana* (L.) Séguier) = *Scirpoides holoschoenus*

{*Scirpus americanus* auct. non Pers.} = *Scirpus pungens*

(*Scirpus australis* L.) = *Scirpoides holoschoenus* subsp. *australis*

(*Scirpus compactus* Hoffm.) = *Bolboschoenus maritimus* var. *compactus*

(*Scirpus grossheimii* Pobed.) = *Scirpus hippolytii*

**Scirpus hippolytii** V.Krecz.

[*Scirpus holoschoenus* L.] = *Scirpoides holoschoenus*

[*Scirpus koshevníkovii* Litv.] = *Bolboschoenus koshevníkovii*

**Scirpus lacustris** L.

[*Scirpus lacustris* L. subsp. *tabernaemontani* (C.C.Gmel.) Syme] = *Scirpus tabernaemontani*

***Scirpus litoralis* Schrad.**

(*Scirpus macrostachys* Willd.) = *Bolboschoenus maritimus* var. *macrostachys*

[*Scirpus maritimus* L.] = *Bolboschoenus maritimus*

***Scirpus melanospermus* C.A.Mey.**

(*Scirpus michelianus* L.) = *Cyperus michelianus*

***Scirpus mucronatus* L.**

***Scirpus pungens* Vahl**

Note: Reported from Transcarpathia (Fodor, 1974), as *Scirpus americanus*; needs confirmation.

***Scirpus radicans* Schkuhr.**

(*Scirpus romanus* L.) = *Scirpoides holoschoenus*

***Scirpus setaceus* L.**

***Scirpus supinus* L.**

***Scirpus sylvaticus* L.**

***Scirpus tabernaemontani* C.C.Gmel.**

***Scirpus triqueter* L.**

(*Torulinium caucasicum* Palla) = *Torulinium odoratum* s.l.

(*Torulinium ferax* (Rich.) Desv. ex Hamilton) = *Torulinium odoratum*

(*Torulinium ferax* (Rich.) Desv. ex Hamilton subsp. *caucasicum* (Palla) Hadač) = *Torulinium odoratum* s.l.

***Torulinium odoratum* (L.) Hooper s.l.**

Note: Alien plants reported from Ukraine (see D. Dubyna & V. Protopopova, 1984, Ukr. Bot. Zhurn. 41(5): 21-25) probably belong to *T. caucasicum* s.str.; however, its taxonomic status remains uncertain.

## **FAMILY Dioscoreaceae (= Tamaceae)**

***Tamus communis* L.**

## **FAMILY Hemerocallidaceae**

(*Hemerocallis flava* (L.) L.) = *Hemerocallis lilioasphodelus*

**\**Hemerocallis fulva* (L.) L.**

**\**Hemerocallis lilioasphodelus* L.**

**\**Hemerocallis minor* Mill.**

## **FAMILY Hostaceae**

(*Funkia*) = *Hosta*

- \***Hosta albomarginata** (Hook.) Ohwi  
(*Hosta japonica* (Thunb.) Asch. 1863, non Tratt. 1812) = *Hosta albomarginata*  
(*Hosta japonica* Tratt.) = *Hosta plantaginea*  
(*Hosta lancifolia* (Thunb.) Engl., nom. illeg.) = *Hosta albomarginata*
- \***Hosta plantaginea** (Lam.) Asch.
- \***Hosta sieboldiana** Engl.
- \***Hosta ventricosa** Stearn

## **FAMILY Hyacinthaceae**

- Bellevalia lipskyi** (Miscz.) E. Wulff  
Conservation status: IUCN RL (R); ERL (E).
- Bellevalia sarmatica** (Pall. ex Georgi) Woronow

- Hyacinthella leucophaea** (K. Koch) Schur
- Hyacinthella pallasiana** (Steven) Losinsk.  
Conservation status: IUCN RL (I).

- \***Hyacinthus orientalis** L.

- Leopoldia comosa** (L.) Parl.
- Leopoldia tenuiflora** (Tausch) Heldr.  
(*Leopoldia tubiflora* (Steven) Juz.) = *Leopoldia comosa*

- Muscari botryoides** (L.) Mill.  
[*Muscari botryoides* (L.) Mill. subsp. *transsilvanicum* (Schur) Soó] = *Muscari transsilvanicum*  
(*Muscari carpaticum* Racib.) = *Muscari botryoides*  
[*Muscari comosum* (L.) Mill.] = *Leopoldia comosa*  
(*Muscari dolioliforme* Sobko) = *Muscari neglectum*
- Muscari neglectum** Guss. ex Ten.  
(*Muscari pocuticum* Zapal.) = *Muscari botryoides*  
(*Muscari racemosum* (L.) Lam. ex DC. 1805, nom. ambig.; non Mill. 1768) = *Muscari neglectum*  
[*Muscari tenuiflorum* Tausch] = *Leopoldia tenuiflora*
- Muscari transsilvanicum** Schur ~ *Muscari botryoides*

- Ornithogalum amphibolum** Zahar.  
Conservation status: RDBU (3); ERL (I).

- ?**Ornithogalum arquatatum** Steven  
Note: Records of this species from Crimea need confirmation.



**Ornithogalum boucheanum** (Kunth) Asch.

Conservation status: RDBU (3).

**Ornithogalum divergens** Boreau ~ **Ornithogalum umbellatum**

Note: Reported for Transcarpathia (G. Mezev-Kricsfalusy & V. Kricsfalusy, 1994, Naukov. Visnyk Uzhgorod. Univ., Ser. Biol. 1: 28-32). Probably conspecific with *O. umbellatum*.

**Ornithogalum fimbriatum** Willd.

**Ornithogalum fischerianum** Krasch.

**Ornithogalum flavescens** Lam.

{*Ornithogalum gussonei* auct. non Ten.} = *Ornithogalum kochii*

[*Ornithogalum gussonei* Ten. subsp. *kochii* (Parl.) Holub] = *Ornithogalum kochii*

**Ornithogalum kochii** Parl.

**Ornithogalum melancholicum** Klokov ex A.Krasnova ~ *Ornithogalum flavescens*

Conservation status: \*ERL (R).

**Ornithogalum oreoides** Zahar.

Conservation status: RDBU (2); IUCN RL (R).

(*Ornithogalum orthophyllum* Ten. subsp. *kochii* (Parl.) Zahar.) = *Ornithogalum kochii*

**Ornithogalum ponticum** Zahar.

{*Ornithogalum pyrenaicum* auct. non L.} = *Ornithogalum ponticum*

**Ornithogalum refractum** Schlecht.

Conservation status: RDBU (2).

(*Ornithogalum tenuifolium* Guss.) = *Ornithogalum kochii*

**Ornithogalum umbellatum** L.

[*Ornithogalum umbellatum* L. subsp. *divergens* (Boreau) A.Löve & D.Löve] =

*Ornithogalum divergens*

**Ornithogalum woronowii** Krasch.

(*Orthocallis siberica* (Haw.) Speta) = *Scilla siberica*

**Scilla autumnalis** L.

**Scilla bifolia** L.

Note: Several microspecies were recognized within the *S. bifolia* group (*S. kladnii* Schur, *S. laxa* Schur, etc.). Their taxonomy is still insufficiently known (see V. Krichfalusy & al. 1993, Ukr. Botan. Zhurn. 50(4): 47-55).

(*Scilla cernua* Delar.) = *Scilla siberica*

**Scilla kladnii** Schur ~ *Scilla bifolia* s.l.

{*Scilla nivalis* auct. non Boiss.} = *Scilla bifolia*

(*Scilla scythica* Kleopow) = *Scilla autumnalis*

**Scilla siberica** Haw.

(*Scilla sibirica* Haw., ortho) = *Scilla siberica*

(*Scilla taurica* (Regel) Fuss) = *Scilla bifolia*

## **FAMILY Hydrocharitaceae**

(*Anacharis canadensis* (Michx.) Planch.) = *Elodea canadensis*

[*Egeria densa* Planch.] = *Elodea densa*

***Elodea canadensis* Michx.**

?***Elodea densa* (Planch.) Caspari**

Note: *Elodea densa* can be expected in Ukraine. No reliable records are available yet.

***Hydrocharis morsus-ranae* L.**

***Stratiotes aloides* L.**

***Vallisneria spiralis* L.**

## **FAMILY Iridaceae**

(*Crocus albiflorus* Kit.) = *Crocus vernus*

***Crocus angustifolius* Weston**

Conservation status: RDBU (2); IUCN RL (1).

(*Crocus aureus* Sibth. & Smith) = *Crocus flavus*

(*Crocus autumnalis* Pall. ex M.Bieb. 1808, non Poir. 1804) = *Crocus pallasii*

***Crocus banaticus* J.Gay**

Conservation status: RDBU (2).

{*Crocus biflorus* auct. non Mill.} = *Crocus tauricus*

\****Crocus chrysanthus* (Herb.) Herb.**

\*!***Crocus flavus* Weston**

Note: The record from Simferopol, Crimea is probably based on cultivated and escaped plants.

***Crocus heuffelianus* Herb.**

Conservation status: RDBU (2).

(*Crocus iridiflorus* Heuff.) = *Crocus banaticus*

***Crocus pallasii* Goldb.**

Conservation status: RDBU (3).

***Crocus reticulatus* Steven ex Adams**

Conservation status: RDBU (3).

\****Crocus sativus* L.**

***Crocus speciosus* M.Bieb.**

Conservation status: RDBU (2).

(*Crocus susianus* Ker Gawl.) = *Crocus angustifolius*

**Crocus tauricus** (Trautv.) Puring

Conservation status: RDBU (3).

(*Crocus variegatus* Hoppe & Hornsch.) = *Crocus reticulatus*

**Crocus vernus** (L.) Hill

Conservation status: RDBU (2). Widely cultivated; in Transcarpathia occurs as a native species.

(*Gladiolus apterus* Klokov) = *Gladiolus tenuis*

**\*Gladiolus communis** L.

**\*Gladiolus hybridus** hort.

Note: Cultivated forms are usually complex hybrids of *G. communis* L., *G. cardinalis* Curtis, *G. tristis* L., etc.

**Gladiolus imbricatus** L.

**Gladiolus italicus** Mill.

Conservation status: RDBU (2).

**Gladiolus palustris** Gaudin

Conservation status: RDBU (1); IUCN RL (I).

(*Gladiolus segetum* Ker Gawl.) = *Gladiolus italicus*

**Gladiolus tenuis** M.Bieb.

Conservation status: RDBU (2).

(*Iris aequiloba* Ledeb.) = *Iris pumila*

**Iris aphylla** L.

[*Iris aphylla* L. subsp. *hungarica* (Waldst. & Kit.) Hegi] = *Iris hungarica*

[*Iris arenaria* Waldst. & Kit. subsp. *orientalis* (Ugr.) Lavrenko] = *Iris pineticola*

**Iris brandzae** Prodán

**\*Iris florentina** L.

**Iris germanica** L.

Note: Widely cultivated; in Transcarpathia (near Vinogradov) reported as a native species.

**Iris graminea** L.

[*Iris graminea* L. subsp. *pseudocyperus* (Schur) Soó] = *Iris pseudocyperus*

**Iris halophila** Pall.

(*Iris humilis* M.Bieb. 1808, non Georgi 1775) = *Iris pontica*

**Iris hungarica** Waldst. & Kit.

(*Iris marschalliana* Bobrov) = *Iris pontica*

**\*Iris musulmanica** Fomin

Note: Reported as escaped in Crimea.

**\*Iris pallida** Lam.

**Iris pineticola** Klokov

Conservation status: RDBU (2).

(*Iris polonica* (Asch. & Graebn.) Fomin & Bordz.) = *Iris aphylla*

**Iris pontica** Zapal.

Conservation status: RDBU (2).

***Iris pseudacorus* L.**

***Iris pseudocyperus* Schur**

Conservation status: RDBU (2).

***Iris pumila* L.**

***Iris sibirica* L.**

[*Iris sintenisii* Janka subsp. *brandzae* (Prodán) Prodán] = *Iris brandzae*

(*Iris taurica* Lodd.) = *Iris pumila*

***Iris variegata* L.**

{*Sisyrinchium angustifolium* auct. non Mill.} = *Sisyrinchium septentrionale*

{*Sisyrinchium bermudiana* auct. non L.} = *Sisyrinchium septentrionale*

{*Sisyrinchium montanum* auct. non Greene} = *Sisyrinchium septentrionale*

***Sisyrinchium septentrionale* Bicknell** ~ *Sisyrinchium bermudiana* aggr.

## **FAMILY Juncaceae**

***Juncus acutiflorus* Ehrh. ex Hoffm.**

(*Juncus acutiflorus* Griseb., non Ehrh. ex Hoffm.) = *Juncus atratus*

***Juncus alpinoarticulatus* Chaix ex Vill.**

Note: Nomenclature of this species is much confused; several other names were widely (mis-) applied to the taxon in the past.

(*Juncus alpinus* Vill., nom. illeg.) = *Juncus alpinoarticulatus*

***Juncus ambiguus* Guss.** ~ *Juncus bufonius* aggr.

***Juncus articulatus* L.**

***Juncus atratus* Krock.**

***Juncus bufonius* L.**

[*Juncus bufonius* L. subsp. *nastanthus* (V.Krecz. & Gontsch.) Soó] = *Juncus nastanthus*

***Juncus bulbosus* L.**

Conservation status: RDBU (3).

***Juncus capitatus* Weigel**

***Juncus castaneus* Smith**

***Juncus compressus* Jacq.**

***Juncus conglomeratus* L.**

***Juncus effusus* L.**

(*Juncus ericetorum* Pollich) = *Juncus capitatus*

***Juncus filiformis* L.**

***Juncus fominii* Zoz** ~ *Juncus soranthus*

Conservation status: ERL (1).

(*Juncus fuscoater* Schreb.) = *Juncus alpinoarticulatus*

(*Juncus geniculatus* Schrank) = *Juncus articulatus*

{*Juncus geniculatus* auct. non Schrank} = *Juncus alpinoarticulatus*

**Juncus gerardii** Loisel.

[*Juncus gerardii* Loisel. subsp. *soranthus* (Schrenk) K.Richt.] = *Juncus soranthus*  
(*Juncus glaucus* Ehrh.) = *Juncus inflexus*  
(*Juncus gracilis* Roth) = *Juncus capitatus*

**Juncus inflexus** L.

(*Juncus juzepeczukii* V.Krecz. & Gontsch.) = *Juncus ambiguus*  
(*Juncus lamprocarpus* Ehrh. ex Hoffm.) = *Juncus articulatus*  
(*Juncus leersii* Marss.) = *Juncus conglomeratus*  
[*Juncus littoralis* C.A.Mey. subsp. *tyraicus* (Pacz.) V.Novikov] = *Juncus tyraicus*  
(*Juncus macer* S.F.Gray) = *Juncus tenuis*  
(*Juncus macrocephalus* Viv.) = *Juncus articulatus*

**Juncus maritimus** Lam.

**Juncus nastanthus** V.Krecz. & Gontsch. ~ *Juncus bufonius* aggr.

(*Juncus obtusatus* Kit.) = *Juncus subnodulosus*  
(*Juncus obtusiflorus* Ehrh. ex Hoffm.) = *Juncus subnodulosus*  
(*Juncus obtusiflorus* Moench, nom. illeg.) = *Juncus articulatus*  
(*Juncus paniculatus* Hoppe ex Mert. & W.D.J.Koch) = *Juncus inflexus*  
(*Juncus ranarius* Songeon & Perrier ex Billot) = *Juncus ambiguus*  
(*Juncus serotinus* Schur) = *Juncus atratus*

**Juncus soranthus** Schrenk

**Juncus sphaerocarpus** Nees

**Juncus squarrosus** L.

(*Juncus subcompressus* Zakirov & Novopokr.) = *Juncus compressus*

**Juncus subnodulosus** Schrank

Conservation status: RDBU (2).

(*Juncus supinus* Moench) = *Juncus bulbosus*

**Juncus tenageia** Ehrh. ex L.f.

**Juncus tenuis** Willd.

**Juncus thomasi** Ten.

**Juncus trifidus** L.

**Juncus triglumis** L.

**Juncus tyraicus** (Pacz.) V.Krecz. & Gontsch. ~ *Juncus littoralis*

(*Juncus uliginosus* Roth) = *Juncus bulbosus*

**Luzula alpinopilosa** (Chaix) Breistr.

**Luzula campestris** (L.) DC.

(*Luzula campestris* (L.) DC. subsp. *taurica* V.Krecz.) = *Luzula taurica*

**Luzula divulgata** Kirschner ~ *Luzula multiflora*

(*Luzula flavescens* (Host) Gaudin) = *Luzula luzulina*

**Luzula forsteri** (Smith) DC.

**Luzula luzulina** (Vill.) Dalla Torre & Sarnth.

**Luzula luzuloides** (Lam.) Dandy & Wilmott

**Luzula multiflora** (Ehrh.) Lej.

[*Luzula multiflora* (Ehrh.) Lej. subsp. *taurica* (V.Krecz.) V.Novikov] = *Luzula taurica*  
(*Luzula nemorosa* (Pollich) E.Mey. 1848, non Hornem. 1815) = *Luzula luzuloides*

(*Luzula pallescens* Sw. s.str.) = *Luzula multiflora*

{*Luzula pallescens* auct. non Sw.} = *Luzula pallidula*

**Luzula pallidula** Kirschner

**Luzula pilosa** (L.) Willd.

(*Luzula spadicea* (All.) DC.) = *Luzula alpinoilosa*

**Luzula spicata** (L.) DC.

Note: The Carpathian plants belong mostly to subsp. *mutabilis* (see below).

**Luzula spicata** (L.) DC. subsp. *mutabilis* Chrtek & Křisa

(*Luzula subpilosa* (Gilib.) V.Krecz., nom. illeg.) = *Luzula campestris*

**Luzula sudetica** (Willd.) Schult. ~ *Luzula multiflora*

**Luzula sylvatica** (Huds.) Gaudin

**Luzula taurica** (V.Krecz.) V.Novikov ~ *Luzula multiflora*

## **FAMILY Juncaginaceae**

**Triglochin maritimum** L.

**Triglochin palustre** L.

(*Triglochin salinum* Wallr.) = *Triglochin maritimum*

## **FAMILY Lemnaceae**

(*Lemna arrhiza* L.) = *Wolffia arrhiza*

**Lemna gibba** L.

(*Lemna minima* Phil. ex Hegelm. 1895, non Thuill. ex Beauv. 1816) = *Lemna minima*

**Lemna minor** L.

(*Lemna minuscula* Herter) = *Lemna minima*

**Lemna minuta** Kunth

Note: Reported from SE Ukraine (D. Dubyna & V. Protopopova, 1983, Ukr. Bot.

Zhurn. 40(5): 28-31), as *L. minuscula*.

(*Lemna polyrrhiza* L.) = *Spirodela polyrrhiza*

**Lemna trisulca** L.

**Spirodela polyrrhiza** (L.) Schleid.

(*Telmatophace gibba* (L.) Schleid.) = *Lemna gibba*

**Wolffia arrhiza** (L.) Horkel ex Wimmer

## **FAMILY Liliaceae**

Note: See also families Asparagaceae (genus Asparagus), Asphodelaceae (Anthericum, Asphodeline, Eremurus), Convallariaceae (Convallaria, Maianthemum, Polygonatum, Streptopus), Hemerocallidaceae (Hemerocallis), Hostaceae (Hosta), Hyacinthaceae (Bellevia, Hyacinthella, Hyacinthus, Leopoldia, Muscari, Ornithogalum, Scilla), Melanthiaceae (Bulbocodium, Colchicum, Tofieldia, Veratrum), Ruscaceae (Ruscus), Trilliaceae (Paris).

### **Erythronium dens-canis L.**

Conservation status: RDBU (1).

### **\*Fritillaria imperialis L.**

#### **Fritillaria meleagris L.**

Conservation status: RDBU (3).

#### **Fritillaria meleagroides Patrin ex Schult. & Schult.f.**

Conservation status: RDBU (3).

#### **Fritillaria montana Hoppe**

Conservation status: RDBU (1).

#### **Fritillaria ruthenica Wikstr.**

Conservation status: RDBU (2).

{Fritillaria verticillata auct. non Willd.} = Fritillaria ruthenica

### **Gagea aipetriensis Levichev**

Note: See I. Levichev (1988, Bot. Zhurn. 83(2): 110-112).

#### **Gagea artemczukii A.Krasnova**

(Gagea arvensis (Pers.) Dumort.) = Gagea villosa

#### **Gagea bohemica (Zauschn.) Schult. & Schult.f.**

#### **Gagea bulbifera (Pall.) Salisb.**

#### **Gagea callieri Pascher**

Conservation status: ERL (1).

#### **Gagea chrysantha (Jan) Schult. & Schult.f.**

#### **Gagea dubia Terr.**

#### **Gagea erubescens (Besser) Schult. & Schult.f.**

#### **Gagea fistulosa Ker Gawl.**

#### **Gagea germaniae Grossh.**

#### **Gagea granatellii (Parl.) Parl.**

#### **?Gagea granulosa Turcz.**

Note: Reported from Mykolayiv and Dnepropetrovsk regions (see V. Sobko, 1974, Ukr. Bot. Zhurn. 31(1): 113-117); needs confirmation.

(Gagea heldreichii (Terr.) Lojac.) = Gagea chrysantha

**Gagea hypanica** Sobko  
 (Gagea littoralis Artemcz.) = Gagea dubia  
**Gagea lutea** (L.) Ker Gawl.  
**Gagea maeotica** Artemcz.  
**Gagea minima** (L.) Ker Gawl.  
**Gagea novoascanica** Klokov  
**Gagea paczoskii** (Zapal.) Grossh. ~ Gagea transversalis  
**Gagea pineticola** Klokov  
 Conservation status: ERL (R).  
**Gagea podolica** Schult. & Schult.f.  
**Gagea praeciosa** Klokov  
 Conservation status: ERL (I).  
**Gagea pratensis** (Pers.) Dumort.  
 (Gagea pratensis (Pers.) Dumort. var. paczoskii Zapal.) = Gagea paczoskii  
**Gagea pusilla** (F.W.Schmidt) Schult. & Schult.f.  
 [Gagea pusilla (F.W.Schmidt) Schult. & Schult.f. subsp. tesquicola (A.Krasnova) Davlianidze] = Gagea tesquicola  
 {Gagea reticulata auct. non (Pall.) Schult. & Schult.f.} = Gagea taurica & Gagea ucrainica  
 (Gagea scythica Artemcz.) = Gagea podolica  
**Gagea spathacea** (Hayne) Salisb.  
 (Gagea szovitsii (Lang) Besser ex Schult. & Schult. f.) = Gagea bohémica  
**Gagea taurica** Steven  
 (Gagea taurica Steven var. ucrainica (Klokov) Zahar.) = Gagea ucrainica  
**Gagea tesquicola** A.Krasnova ~ Gagea pusilla  
**Gagea transversalis** Steven  
**Gagea ucrainica** Klokov  
**Gagea villosa** (M.Bieb.) Duby

**Lilium bulbiferum** L.

Note: Widely cultivated; a rare native (or escaped ?) plant in Transcarpathia.

\***Lilium candidum** L.

\***Lilium lancifolium** Thunb.

\***Lilium maculatum** Thunb.

**Lilium martagon** L.

Conservation status: RDBU (2).

\***Lilium monadelphum** M.Bieb.

(Lilium tigrinum Ker Gawl.) = Lilium lancifolium

**Lloydia serotina** (L.) Rchb.

**Tulipa biebersteiniana** Schult. & Schult. f. s.l.

**Tulipa biflora** Pall.

Conservation status: RDBU (2).



(*Tulipa callieri* Halacsy & Levier) = *Tulipa biflora*

**\**Tulipa gesneriana* L.**

Note: According to E. Mordak (1990, *Novitates Systematicae Plantarum Vascularium* (Leningrad) 27: 27--32), it is the priority name for the wild Crimean plant known as *T. schrenkii*.

***Tulipa graniticola* (Klokov & Zoz) Klokov ~ *Tulipa biebersteiniana* s.l.**

Conservation status: RDBU (3).

***Tulipa hypanica* Klokov & Zoz ~ *Tulipa biebersteiniana* s.l.**

Conservation status: RDBU (3).

(*Tulipa koktebelica* Junge) = *Tulipa biflora*

***Tulipa ophiophylla* Klokov & Zoz ~ *Tulipa biebersteiniana* s.l.**

Conservation status: RDBU (3).

***Tulipa quercetorum* Klokov & Zoz ~ *Tulipa biebersteiniana* s.l.**

Conservation status: RDBU (3).

***Tulipa schrenkii* Regel ~ *Tulipa gesneriana***

Conservation status: RDBU (2).

***Tulipa scythica* Klokov & Zoz ~ *Tulipa biebersteiniana* s.l.**

Conservation status: RDBU (1).

{*Tulipa sylvestris* auct. non L.} = *Tulipa biebersteiniana* s.l.

## **FAMILY Melanthiaceae**

(*Bulbocodium ruthenicum* Bunge) = *Bulbocodium versicolor*

(*Bulbocodium serotinum* L.) = *Lloydia serotina*

Note: See Liliaceae.

[*Bulbocodium vernum* L. subsp. *versicolor* (Ker Gawl.) K.Richt.] = *Bulbocodium versicolor*

***Bulbocodium versicolor* (Ker Gawl.) Spreng.**

Conservation status: RDBU (1).

***Colchicum ancyrense* B.L.Burt ~ *Colchicum triphyllum* s.l.**

Conservation status: RDBU (3).

{*Colchicum arenarium* auct. non Walldst. & Kit.} = *Colchicum fominii*

***Colchicum autumnale* L.**

Conservation status: RDBU (2).

(*Colchicum biebersteinii* Rouy, nom. illeg.) = *Colchicum ancyrense*

(*Colchicum bulbocodioides* M.Bieb. 1808, non Brot. 1804) = *Colchicum ancyrense*

***Colchicum fominii* Bordz. ~ *Colchicum arenarium* s.l.**

Conservation status: RDBU (1); IUCN RL (1); ERL (V).

{*Colchicum triphyllum* auct. non G.Kuntze} = *Colchicum ancyrense*

***Colchicum umbrosum* Steven**

Conservation status: RDBU (2).

**Tofieldia calyculata** (L.) Wahlenb.

Conservation status: RDBU (2).

**Veratrum album** L.

[*Veratrum album* L. subsp. *lobelianum* (Bernh.) Schuebl. & Martens] = *Veratrum lobelianum*

(*Veratrum album* L. subsp. *virescens* (Gaudin) Jáv. & Soó) = *Veratrum lobelianum*

**Veratrum lobelianum** Bernh. ~ *Veratrum album*

**Veratrum nigrum** L.

## **FAMILY Najadaceae**

(*Caulinia fragilis* Willd.) = *Caulinia minor*

**Caulinia minor** (All.) Coss. & Germ.

(*Najas intermedia* Wolfg. ex Gorski) = *Najas marina* subsp. *intermedia*

(*Najas major* All.) = *Najas marina*

**Najas marina** L.

{*Najas marina* L. 1755, non L. 1753} = *Najas marina* subsp. *intermedia*

**Najas marina** L. subsp. *intermedia* (Wolfg. ex Gorski) Casper

(*Najas marina* L. subsp. *major* (All.) Viinikka) = *Najas marina*

[*Najas minor* All.] = *Caulinia minor*

## **FAMILY Orchidaceae**

?**Aceras anthropophorum** (L.) R.Br.

Note: We were unable to substantiate the record of this species from Zhytomyr, NW Ukraine (see L. Smolyaninova, 1976, Fl. Partis Europ. URSS 2: 36).

**Anacamptis pyramidalis** (L.) Rich.

Conservation status: RDBU (2).

(*Cephalanthera grandiflora* S.F.Gray) = *Cephalanthera damasonium*

**Cephalanthera damasonium** (Mill.) Druce

Conservation status: RDBU (2).

(*Cephalanthera ensifolia* (Sw.) Rich.) = *Cephalanthera longifolia*

(*Cephalanthera lonchophyllum* (L.f.) Rchb.f.) = *Cephalanthera damasonium*

**Cephalanthera longifolia** (L.) Fritsch

Conservation status: RDBU (2).

**Cephalanthera rubra** (L.) Rich.

Conservation status: RDBU (2).

**Coeloglossum viride** (L.) C.Hartm.

Conservation status: RDBU (3).

**Comperia comperana** (Steven) Asch. & Graebn.

Conservation status: RDBU (1).

(*Comperia taurica* K.Koch) = *Comperia comperana*

**Corallorhiza trifida** Châtel.

Conservation status: RDBU (2).

**Cypripedium calceolus** L.

Conservation status: RDBU (2).

?**Cypripedium macranthon** Sw.

Note: Records from Ukraine need confirmation.

[*Cypripedium macranthon* Sw. subsp. *ventricosum* (Sw.) Soó] = *Cypripedium ventricosum*

?**Cypripedium ventricosum** Sw.

Note: No specimens nor reliable records from Ukraine available. Erroneously reported for Ukraine (see L. Smolyaninova, 1976, Fl. Partis Europ. URSS 2: 15).

(*Dactylorhiza*) = *Dactylorhiza*

**Dactylorhiza alpestris** (Pugsley) Aver. ~ *Dactylorhiza majalis*

Note: See recent treatments of *Dactylorhiza* (L. Averyanov, 1988-1991, Novitates Systematicae Plantarum Vascularium (Leningrad) 25: 48-67; 26: 47-56; 27: 32-62; 28: 33-42).

**Dactylorhiza** × **aschersoniana** (Hausskn.) Borsos & Soó = *Dactylorhiza incarnata* ×

*Dactylorhiza majalis*

Note: Hybrids of *Dactylorhiza* are insufficiently known in Ukraine; many records are based on misidentifications.

**Dactylorhiza cordigera** (Fr.) Soó

Conservation status: RDBU (3).

**Dactylorhiza cruenta** (O.F.Müll.) Soó ~ *Dactylorhiza incarnata* aggr.

**Dactylorhiza elodes** (Griseb.) Aver. ~ *Dactylorhiza maculata*

**Dactylorhiza fuchsii** (Druce) Soó

Conservation status: RDBU (3).

[*Dactylorhiza fuchsii* (Druce) Soó subsp. *hebridensis* (Wilmott) Soó] = *Dactylorhiza hebridensis*

**Dactylorhiza hebridensis** (Wilmott) Aver. ~ *Dactylorhiza fuchsii*

**Dactylorhiza iberica** (M.Bieb. ex Willd.) Soó

Conservation status: RDBU (3).

**Dactylorhiza incarnata** (L.) Soó

Conservation status: RDBU (3).

[*Dactylorhiza incarnata* (L.) Soó subsp. *cruenta* (O.F.Müll.) P.D.Sell] = *Dactylorhiza*  
*cruenta*

[*Dactylorhiza incarnata* (L.) Soó subsp. *ochroleuca* (Boll.) P.F.Hunt & Summerhayes] =  
*Dactylorhiza ochroleuca*

***Dactylorhiza* × *kerneriorum*** (Soó) Soó = *Dactylorhiza fuchsii* × *Dactylorhiza incarnata*  
{*Dactylorhiza longibracteata* auct. non (F.W.Schmidt) Holub} = *Dactylorhiza fuchsii*

***Dactylorhiza maculata* (L.) Soó**

Conservation status: RDBU (3).

[*Dactylorhiza maculata* (L.) Soó subsp. *elodes* (Griseb.) Soó] = *Dactylorhiza elodes*

[*Dactylorhiza maculata* (L.) Soó subsp. *elodes* (Griseb.) Soó var. *schurii* (Klinge) Soó] =  
*Dactylorhiza schurii*

(*Dactylorhiza maculata* (L.) Soó subsp. *fuchsii* (Druce) Hyl.) = *Dactylorhiza fuchsii*

[*Dactylorhiza maculata* (L.) Soó subsp. *schurii* (Klinge) Soó] = *Dactylorhiza schurii*

[*Dactylorhiza maculata* (L.) Soó subsp. *transsilvanica* (Schur) Soó] = *Dactylorhiza*  
*transsilvanica*

***Dactylorhiza majalis* (Rchb.) P.F.Hunt & Summerhayes**

Conservation status: RDBU (3).

[*Dactylorhiza majalis* (Rchb.) P.F.Hunt & Summerhayes subsp. *cordigera* (Fr.)  
H.Sundermann] = *Dactylorhiza cordigera*

?***Dactylorhiza ochroleuca* (Boll) Holub** ~ *Dactylorhiza incarnata* aggr.

Note: Reported from the western part of Ukraine (Averyanov, l.c.); needs confirmation.

***Dactylorhiza romana* (Seb.) Soó**

Conservation status: RDBU (2).

***Dactylorhiza sambucina* (L.) Soó**

Conservation status: RDBU (2).

***Dactylorhiza schurii* (Klinge) Aver.** ~ *Dactylorhiza maculata*

[*Dactylorhiza sulphurea* (Link) Franco subsp. *pseudosambucina* (Ten.) Franco] =  
*Dactylorhiza romana*

***Dactylorhiza* × *transiens*** (Druce) Soó = *Dactylorhiza fuchsii* × *Dactylorhiza maculata*

***Dactylorhiza transsilvanica* (Schur) Aver.** ~ *Dactylorhiza maculata*

***Dactylorhiza traunsteineri* (Saut. ex Rchb.) Soó**

Conservation status: RDBU (2).

(*Epipactis atropurpurea* Raf.) = *Epipactis atropurpurea*

***Epipactis atropurpurea* (Hoffm. ex Bernh.) Besser**

Conservation status: RDBU (3).

***Epipactis helleborine* (L.) Crantz**

Conservation status: RDBU (2).

(*Epipactis latifolia* (L.) All.) = *Epipactis helleborine*

(*Epipactis longifolia* All.) = *Epipactis palustris*

***Epipactis microphylla* (Ehrh.) Sw.**

Conservation status: RDBU (3).

**Epipactis palustris** (L.) Crantz

Conservation status: RDBU (3).

**Epipactis purpurata** Smith

Conservation status: RDBU (3).

(*Epipactis repens* (L.) Crantz) = *Goodyera repens*

(*Epipactis rubiginosa* (Crantz) Gaudin ex W.D.J.Koch) = *Epipactis atrorubens*

**Epipactis** × **schmalhauseni** Richt. = *Epipactis atrorubens* × *Epipactis helleborine*

(*Epipactis spiralis* (L.) Crantz) = *Spiranthes spiralis*

(*Epipactis violacea* (Dur.-Duq.) Boreau) = *Epipactis purpurata*

**Epipogium aphyllum** Sw.

Conservation status: RDBU (1).

(*Epipogon aphyllus* Čelak.) = *Epipogium aphyllum*

**Goodyera repens** (L.) R.Br.

Conservation status: RDBU (2).

[*Gymnadenia alpina* (Turcz. ex Rehb.f.) Czerep.] = *Gymnadenia conopsea* subsp. *alpina*

**Gymnadenia conopsea** (L.) R.Br.

Conservation status: RDBU (3).

**Gymnadenia conopsea** (L.) R.Br. subsp. **alpina** (Turcz. ex Rehb.f.) Janchen ex Soó

**Gymnadenia conopsea** (L.) R.Br. subsp. **densiflora** (Wahlenb.) K.Richt.

[*Gymnadenia densiflora* (Wahlenb.) A.Dietr.] = *Gymnadenia conopsea* subsp. *densiflora*

**Gymnadenia** × **intermedia** Peterm. = *Gymnadenia conopsea* × *Gymnadenia odoratissima*

**Gymnadenia odoratissima** (L.) Rich.

Conservation status: RDBU (2).

**Hammarbya paludosa** (L.) O.Kuntze

Conservation status: RDBU (2).

**Herminium monorchis** (L.) R.Br.

Conservation status: RDBU (2).

[*Himantoglossum hircinum* (L.) W.D.J.Koch subsp. *caprinum* (M.Bieb.) K.Richt.] =

*Himantoglossum caprinum*

**Himantoglossum caprinum** (M.Bieb.) K.Koch

Conservation status: RDBU (1); ERL (R).

(*Himantoglossum caprinum* (M.Bieb.) Spreng., comb. illeg.) = *Himantoglossum caprinum*

(*Leucorchis albida* (L.) E.Mey., nom. illeg.) = *Pseudorchis albida*

***Limodorum abortivum* (L.) Sw.**

Conservation status: RDBU (1).

***Liparis loeselii* (L.) Rich.**

Conservation status: RDBU (2).

***Listera cordata* (L.) R.Br.**

Conservation status: RDBU (2).

***Listera ovata* (L.) R.Br.**

Conservation status: RDBU (3).

***Malaxis monophyllos* (L.) Sw.**

Conservation status: RDBU (2).

(*Malaxis paludosa* (L.) Sw.) = *Hammarbya paludosa*

(*Microstylis monophyllos* (L.) Lindl.) = *Malaxis monophyllos*

***Neottia nidus-avis* (L.) Rich.**

Conservation status: RDBU (3).

***Neottianthe cucullata* (L.) Schlechter**

Conservation status: RDBU (2).

***Nigritella nigra* (L.) Rchb.f.**

Conservation status: RDBU (1).

Note: *Nigritella nigra* s.str. probably does not occur in Ukraine (see below).

***Nigritella carpatica* (Zapał.) Teppner, Klein & Zagulski** = *Nigritella nigra* aggr.

***Ophrys apifera* Huds.**

Conservation status: RDBU (1).

(*Ophrys corallorhiza* L.) = *Corallorhiza trifida*

(*Ophrys cordata* L.) = *Listera cordata*

***Ophrys cornuta* Steven** ~ *Ophrys oestrifera*

Conservation status: RDBU (1), as *Ophrys oestrifera* s.l.

***Ophrys insectifera* L.**

Conservation status: RDBU (2).

(*Ophrys loeselii* L.) = *Liparis loeselii*

(*Ophrys monophyllos* L.) = *Malaxis monophyllos*

(*Ophrys monorchis* L.) = *Herminium monorchis*

(*Ophrys nidus-avis* L.) = *Neottia nidus-avis*

***Ophrys oestrifera* M.Bieb.**

Conservation status: RDBU (1), including *Ophrys cornuta*; IUCN RL (1).

[*Ophrys oestrifera* M.Bieb. subsp. *cornuta* (Steven) Soó] = *Ophrys cornuta*  
 (*Ophrys ovata* L.) = *Listera ovata*  
 [*Ophrys sphegodes* Mill. subsp. *taurica* (Agg.) Soó] = *Ophrys taurica*  
 (*Ophrys spiralis* L.) = *Spiranthes spiralis*  
***Ophrys taurica* (Agg.) Nevski**

Conservation status: RDBU (1).

(*Orchis abortiva* L.) = *Limodorum abortivum*  
 (*Orchis alpestris* Pugsley) = *Dactylorhiza alpestris*  
***Orchis* × *angusticurvis* Franch.** = *Orchis purpurea* × *Orchis simia*  
 (*Orchis aphylla* F.W.Schmidt 1797, non Forssk. 1775) = *Epipogium aphyllum*  
 (*Orchis bifolia* L.) = *Platanthera bifolia*  
 (*Orchis cassidea* M.Bieb.) = *Orchis fragrans*  
 (*Orchis chlorantha* Cust.) = *Platanthera chlorantha*  
 (*Orchis comperiana* Steven) = *Comperia comperana*  
 (*Orchis cordigera* Fr.) = *Dactylorhiza cordigera*  
***Orchis coriophora* L.**

Conservation status: RDBU (3).

[*Orchis coriophora* L. subsp. *fragrans* (Pollini) K.Richt.] = *Orchis fragrans*  
 [*Orchis coriophora* L. subsp. *nervulosa* (Sakalo) Soó] = *Orchis nervulosa*  
 (*Orchis cruenta* O.F.Müll.) = *Dactylorhiza cruenta*  
***Orchis elegans* Heuff.**  
 (*Orchis elodes* Griseb.) = *Dactylorhiza elodes*  
***Orchis fragrans* Pollini**

Conservation status: RDBU (2).

(*Orchis fuchsii* Druce) = *Dactylorhiza fuchsii*  
 (*Orchis globosa* L.) = *Traunsteinera globosa*  
 (*Orchis hebridensis* Wilmott) = *Dactylorhiza hebridensis*  
***Orchis* × *hybrida* Boenn.** = *Orchis militaris* × *Orchis purpurea*  
 (*Orchis iberica* M.Bieb. ex Willd.) = *Dactylorhiza iberica*  
 (*Orchis incarnata* L.) = *Dactylorhiza incarnata*  
 (*Orchis incarnata* L. var. *ochroleuca* Boll) = *Dactylorhiza ochroleuca*  
 (*Orchis incarnata* L. var. *straminea* Rchb.f. ex Soó) = *Dactylorhiza ochroleuca*  
***Orchis* × *jailae* Soó** = *Orchis provincialis* × *Orchis signifera*  
***Orchis* × *kisslingii* G.Beck** = *Orchis pallens* × *Orchis signifera*  
 (*Orchis latifolia* L., nom. ambig.) = *Dactylorhiza majalis*  
***Orchis laxiflora* Lam.**

Conservation status: RDBU (2).

[*Orchis laxiflora* Lam. subsp. *elegans* (Heuff.) Beck] = *Orchis elegans*  
 [*Orchis laxiflora* Lam. subsp. *palustris* (Jacq.) Bonnier & Layens] = *Orchis palustris*  
 (*Orchis maculata* L.) = *Dactylorhiza maculata*

(*Orchis majalis* Rchb.) = *Dactylorhiza majalis*

***Orchis mascula* (L.) L.**

Conservation status: RDBU (3).

[*Orchis mascula* (L.) L. subsp. *pinetorum* (Boiss. & Kotschy) E.G.Camus] = *Orchis pinetorum*

[*Orchis mascula* (L.) L. subsp. *signifera* (Vest) Soó] = *Orchis signifera*

[*Orchis mascula* (L.) L. subsp. *wanjkowii* (E. Wulff) Soó] = *Orchis wanjkowii*

***Orchis militaris* L.**

Conservation status: RDBU (3).

***Orchis morio* L.**

Conservation status: RDBU (2).

[*Orchis morio* L. subsp. *picta* (Loisel.) K. Richt.] = *Orchis picta*

***Orchis nervulosa* Sakalo ~ *Orchis coriophora***

Conservation status: RDBU (1).

***Orchis pallens* L.**

Conservation status: RDBU (1).

***Orchis palustris* Jacq.**

Conservation status: RDBU (3).

***Orchis picta* Loisel.**

Conservation status: RDBU (2).

***Orchis pinetorum* Boiss. & Kotschy ~ *Orchis mascula***

***Orchis* × *plessidiaca* Renz = *Orchis pallens* × *Orchis provincialis***

***Orchis provincialis* Balb.**

Conservation status: RDBU (2).

(*Orchis pseudosambucina* Ten.) = *Dactylorhiza romana*

***Orchis punctulata* Steven ex Lindl.**

Conservation status: RDBU (1).

***Orchis purpurea* Huds.**

Conservation status: RDBU (3).

(*Orchis pyramidalis* L.) = *Anacamptis pyramidalis*

(*Orchis romana* Seb.) = *Dactylorhiza romana*

(*Orchis sambucina* L.) = *Dactylorhiza sambucina*

(*Orchis satyrioides* Steven) = *Stenieniella satyrioides*

***Orchis signifera* Vest ~ *Orchis mascula***

Conservation status: RDBU (3).

***Orchis simia* Lam.**

Conservation status: RDBU (2).

(*Orchis taurica* Lindl.) = *Orchis tridentata*

(*Orchis transsilvanica* Schur) = *Dactylorhiza transsilvanica*

(*Orchis traunsteineri* Saut. ex Rchb.) = *Dactylorhiza traunsteineri*

***Orchis tridentata* Scop.**

Conservation status: RDBU (2).



***Orchis ustulata* L.**

Conservation status: RDBU (2).

(*Orchis variegata* All.) = *Orchis tridentata*

***Orchis wanjkwii* E. Wulff ~ *Orchis mascula***

Conservation status: RDBU (2).

*Orchis* × *wulffiana* Soó = *Orchis purpurea* × *Orchis punctulata*

***Platanthera bifolia* (L.) Rich.**

Conservation status: RDBU (3).

***Platanthera chlorantha* (Cust.) Rehb.**

Conservation status: RDBU (3).

***Pseudorchis albida* (L.) A.L.öve & D.L.öve**

Conservation status: RDBU (3), as *Leucorchis albida*.

***Spiranthes amoena* (M.Bieb.) Spreng.**

Conservation status: RDBU (1).

(*Spiranthes autumnalis* (Balb.) Rich.) = *Spiranthes spiralis*

***Spiranthes spiralis* (L.) Chevall.**

Conservation status: RDBU (2).s

***Steveniella satyrioides* (Steven) Schlechter**

Conservation status: RDBU (1).

***Traunsteinera globosa* (L.) Rehb.**

Conservation status: RDBU (3).

**FAMILY Poaceae (= Gramineae)**

***Achnatherum bromoides* (L.) P.Beauv.**

***Aegilops biuncialis* Vis.**

***Aegilops cylindrica* Host**

***Aegilops geniculata* Roth**

(*Aegilops lorentii* Hochst.) = *Aegilops biuncialis*

***Aegilops ovata* L.**

{*Aegilops ovata* sensu auct. Fl. URSS, non L.} = *Aegilops geniculata*

{*Aegilops triaristata* auct. non Willd.} = *Aegilops ovata*

***Aegilops triuncialis* L.**

(*Aegilops vagans* Jord. & Fourr.) = *Aegilops geniculata*

***Aeluropus littoralis* (Gouan) Parl.**

(*Agropyron* × *apiculatum* Tscherning) = *Elytrigia* × *mucronata*  
[*Agropyron* *bessarabicum* Sávul. & Rayss] = *Elytrigia* *bessarabica*  
[*Agropyron* *caninum* (L.) P.Beauv.] = *Elymus* *caninus*

***Agropyron cimmericum* Nevski**

Conservation status: IUCN RL (I).

Note: Probably a hybrid between *A. dasyanthum* and *A. lavrenkoanum*.

(*Agropyron* *cretaceum* Klokov & Prokud.) = *Elytrigia* *cretacea*

***Agropyron cristatum* (L.) P.Beauv.**

Note: *Agropyron cristatum* s. str. occurs in Ukraine as a rare alien species only.

[*Agropyron cristatum* (L.) P.Beauv. subsp. *desertorum* (Fisch. ex Link) A.Löve] =

*Agropyron* *desertorum*

(*Agropyron cristatum* (L.) P.Beauv. subsp. *dunensis* (G.Grint) Dihoru & Negrean) =

*Agropyron* *lavrenkoanum*

[*Agropyron cristatum* (L.) P.Beauv. subsp. *pectinatum* (M.Bieb.) Tzvelev] = *Agropyron* *pectinatum*

[*Agropyron cristatum* (L.) P.Beauv. subsp. *ponticum* (Nevski) Tzvelev] = *Agropyron* *ponticum*

[*Agropyron cristatum* (L.) P.Beauv. subsp. *sabulosum* Lavrenko] = *Agropyron* *lavrenkoanum*

***Agropyron dasyanthum* Ledeb.**

Conservation status: IUCN RL (R).

[*Agropyron dasyanthum* Ledeb. subsp. *birjutcense* (Lavrenko) Lavrenko] = *Agropyron* *cimmericum*

***Agropyron desertorum* (Fisch. ex Link) Schult. & Schult.f.**

[*Agropyron elongatum* (Host) P.Beauv.] = *Elytrigia* *elongata*

(*Agropyron glaucum* (Desf. ex DC.) Roem. & Schult.) = *Elytrigia* *intermedia*

(*Agropyron imbricatum* Roem. & Schult.) = *Agropyron* *pectinatum*

[*Agropyron intermedium* (Host) P.Beauv.] = *Elytrigia* *intermedia*

(*Agropyron intermedium* (Host) P.Beauv. subsp. *trichophorum* (Link) Volkart) =  
*Elytrigia* *trichophora*

(*Agropyron karadagense* Kotov) = *Agropyron* *ponticum*

***Agropyron lavrenkoanum* Prokud.**

[*Agropyron maeoticum* Prokud.] = *Elytrigia* *maeotica*

[*Agropyron nodosum* Nevski] = *Elytrigia* *nodosa*

[*Agropyron panormitanum* Parl.] = *Elymus* *panormitanus*

***Agropyron pectinatum* (M.Bieb.) P.Beauv.**

(*Agropyron pectiniforme* Roem. & Schult.) = *Agropyron* *pectinatum*

{*Agropyron pinifolium* auct. non Nevski} = *Agropyron* *ponticum*

***Agropyron ponticum* Nevski**

[*Agropyron pseudocaesium* (Pacz.) Zoz] = *Elytrigia* *pseudocaesia*

[*Agropyron repens* (L.) P.Beauv.] = *Elytrigia* *repens*

(*Agropyron rigidum* C.Presl) = *Elytrigia* *intermedia*

{*Agropyron ruthenicum* auct. non (Griseb.) Prokud.} = *Elytrigia elongata*

[*Agropyron scythicum* Nevski] = *Elytrigia scythica*

**Agropyron stepposum** Dubovik ~ *Agropyron pectinatum*

[*Agropyron stipifolium* Czern. ex Nevski] = *Elytrigia stipifolia*

[*Agropyron strigosum* (M.Bieb.) Boiss.] = *Elytrigia strigosa*

**Agropyron tanaiticum** Nevski

Conservation status: IUCN RL (R).

[*Agropyron* × *tesquicolum* Prokud.] = *Elytrigia* × *tesquicola*

[*Agropyron trachycaulon* (Link) Steud.] = *Elymus trachycaulus*

[*Agropyron trichophorum* (Link) K.Richt.] = *Elytrigia trichophora*

{*Agrostis alba* auct. non L.} = *Agrostis stolonifera* & *Agrostis gigantea*

**Agrostis albida** Trin. ~ *Agrostis stolonifera*

(*Agrostis alpestris* Laest. ex Nyman) = *Agrostis vinealis*

**Agrostis alpina** Scop.

(*Agrostis arundinacea* L.) = *Calamagrostis arundinacea*

**Agrostis canina** L.

**Agrostis capillaris** L.

(*Agrostis festucoides* Vill.) = *Agrostis alpina*

(*Agrostis geniculata* Lam.) = *Agrostis canina*

**Agrostis gigantea** Roth

(*Agrostis granitica* Klokov) = *Agrostis gigantea*

(*Agrostis interrupta* L.) = *Apera interrupta*

**Agrostis macotica** Klokov

?**Agrostis** × **murbeckii** Fouill. ex P.Fourn. = *Agrostis capillaris* × *Agrostis stolonifera*

Note: This hybrid can be expected in Ukraine within the ranges of its parental species.

However, data on exact localities are lacking.

(*Agrostis praticola* Klokov) = *Agrostis gigantea*

(*Agrostis pseudoalba* Klokov) = *Agrostis stolonifera*

**Agrostis rupestris** All.

**Agrostis sabulicola** Klokov

(*Agrostis spica-venti* L.) = *Apera spica-venti*

**Agrostis stolonifera** L.

(*Agrostis stolonizans* Besser ex Schult. & Schult.f.) = *Agrostis stolonifera*

(*Agrostis stricta* J.F.Gmel.) = *Agrostis vinealis*

(*Agrostis stricta* Willd.) = *Agrostis capillaris*

(*Agrostis syreistschikovii* P.Smirm.) = *Agrostis vinealis*

(*Agrostis tenuifolia* Curtis) = *Agrostis canina*

(*Agrostis tenuifolia* M.Bieb.) = *Agrostis vinealis*

(*Agrostis tenuis* Sibth.) = *Agrostis capillaris*

**Agrostis vinealis** Schreb.

(*Agrostis vulgaris* With.) = *Agrostis capillaris*

(*Agrostis zerovii* Klokov) = *Agrostis stolonifera*

× *Agrotrogyia kotovii* Tzvelev = *Agropyron pectinatum* × *Elytrigia repens*

(*Aira aquatica* L.) = *Catabrosa aquatica*

(*Aira caerulea* L.) = *Molinia caerulea*

(*Aira canescens* L.) = *Corynephorus canescens*

(*Aira capillaris* Host 1809, non Savi 1798) = *Aira elegans*

***Aira caryophyllea* L.**

(*Aira cespitosa* L.) = *Deschampsia cespitosa*

***Aira elegans* Willd. ex Gaudin**

{*Aira elegantissima* auct. non Schur} = *Aira elegans*

(*Aira flexuosa* L.) = *Avenella flexuosa*

(*Aira glauca* Spreng.) = *Koeleria glauca*

***Alopecurus aequalis* Sobol.**

***Alopecurus arundinaceus* Poir.**

(*Alopecurus fulvus* Smith) = *Alopecurus aequalis*

***Alopecurus geniculatus* L.**

***Alopecurus laguriformis* Schur**

***Alopecurus myosuroides* Huds.**

***Alopecurus pratensis* L.**

[*Alopecurus pratensis* L. subsp. *laguriformis* (Schur) Tzvelev] = *Alopecurus laguriformis*

***Alopecurus vaginatus* (Willd.) Pall. ex Kunth**

(*Alopecurus ventricosus* Pers.) = *Alopecurus arundinaceus*

(*Andropogon gryllus* L.) = *Chrysopogon gryllus*

(*Andropogon ischaemum* L.) = *Botriochloa ischaemum*

(*Andropogon sudanensis* Piper) = *Sorghum sudanense*

(*Aneurolepidium ramosum* (Trin.) Nevski) = *Leymus ramosus*

***Anisantha diandra* (Roth) Tutin**

***Anisantha madritensis* (L.) Nevski**

***Anisantha sterilis* (L.) Nevski**

***Anisantha tectorum* (L.) Nevski**

***Anthoxanthum alpinum* A.Löve & D.Löve**

***Anthoxanthum odoratum* L.**

[*Anthoxanthum odoratum* L. subsp. *alpinum* (A.Löve & D.Löve) B.Jones & Melderis] =

*Anthoxanthum alpinum*

***Apera interrupta* (L.) P.Beauv.**

(*Apera longiseta* Klokov) = *Apera spica-venti*

**Apera maritima** Klovov

**Apera spica-venti** (L.) P.Beauv.

[*Apera spica-venti* (L.) P.Beauv. subsp. *maritima* (Klovov) Tzvelev] = *Apera maritima*

**Arrhenatherum elatius** (L.) J.Presl & C.Presl

(*Arundo australis* Cav.) = *Phragmites australis*

(*Arundo canescens* Weber) = *Calamagrostis canescens*

\***Arundo donax** L.

(*Arundo epigejos* L.) = *Calamagrostis epigejos*

(*Arundo neglecta* Ehrh., nom. illeg.) = *Calamagrostis stricta*

(*Arundo phragmites* L.) = *Phragmites australis*

(*Arundo stricta* Timm) = *Calamagrostis stricta*

(*Arundo varia* Schrad.) = *Calamagrostis varia*

(*Atropis distans* (Jacq.) Griseb.) = *Puccinellia distans*

**Avena barbata** Pott ex Link

**Avena cultiformis** (Malzev) Malzev

(*Avena dubia* Leers) = *Ventenata dubia*

(*Avena elatior* L.) = *Arrhenatherum elatius*

?**Avena eriantha** Durieu

Note: Reported from Sudak, Crimea (specimens collected by Ch. Steven). Needs confirmation.

**Avena fatua** L.

(*Avena ludoviciana* Durieu) = *Avena persica*

**Avena nuda** L.

**Avena persica** Steud.

**Avena sativa** L.

**Avena sterilis** L.

**Avena strigosa** Schreb.

**Avena trichophylla** K.Koch

(*Avena wiestii* Steud.) = *Avena barbata*

{*Avenastrum alpinum* auct. non (Smith) Fritsch} = *Helictotrichon praeustum*

(*Avenastrum besseri* (Griseb.) Koczwara) = *Helictotrichon desertorum*

(*Avenastrum desertorum* (Less.) Podp.) = *Helictotrichon desertorum*

(*Avenastrum planiculme* (Schrad.) Opiz) = *Helictotrichon planiculme*

{*Avenastrum pratense* auct. non (L.) Opiz} = *Helictotrichon praeustum*

(*Avenastrum pubescens* (Huds.) Opiz) = *Helictotrichon pubescens*

(*Avenastrum schellianum* (Hack.) Rochev.) = *Helictotrichon schellianum*

(*Avenastrum versicolor* (Vill.) Fritsch) = *Helictotrichon versicolor*

**Avenella flexuosa** (L.) Drejer

**Avenella flexuosa** (L.) Drejer subsp. **montana** (L.) A.Löve & D.Löve

(*Avenochloa compressa* (Heuff.) Holub) = *Helictotrichon compressum*

(*Avenochloa planiculmis* (Schrad.) Holub) = *Helictotrichon planiculme*

(*Avenochloa praeusta* (Rchb.) Soják) = *Helictotrichon praeustum*

{*Avenochloa pratensis* auct. non (L.) Holub} = *Helictotrichon praeustum*

(*Avenochloa pubescens* (Huds.) Holub) = *Helictotrichon pubescens*

(*Avenochloa schelliana* (Hack.) Holub) = *Helictotrichon schellianum*

(*Avenochloa versicolor* (Vill.) Holub) = *Helictotrichon versicolor*

(*Avenula compressa* (Heuff.) Sauer & Chmelitschek) = *Helictotrichon compressum*

(*Avenula planiculmis* (Schrad.) Sauer & Chmelitschek) = *Helictotrichon planiculme*

(*Avenula praeusta* (Rchb.) Holub) = *Helictotrichon praeustum*

{*Avenula pratensis* auct. non (L.) Dumort.} = *Helictotrichon praeustum*

(*Avenula pubescens* (Huds.) Dumort.) = *Helictotrichon pubescens*

(*Avenula schelliana* (Hack.) Holub) = *Helictotrichon schellianum*

(*Avenula versicolor* (Vill.) Lainz) = *Helictotrichon versicolor*

(*Bambusa disticha* Mitford) = *Pleioblastus distichus*

(*Bambusa quadrangularis* Fenzl) = *Chimonobambusa quadrangularis*

(*Bambusa simonii* Carrière) = *Pleioblastus simonii*

**Beckmannia eruciformis** (L.) Host

[*Beckmannia eruciformis* (L.) Host subsp. *syzigachne* (Steud.) Breitung] = *Beckmannia syzigachne*

**Beckmannia syzigachne** (Steud.) Fernald

Note: A rare alien plant collected in Kiev in 1990 (S. Mosyakin, 1991, Ukr. Bot. Zhurn. 48(4): 28-34).

**Bellardiochloa violacea** (Bellardi) Chiov.

**Bothriochloa ischaemum** (L.) Keng

**Brachypodium pinnatum** (L.) P.Beauv.

[*Brachypodium pinnatum* (L.) P.Beauv. subsp. *rupestre* (Host) Schuebl. & Martens] = *Brachypodium rupestre*

**Brachypodium rupestre** (Host) Roem. & Schult.

**Brachypodium sylvaticum** (Huds.) P.Beauv.

[*Brevipodium sylvaticum* (Huds.) A.Löve & D.Löve] = *Brachypodium sylvaticum*

(*Briza australis* Prokud.) = *Briza elatior*

***Briza elatior*** Sibth. & Smith

[*Briza humilis* M.Bieb.] = *Brizochloa humilis*

***Briza media*** L.

(*Briza spicata* Sibth. & Smith) = *Brizochloa humilis*

***Brizochloa humilis*** (M.Bieb.) Chrtek & Hadač

***Bromopsis benekenii*** (Lange) Holub

***Bromopsis calcarea*** Klokov ~ *Bromopsis cappadocica* aggr.

***Bromopsis cappadocica*** (Boiss. & Balansa) Holub aggr.

Note: *Bromopsis cappadocica* s.str. does not occur in Ukraine; it is replaced in  
Crimea by closely related taxa of the *B. cappadocica* aggregate.

***Bromopsis cimmerica*** Klokov ~ *Bromopsis riparia*

***Bromopsis erecta*** (Huds.) Fourr.

(*Bromopsis glabrata* Klokov) = *Bromopsis* × *taurica*

***Bromopsis heterophylla*** (Klokov) Holub ~ *Bromopsis cappadocica* aggr.

***Bromopsis inermis*** (Leyss.) Holub

***Bromopsis pseudocappadocica*** Klokov ~ *Bromopsis cappadocica* aggr.

***Bromopsis ramosa*** (Huds.) Holub

[*Bromopsis ramosa* (Huds.) Holub subsp. *benekenii* (Lange) Tzvelev] = *Bromopsis*  
*benekenii*

***Bromopsis riparia*** (Rehman) Holub

(*Bromopsis riparia* (Rehman) Holub subsp. *heterophylla* (Klokov) Tzvelev) = *Bromopsis*  
*heterophylla*

***Bromopsis* × *taurica*** Sijussar. = *Bromopsis heterophylla* × *Bromopsis riparia* aggr.

***Bromus anatolicus*** Boiss. & Heldr. ~ *Bromus japonicus*

***Bromus arvensis*** L.

[*Bromus benekenii* (Lange) Trimen] = *Bromopsis benekenii*

***Bromus briziformis*** Fisch. & C.A.Mey.

[*Bromus cappadocicus* Boiss. & Balansa] = *Bromopsis cappadocica*

[*Bromus carinatus* Hook. & Arn.] = *Ceratochloa carinata*

[*Bromus catharticus* M.Vahl] = *Ceratochloa cathartica*

***Bromus commutatus*** Schrad.

[*Bromus diandrus* Roth] = *Anisantha diandra*

[*Bromus erectus* Huds.] = *Bromopsis erecta*

(*Bromus giganteus* L.) = *Festuca gigantea*

(*Bromus gussonii* Parl.) = *Anisantha diandra*

***Bromus hordeaceus*** L.

(*Bromus hordeaceus* L. subsp. *mollis* (L.) Hyl.) = *Bromus hordeaceus*

[*Bromus inermis* Leyss.] = *Bromopsis inermis*

**Bromus japonicus** Thunb.

[*Bromus japonicus* Thunb. subsp. *anatolicus* (Boiss. & Heldr.) Penzes] = *Bromus anatolicus*

(*Bromus japonicus* Thunb. subsp. *sooi* (Penzes) Soó) = *Bromus japonicus*

(*Bromus japonicus* Thunb. subsp. *subsquarrosus* (Borbás) Penzes) = *Bromus japonicus*

[*Bromus madritensis* L.] = *Anisantha madritensis*

(*Bromus megastachys* Borbás) = *Bromus squarrosus*

(*Bromus mollis* L.) = *Bromus hordeaceus*

(*Bromus patulus* Mert. & W.D.J.Koch) = *Bromus japonicus*

(*Bromus pinnatus* L.) = *Brachypodium pinnatum*

{*Bromus racemosus* auct. non L.} = *Bromus commutatus*

(*Bromus racemosus* L. subsp. *commutatus* (Schrad.) Maire & Weiller) = *Bromus commutatus*

[*Bromus ramosus* Huds.] = *Bromopsis ramosa*

[*Bromus ramosus* Huds. subsp. *benekenii* (Lange) Lindb.f.] = *Bromopsis benekenii*

{*Bromus rigens* auct. non L.} = *Anisantha diandra*

[*Bromus riparius* Rehman] = *Bromopsis riparia*

**Bromus scoparius** L.

**Bromus secalinus** L.

**Bromus squarrosus** L.

[*Bromus sterilis* L.] = *Anisantha sterilis*

(*Bromus subsquarrosus* Borbás) = *Bromus japonicus*

[*Bromus tectorum* L.] = *Anisantha tectorum*

**Bromus wolgensis** Fisch. ex Jacq.f. ~ *Bromus squarrosus*

{*Bromus willdenowii* auct. non Kunth} = *Ceratochloa cathartica*

**Calamagrostis** × **acutiflora** (Schrad.) Rehb. = *Calamagrostis arundinacea* × *Calamagrostis epigeios*

**Calamagrostis arundinacea** (L.) Roth

**Calamagrostis canescens** (Weber) Roth

(*Calamagrostis cotulae* Zapal.) = *Calamagrostis villosa*

**Calamagrostis epigeios** (L.) Roth

[*Calamagrostis epigeios* (L.) Roth subsp. *glomerata* (Boiss. & Buhse) Tzvelev] = *Calamagrostis glomerata*

[*Calamagrostis epigeios* (L.) Roth subsp. *macrolepis* (Litv.) Tzvelev] = *Calamagrostis macrolepis*

{*Calamagrostis gigantea* auct. non Roshev.} = *Calamagrostis epigeios*

(*Calamagrostis glauca* (M.Bieb.) Rehb.) = *Calamagrostis pseudophragmites*

**Calamagrostis glomerata** Boiss. & Buhse ~ *Calamagrostis epigeios*

**Calamagrostis** × **hartmanniana** Fr. = *Calamagrostis arundinacea* × *Calamagrostis canescens*

(*Calamagrostis lanceolata* Roth) = *Calamagrostis canescens*

(*Calamagrostis lithuanica* Besser) = *Calamagrostis canescens*



**Calamagrostis macrolepis** Litv. = *Calamagrostis epigeios*  
 {*Calamagrostis neglecta* auct. non P.Gaertn., B.Mey. & Scherb.} = *Calamagrostis stricta*  
**Calamagrostis pseudophragmites** (Haller f.) Koeler  
**Calamagrostis** × **rigens** Lindgr. = *Calamagrostis canescens* × *Calamagrostis epigeios*  
**Calamagrostis stricta** (Timm) Koeler  
**Calamagrostis** × **strigosa** (Wahlenb.) C.Hartm. = *Calamagrostis epigeios* ×  
     *Calamagrostis stricta*  
**Calamagrostis varia** (Schröd.) Host  
**Calamagrostis villosa** (Chaix) J.F.Gmel.  
**Calamagrostis** × **vilmensis** Besser = *Calamagrostis canescens* × *Calamagrostis stricta*

**Catabrosa aquatica** (L.) P.Beauv.

[*Catapodium rigidum* (L.) C.E.Hubb. ex Dony] = *Scleropoa rigida*

{*Cenchrus incertus* auct. non Curtis} = *Cenchrus longispinus*  
**Cenchrus longispinus** (Hack.) Fernald  
 {*Cenchrus pauciflorus* auct. non Benth.} = *Cenchrus longispinus*  
 (*Cenchrus racemosus* L.) = *Tragus racemosus*  
 {*Cenchrus tribuloides* auct. non L.} = *Cenchrus longispinus*

**Ceratochloa carinata** (Hook. & Arn.) Tutin

Note: A rare alien plant known in several localities in central Ukraine.

**Ceratochloa cathartica** (M.Vahl) Herter

Note: A rare alien plant collected in Kiev in 1990; also reported as occasionally cultivated.

{*Ceratochloa unioloides* auct. non (Willd.) P.Beauv.} = *Ceratochloa cathartica*

**\*Chimonobambusa quadrangularis** (Fenzl) Makino

Note: Rarely cultivated in gardens and parks of Crimea.

**Chrysopogon gryllus** (L.) Trin.

Conservation status: RDBU (2).

**Cleistogenes bulgarica** (Bornm.) Keng

(*Cleistogenes maeotica* Klovov & Zoz) = *Cleistogenes bulgarica*

**Cleistogenes serotina** (L.) Keng

[*Cleistogenes serotina* (L.) Keng subsp. *bulgarica* (Bornm.) Tutin] = *Cleistogenes bulgarica*

**Cleistogenes squarrosa** (Trin.) Keng

[*Clinelymus sibiricus* (L.) Nevski] = *Elymus sibiricus*

(*Cortaderia dioica* (Spreng.) Speg.) = *Cortaderia selloana*

**\**Cortaderia selloana*** (Schult. & Schult.f.) Asch. & Graebn.

Note: Occasionally cultivated in S Ukraine (Crimea).

***Corynephorus canescens*** (L.) P.Beauv.

***Crypsis aculeata*** (L.) Aiton

***Crypsis alopecuroides*** (Piller & Mitterp.) Schrad.

(*Crypsis phalaroides* M.Bieb.) = *Crypsis alopecuroides*

***Crypsis schoenoides*** (L.) Lam.

(*Cuviera europaea* (L.) Koeler) = *Hordelymus europaeus*

[*Cylindropyrum cylindricum* (Host) A.Löve] = *Aegilops cylindrica*

***Cynodon dactylon*** (L.) Pers.

***Cynosurus cristatus*** L.

***Cynosurus echinatus*** L.

***Dactylis glomerata*** L.

[*Dactylis glomerata* L. subsp. *aschersoniana* (Graebn.) Thell.] = *Dactylis polygama*

[*Dactylis glomerata* L. subsp. *hispanica* (Roth) Nyman] = *Dactylis hispanica*

(*Dactylis glomerata* L. subsp. *polygama* (Horv.) Domin) = *Dactylis polygama*

[*Dactylis glomerata* L. subsp. *slovenica* (Domin) Domin] = *Dactylis slovenica*

***Dactylis hispanica*** Roth ~ *Dactylis glomerata* s.l.

***Dactylis polygama*** Horv. - *Dactylis glomerata* s.l.

***Dactylis slovenica*** Domin - *Dactylis glomerata* s.l.

***Danthonia alpina*** Vest

[*Danthonia decumbens* (L.) DC.] = *Sieglingia decumbens*

[*Danthonia decumbens* (L.) DC. subsp. *decipiens* O.Schwarz & Bässler] = *Sieglingia decumbens*  
subsp. *decipiens*

***Dasypyrum villosum*** (L.) P.Candargy

***Deschampsia cespitosa*** (L.) P.Beauv.

***Deschampsia cespitosa*** (L.) P.Beauv. subsp. ***alpicola*** Chrtek & V.Jirásek

***Deschampsia cespitosa*** (L.) P.Beauv. subsp. ***parviflora*** (Thuill.) K.Richt.

[*Deschampsia flexuosa* (L.) Nees] = *Avenella flexuosa*

(*Deschampsia montana* (L.) D.Don f.) = *Avenella flexuosa* subsp. *montana*

(*Deschampsia pulchella* (Willd.) Trin.) = *Molineriella laevis*

[*Dichanthelium acuminatum* (Sw.) Gould & Clark] = *Panicum acuminatum*

(*Dichanthelium lanuginosum* (Elliott) Gould) = *Panicum acuminatum*

***Digitaria aegyptiaca* (Retz.) Willd. ~ *Digitaria sanguinalis* aggr.**

***Digitaria ciliaris* (Retz.) Koeler**

Note: A very rare alien species. Almost all Ukrainian records of *D. ciliaris* refer to *D. pectiniformis*.

{*Digitaria ciliaris* auct. non (Retz.) Koeler} = *Digitaria pectiniformis*

***Digitaria ischaemum* (Schreb.) Muhl.**

{*Digitaria linearis* auct. non (L.) Crép.} = *Digitaria ischaemum*

***Digitaria pectiniformis* (Henrard) Tzvelev ~ *Digitaria sanguinalis* aggr.**

***Digitaria sanguinalis* (L.) Scop.**

[*Digitaria sanguinalis* (L.) Scop. subsp. *aegyptiaca* (Retz.) Henrard] = *Digitaria aegyptiaca*

[*Digitaria sanguinalis* (L.) Scop. subsp. *pectiniformis* Henrard] = *Digitaria pectiniformis*

(*Digitaria vulgaris* (Schrödl.) Besser) = *Digitaria sanguinalis*

(*Digraphis arundinacea* (L.) Trin.) = *Phalaroides arundinacea*

(*Diplachne bulgarica* (Bornm.) Bornm.) = *Cleistogenes bulgarica*

(*Diplachne serotina* (L.) Link) = *Cleistogenes serotina*

(*Diplachne squarrosa* (Trin.) Maxim.) = *Cleistogenes serotina*

***Echinaria capitata* (L.) Desf.**

***Echinochloa colona* (L.) Link**

Note: A rare casual alien collected in Kiev in 1989-1990 (see synopsis of *Echinochloa* in Ukraine: S. Mosyakin, 1996, pp. 217-225. in: S. Wasser (ed.), *Botany and Mycology for the Next Millenium*. Kiev).

***Echinochloa crusgalli* (L.) P.Beauv.**

***Echinochloa crusgalli* (L.) P.Beauv. subsp. *spiralis* (Vasing.) Tzvelev**

**\*!*Echinochloa esculenta* (A.Br.) H.Scholz**

***Echinochloa frumentacea* Link**

Note: A rare casual alien collected in Kiev in 1990.

{*Echinochloa frumentacea* auct. non Link} = *Echinochloa esculenta*

(*Echinochloa frumentacea* Link subsp. *utilis* (Ohwi & Yabuno) Tzvelev) = *Echinochloa esculenta*

(*Echinochloa hostii* (M.Bieb.) Steven) = *Echinochloa oryzoides* subsp. *oryzoides*

(*Echinochloa macrocarpa* Vasing.) = *Echinochloa oryzoides* subsp. *oryzoides*

***Echinochloa microstachya* (Wiegand) Rydb.**

Note: A casual alien collected in Kiev in 1989.

***Echinochloa microstachya* (Wiegand) Rydb. subsp. *wiegandii* (Fassett) Mosyakin**

Note: A rare casual alien collected in Kiev in 1990.

(*Echinochloa muricata* (P.Beauv.) Fernald var. *microstachya* Wiegand) = *Echinochloa microstachya*

*(Echinochloa occidentalis (Wiegand) Rydb. s.str.) = Echinochloa crusgalli*  
*{Echinochloa occidentalis auct. non (Wiegand) Rydb.} = Echinochloa microstachya subsp. wiegandii*  
*{Echinochloa occidentalis sensu Probatova, non (Wiegand.) Rydb.} = Echinochloa crusgalli subsp. spiralis*  
***Echinochloa oryzicola* (Vasing.) Vasing.**  
***Echinochloa oryzoides* (Ard.) Fritsch**  
***Echinochloa oryzoides* (Ard.) Fritsch subsp. *phyllopogon* (Stapf) Tzvelev**  
*[Echinochloa phyllopogon (Stapf) Kossenko] = Echinochloa oryzoides subsp. phyllopogon*  
*(Echinochloa phyllopogon (Stapf) Carv.-Vasc. comb. superfl.) = Echinochloa oryzoides subsp. phyllopogon*  
*(Echinochloa phyllopogon (Stapf) Kossenko subsp. oryzicola (Vasing.) Kossenko] = Echinochloa oryzicola*  
*(Echinochloa pungens (Poir.) Rydb. var. wiegandii Fassett) = Echinochloa microstachya subsp. wiegandii*  
*(Echinochloa utilis Ohwi & Yabuno) = Echinochloa esculenta*  
*[Echinochloa wiegandii (Fassett) McNeill & Dore] = Echinochloa microstachya subsp. wiegandii*

***Eleusine indica* (L.) Gaertn.**

Note: One collection from Kiev (S. Mosyakin & M. Shevera, 1993, Ukr. Bot. Zhurn. 50(1): 94-97); the colony has recently disappeared.

*[Elymus arenarius L.] = Leymus arenarius*

***Elymus caninus* (L.) L.**

*(Elymus giganteus Vahl) = Leymus racemosus*

***Elymus panormitanus* (Parl.) Tzvelev**

*[Elymus racemosus Lam.] = Leymus racemosus*

*[Elymus sabulosus M.Bieb.] = Leymus sabulosus*

***Elymus sibiricus* L.**

Note: A rare casual alien collected in Kiev in 1990 (S. Mosyakin, 1991, Ukr. Bot. Zhurn. 48(4): 28-34).

***Elymus trachycaulus* (Link) Gould & Schinners**

*(Elytrigia × apiculata (Tscherning) V.Jirásek) = Elytrigia × mucronata*

*(Elytrigia aucheri (Boiss.) Nevski) = Elytrigia trichophora*

***Elytrigia bessarabica* (Săvul. & Rayss) Prokud.**

***Elytrigia cretacea* (Klokov & Prokud.) Klokov & Prokud. = Elytrigia stipifolia s.l.**

Conservation status: RDBU (2).

*(Elytrigia dominii V.Jirásek) = Elytrigia × tesquicola*

***Elytrigia elongata* (Host) Nevski**

**Elytrigia intermedia** (Host) Nevski

{*Elytrigia juncea* auct. non (L.) Nevski} = *Elytrigia bessarabica* s.str.

[*Elytrigia juncea* (L.) Nevski subsp. *bessarabica* (Săvul. & Rayss) Tzvelev] = *Elytrigia bessarabica*

**Elytrigia kotovii** Dubovik = *Elytrigia stipifolia* s.l.

**Elytrigia macotica** (Prokud.) Prokud.

*Elytrigia* × *mucronata* (Opiz) Prokud. = *Elytrigia intermedia* × *Elytrigia repens*

**Elytrigia ninae** Dubovik = *Elytrigia stipifolia* s.l.

**Elytrigia nodosa** (Nevski) Nevski

(*Elytrigia prokudinii* Druleva) = *Elytrigia elongata*

**Elytrigia pseudocaesia** (Pacz.) Prokud.

**Elytrigia repens** (L.) Nevski

[*Elytrigia repens* (L.) Nevski subsp. *pseudocaesia* (Pacz.) Tzvelev] = *Elytrigia pseudocaesia*

[*Elytrigia repens* (L.) Nevski subsp. *elongatiformis* (Drob.) Tzvelev] = *Elytrigia macotica*

(*Elytrigia ruthenica* (Griseb.) Prokud.) = *Elytrigia trichophora*

{*Elytrigia ruthenica* auct. non (Griseb.) Prokud.} = *Elytrigia elongata*

**Elytrigia scythica** (Nevski) Nevski = *Elytrigia strigosa*

**Elytrigia stipifolia** (Czern. ex Nevski) Nevski

Conservation status: RDBU (2); IUCN RL (1); ERL (V).

**Elytrigia strigosa** (M.Bieb.) Nevski

*Elytrigia* × *tesquicola* (Prokud.) Prokud. & Klokov = *Elytrigia repens* × *Elytrigia trichophora*

**Elytrigia trichophora** (Link) Nevski

(*Eragrostis abissinica* (Jacq.) Link) = *Eragrostis tef*

**Eragrostis aegyptiaca** (Willd.) Delile

**Eragrostis borysthenea** Klokov = *Eragrostis suaveolens*

**Eragrostis cilianensis** (All.) Vign.-Lut. ex Janch.

**Eragrostis minor** Host

**Eragrostis multicaulis** Steud. = *Eragrostis pilosa* aggr.

**Eragrostis pectinacea** (Michx.) Nees

Note: See discussion on *Eragrostis* in Ukraine (S. Mosyakin & M. Bortnyak, 1994, Ukr. Bot. Zhurn. 51(5): 89-93).

**Eragrostis pilosa** (L.) P.Beauv.

[*Eragrostis pilosa* (L.) P.Beauv. subsp. *multicaulis* (Steud.) Tzvelev] = *Eragrostis multicaulis*

(*Eragrostis poaeoides* P.Beauv.) = *Eragrostis minor*

**Eragrostis suaveolens** A.Becker ex Claus

[*Eragrostis suaveolens* A.Becker ex Claus subsp. *borysthenea* (Schmalh.) Tzvelev] = *Eragrostis borysthenea*

\***Eragrostis tef** (Zuccagni) Trotter

**Eremopyrum orientale** (L.) Jaub. & Spach

**Eremopyrum triticeum** (P.Gaertn.) Nevski

**Eriochloa villosa** (Thunb.) Kunth

**Festuca airoides** Lam.

**Festuca altissima** All.

{Festuca amethystina auct. non L.} = Festuca inarmata

[Festuca amethystina L. subsp. inarmata (Schur) Krajina] = Festuca inarmata

**Festuca apennina** De Not.

**Festuca arietina** Klokov

**Festuca arundinacea** Schreb.

(Festuca arundinacea Schreb. subsp. orientalis (A.Kern. ex Hack.) Tzvelev) = Festuca regeliana

{Festuca arundinacea auct. non L.} = Festuca regeliana

**Festuca beckeri** (Hack.) Trautv.

(Festuca beckeri (Hack.) Trautv. subsp. polesica (Zapał.) Tzvelev) = Festuca polesica

**Festuca callieri** (Hack.) Markgr.

**Festuca carpatica** F.G.Dietr.

**Festuca cretacea** T.Pop. & Proskor.

Conservation status: RDBU (2).

**Festuca drymeja** Mert. & W.D.J.Koch

(Festuca duriuscula L., nom. ambig.) = Festuca trachyphylla

{Festuca duriuscula auct. non L.} = Festuca beckeri

(Festuca elatior L., nom. utique rej.) = Festuca pratensis

**Festuca fallax** Thuill. ~ Festuca rubra aggr.

**Festuca gigantea** (L.) Vill.

{Festuca glauca auct. non Lam.} = Festuca pallens

(Festuca glauca Lam. subsp. pallens (Host) K.Richt.) = Festuca pallens

**Festuca heterophylla** Lam.

**Festuca inarmata** Schur ~ Festuca amethystina s.l.

(Festuca laeviuscula Klokov) = Festuca beckeri

**Festuca makutrensis** Zapał.

**Festuca multiflora** Hoffm. ~ Festuca rubra aggr.

(Festuca orientalis (A.Kern. ex Hack.) V.Krecz. & Bobrov 1934, non B.Fedtsch. 1915) = Festuca regeliana

**Festuca ovina** L.

**Festuca pallens** Host

Conservation status: RDBU (2).

**Festuca picta** Kit.

**Festuca polesica** Zapał.

**Festuca polonica** Zapał. ~ Festuca rubra aggr.

**Festuca porcii** Hack.

Conservation status: RDBU (3).

**Festuca pratensis** Huds.

[*Festuca pratensis* Huds. subsp. *apennina* (De Not.) Hegi] = *Festuca apennina*

**Festuca psammophila** (Hack. ex Čelak.) Fritsch ~ *Festuca pallens*

Note: Reported for Lviv region (I. Bednarska, personal communication).

**Festuca pseudodalmatica** Krajina ex Domin ~ *Festuca valesiaca* aggr.

(*Festuca pseudorubra* Schur) = *Festuca fallax*

**Festuca pseudovina** Hack. ex Wiesb. ~ *Festuca valesiaca* aggr.

(*Festuca querceto-pinetorum* Klokov) = *Festuca polesica*

Note: According to I. Bednarska (personal communication), this taxon is represented mostly by hybrids *F. ovina* × *F. polesica*.

**Festuca regeliana** Pavl.

**Festuca rubra** L.

[*Festuca rubra* L. subsp. *fallax* (Thuill.) Nyman] = *Festuca fallax*

[*Festuca rubra* L. subsp. *multiflora* (Hoffm.) V. Jirásek] = *Festuca multiflora*

**Festuca rupicola** Heuff. ~ *Festuca valesiaca* aggr.

**Festuca saxatilis** Schur ~ *Festuca rupicola* aggr.

(*Festuca sulcata* (Hack.) Nyman) = *Festuca rupicola*

{*Festuca sulcata* auct. non (Hack.) Nyman} = *Festuca valesiaca* aggr.

(*Festuca supina* Schur) = *Festuca airoides*

(*Festuca sylvatica* (Pollich) Vill. 1786. non Huds. 1762) = *Festuca altissima*

**Festuca taurica** (Hack.) A. Kern. ex Trautv.

**Festuca tenuifolia** Sibth.

**Festuca trachyphylla** (Hack.) Krajina

{*Festuca vaginata* auct. non Waldst. & Kit.} = *Festuca pallens*.

**Festuca valesiaca** Gaudin

{*Festuca varia* auct. non Haenke} = *Festuca versicolor*

**Festuca versicolor** Tausch

[*Festuca wolgensis* P. Smir. subsp. *arietina* (Klokov) Tzvelev] = *Festuca arietina*

**Gaudinia fragilis** (L.) P. Beauv.

**Gaudinopsis macra** (Steven ex M. Bieb.) Eig

(*Glyceria aquatica* (L.) Wahlenb.) = *Glyceria maxima*

(*Glyceria aquatica* (L.) J. Presl & C. Presl) = *Catabrosa aquatica*

**Glyceria arundinacea** Kunth

**Glyceria fluitans** (L.) R. Br.

?**Glyceria lithuanica** (Gorski) Gorski

Note: No records from Ukraine available. However, the species may be expected in the northwestern part of Ukraine.

**Glyceria maxima** (C. Hartm.) Holmberg

**Glyceria nemoralis** (Uechtr.) Uechtr. & Körn.

(*Glyceria nervata* (Willd.) Trin.) = *Glyceria striata*

***Glyceria notata*** Chevall.

?***Glyceria* × *pedicellata*** F.Towns. = *Glyceria fluitans* × *Glyceria notata*

Note: Can be expected in Ukraine elsewhere within the ranges of its parental species.

(*Glyceria plicata* (Fr.) Fr.) = *Glyceria notata*

(*Glyceria rigida* (Rydb.) Rydb.) = *Glyceria striata*

***Glyceria striata*** (Lam.) Hitchc.

(*Haynaldia villosa* (L.) Schur) = *Dasypyrum villosum*

[*Heleochloa alopecuroides* (Piller & Mitterp.) Host ex Roem.] = *Crypsis alopecuroides*

[*Heleochloa schoenoides* (L.) Host ex Roem.] = *Crypsis schoenoides*

{*Helictotrichon alpinum* auct. non (Smith) Fritsch} = *Helictotrichon praeustum*

(*Helictotrichon besseri* (Griseb.) Klovov) = *Helictotrichon desertorum*

***Helictotrichon compressum*** (Heuff.) Henrard

***Helictotrichon desertorum*** (Less.) Nevski

***Helictotrichon planiculme*** (Schrud.) Pilg.

***Helictotrichon praeustum*** (Rchb.) Tzvelev

{*Helictotrichon pratense* auct. non (L.) Besser} = *Helictotrichon praeustum*

***Helictotrichon pubescens*** (Huds.) Pilg.

***Helictotrichon schellianum*** (Hack.) Kitag.

(*Helictotrichon tauricum* Prokud.) = *Helictotrichon compressum*

***Helictotrichon versicolor*** (Vill.) Pilg.

***Hierochloë australis*** (Schrud.) Roem. & Schult.

***Hierochloë odorata*** (L.) P.Beauv.

(*Hierochloë odorata* (L.) P.Beauv. subsp. *pannonica* Chrtek & V.Jirásek) = *Hierochloë repens*

***Hierochloë repens*** (Host) P.Beauv.

(*Hierochloë stepporum* P.Smirn.) = *Hierochloë repens*

***Holcus lanatus*** L.

***Holcus mollis*** L.

***Hordelymus europaeus*** (L.) Jessen ex C.O.Harz

***Hordeum bulbosum*** L.

\****Hordeum distichon*** L.

***Hordeum geniculatum*** All.

***Hordeum glaucum*** Steud.

(*Hordeum gussoneanum* Parl.) = *Hordeum geniculatum*

(*Hordeum hystrix* Roth) = *Hordeum geniculatum*



**Hordeum jubatum** L.

**Hordeum leporinum** Link

**Hordeum murinum** L.

[*Hordeum murinum* L. subsp. *leporinum* (Link) Arcang.] = *Hordeum leporinum*

[*Hordeum murinum* L. subsp. *glaucum* (Steud.) Tzvelev] = *Hordeum glaucum*

{*Hordeum nodosum* auct. non L.} = *Hordeum secalinum*

?**Hordeum secalinum** Schreb.

Note: The only record from Ukraine (Crimea, near Balaklava) needs confirmation.

**\*Hordeum vulgare** L.

(*Kengia bulgarica* (Bornm.) Packer) = *Cleistogenes bulgarica*

(*Kengia maeotica* (Klokov & Zoz) Packer) = *Cleistogenes bulgarica*

(*Kengia serotina* (L.) Packer) = *Cleistogenes serotina*

(*Kengia squarrosa* (Trin.) Packer) = *Cleistogenes squarrosa*

**Koeleria biebersteinii** M.Kaleniczenko

Conservation status: ERL (1).

(*Koeleria borystenica* Klokov) = *Koeleria sabuletorum*

**Koeleria brevis** Steven

**Koeleria cristata** (L.) Pers.

Note: In recent European literature the name *K. cristata* is usually regarded as nom.

illeg.; the name *K. macrantha* (Ledeb.) Schult. is usually accepted for the species.

However, N. Tzvelev placed *K. macrantha* in the synonymy of *K. cristata* subsp. *mongolica* (Domin) Tzvelev, and supported the name *K. cristata* s.str. for the European species (see Prokudin & al., 1977).

(*Koeleria degenii* Domin) = *Koeleria brevis*

**Koeleria delavignei** Czern. ex Domin

**Koeleria glauca** (Spreng.) DC.

[*Koeleria glauca* (Spreng.) DC. subsp. *sabuletorum* Domin] = *Koeleria sabuletorum*

(*Koeleria gracilis* Pers., nom. illeg.) = *Koeleria cristata*

**Koeleria grandis** Besser ex Gorski

**Koeleria lobata** (M.Bieb.) Roem. & Schult.

{*Koeleria macrantha* auct. non (Ledeb.) Schult.} = *Koeleria cristata*

**Koeleria moldavica** M.Alexeenko

Conservation status: ERL (1).

(*Koeleria montana* (Hausm.) Dalla Torre) = *Koeleria pyramidata*

(*Koeleria polonica* Domin) = *Koeleria grandis*

**Koeleria pyramidata** (Lam.) P.Beauv.

Note: Reported from the Carpathians (see Tasenkevich, 1998).

**Koeleria sabuletorum** (Domin) Klokov

**Koeleria talievii** Lavrenko

Conservation status: RDBU (2).

(*Koeleria theodoriana* Klokov, nom. inval.) = *Koeleria lobata*

***Koeleria taurica*** M.Kaleniczenko

?***Koeleria transsilvanica*** Schur

Note: Reported from the Carpathians (see Tasenkevich, 1998).

(*Lasiagrostis bromoides* (L.) Nevski & Roshev.) = *Achnatherum bromoides*

***Leersia oryzoides*** (L.) Sw.

(*Lepturus incurvus* (L.) Trin.) = *Parapholis incurva*

(*Lerchenfeldia flexuosa* (L.) Schur) = *Avenella flexuosa*

(*Lerchenfeldia flexuosa* (L.) Schur subsp. *montana* (L.) Tzvelev) = *Avenella flexuosa* subsp. *montana*

***Leymus arenarius*** (L.) Hochst.

***Leymus racemosus*** (Lam.) Tzvelev

***Leymus ramosus*** (Trin.) Tzvelev

***Leymus sabulosus*** (M.Bieb.) Tzvelev

***Lolium arvense*** With. ~ *Lolium temulentum* s.l.

***Lolium* × *hybridum*** Hausskn. = *Lolium multiflorum* × *Lolium perenne*

(*Lolium italicum* A.Br.) = *Lolium multiflorum*

***Lolium loliaceum*** (Bory & Chaub.) Hand.-Mazz.

(*Lolium marschallii* Steven) = *Lolium perenne*

***Lolium multiflorum*** Lam.

***Lolium perenne*** L.

[*Lolium perenne* L. subsp. *rigidum* (Gaudin) A.Löve & D.Löve] = *Lolium rigidum*

***Lolium persicum*** Boiss. & Hohen.

***Lolium remotum*** Schrank

***Lolium rigidum*** Gaudin

(*Lolium speciosum* M.Bieb.) = *Lolium arvense*

***Lolium temulentum*** L.

[*Lolium temulentum* L. subsp. *arvense* (With.) Tzvelev] = *Lolium arvense*

[*Lolium temulentum* L. subsp. *remotum* (Schrank) A.Löve & D.Löve] = *Lolium remotum*

(*Lophochloa cristata* (L.) Hyl.) = *Rostraria cristata*

***Melica altissima*** L.

***Melica chrysolepis*** Klokov ~ *Melica transsilvanica*

Conservation status: ERL (I).

***Melica ciliata*** L.

[*Melica ciliata* L. subsp. *monticola* (Prokud.) Tzvelev] = *Melica monticola*

[*Melica ciliata* L. subsp. *taurica* (K.Koch) Tzvelev] = *Melica taurica*

[*Melica ciliata* L. subsp. [transsilvanica (Schur) Čelak.] = *Melica transsilvanica*  
 {*Melica flavescens* auct. non Simonk.} = *Melica chrysolepis*  
 (*Melica glauca* F.Schultz) = *Melica ciliata*  
***Melica monticola* Prokud.**  
***Melica nutans* L.**  
 (*Melica nutans* L. subsp. *picta* (K.Koch) Schinz & R.Keller) = *Melica picta*  
***Melica picta* K.Koch**  
 (*Melica simulans* Klokov) = *Melica ciliata*  
***Melica taurica* K.Koch**  
 (*Melica taurica* K.Koch subsp. *monticola* (Prokud.) Prokud.) = *Melica monticola*  
***Melica transsilvanica* Schur**  
 [*Melica transsilvanica* Schur subsp. *klokovii* Tzvelev] = *Melica chrysolepis*  
***Melica uniflora* Retz.**

***Milium effusum* L.**  
***Milium vernale* M.Bieb.**

?***Molineriella laevis* (Brot.) Rouy**  
 Note: Reported from Crimea; probably mislabelled?

?***Molinia arundinacea* Schrank**  
 Note: Records from Ukraine (as *M. litoralis*) need confirmation.  
***Molinia caerulea* (L.) Moench**  
***Molinia euxina* Pobed. ~ *Molinia caerulea***  
 (*Molinia litoralis* Host) = *Molinia arundinacea*

***Monerma cylindrica* (Willd.) Coss. & Durieu**

***Nardurus krausei* (Regel) V.Krecz. & Bobrov**  
 {*Nardurus maritimus* auct. non (L.) Murb.} = *Nardurus krausei*  
 [*Nardurus maritimus* (L.) Murb. subsp. *aristatus* (W.D.J.Koch) Tzvelev] = *Nardurus krausei*  
 (*Nardurus maritimus* (L.) Murb. subsp. *krausei* (Regel) Tzvelev) = *Nardurus krausei*  
 (*Nardurus tenuiflorus* (Schrader) Boiss.) = *Nardurus krausei*

(*Nardus glabriculumis* Sakalo) = *Nardus stricta*  
***Nardus stricta* L.**

***Oreochloa disticha* (Wulfen) Link**  
 Conservation status: RDBU (1).

**\**Oryza sativa* L.**

*Dryzopsis holciformis* (M.Bieb.) Hack.) = *Piptatherum holciforme*

*Dryzopsis virescens* (Trin.) G.Beck) = *Piptatherum virescens*

*anicum acuminatum* Sw.

Note: A rare alien species reported from Transcarpathia (Fodor, 1974), as *P. huachucae*.

*anicum barbipulvinatum* Nash ~ *Panicum capillare*

*anicum capillare* L.

*Panicum capillare* L. subsp. *barbipulvinatum* (Nash) Tzvelev] = *Panicum barbipulvinatum*

*anicum dichotomiflorum* Michx.

Note: A rare casual alien first collected in Kiev in 1989.

*Panicum huachucae* Ashe) = *Panicum acuminatum*

*Panicum lanuginosum* Elliott) = *Panicum acuminatum*

! *Panicum miliaceum* L.

*Panicum miliaceum* L. subsp. *ruderales* (Kitag.) Tzvelev

*Parapholis incurva* (L.) C.E.Hubb.

*Paspalum paspalodes* (Michx.) Scribn.

\* *Pennisetum americanum* (L.) Leake

{*Pennisetum glaucum* auct. non (L.) R.Br., excl. typo} = *Pennisetum americanum*

(*Phalaris arundinacea* L.) = *Phalaroides arundinacea*

\*! *Phalaris canariensis* L.

*Phalaris minor* Retz.

*Phalaroides arundinacea* (L.) Rausch.

*Phleum alpinum* L.

*Phleum ambiguum* Ten.

*Phleum arenarium* L.

*Phleum bertolonii* DC. ~ *Phleum pratense*

*Phleum hirsutum* Honck.

[*Phleum hirsutum* Honck. subsp. *ambiguum* (Ten.) Tzvelev] = *Phleum ambiguum*

(*Phleum michelii* All.) = *Phleum hirsutum*

*Phleum montanum* K.Koch

(*Phleum nodosum* L.) = *Phleum pratense*

{*Phleum nodosum* auct. non L.} = *Phleum bertolonii*

*Phleum paniculatum* Huds.

*Phleum phleoides* (L.) H.Karst.

[*Phleum phleoides* (L.) H.Karst. subsp. *montanum* (K.Koch) Tzvelev] = *Phleum montanum*

**Phleum pratense** L.

[*Phleum pratense* L. subsp. *bertolonii* (DC.) Bornm.] = *Phleum bertolonii*

(*Phleum pratense* L. subsp. *nodosum* (L.) Arcang.) = *Phleum pratense*

{*Phleum pratense* L. subsp. *nodosum* auct. non (L.) Arcang.} = *Phleum bertolonii*

**Phleum subulatum** (Savi) Asch. & Graebn.

(*Phleum tenue* (Host) Schrad.) = *Phleum subulatum*

[*Pholiurus incurvus* (L.) Schintz & Thell.] = *Parapholis incurva*

**Pholiurus pannonicus** (Host) Trin.

**Phragmites altissimus** (Benth.) Nabile ~ *Phragmites australis*

**Phragmites australis** (Cav.) Trin. ex Steud.

[*Phragmites australis* (Cav.) Trin. ex Steud. subsp. *altissimus* (Benth.) W. Clayton] =

*Phragmites altissimus*

(*Phragmites australis* (Cav.) Trin. ex Steud. subsp. *pseudodonax* (Rabenh.) Rauschert) =

*Phragmites altissimus*

(*Phragmites communis* Trin.) = *Phragmites australis*

(*Phragmites communis* Trin. subsp. *pseudodonax* (Rabenh.) Rothm. ex Tzvelev) =

*Phragmites altissimus*

**\*Phyllostachys aurea** A. Rivière & C. Rivière

**\*Phyllostachys bambusoides** Siebold & Zucc.

**\*Phyllostachys flexuosa** A. Rivière & C. Rivière

(*Phyllostachys mitis* (Carrière) A. Rivière & C. Rivière) = *Phyllostachys viridis*

**\*Phyllostachys nigra** (Lodd.) Munro

**\*Phyllostachys viridi-glaucescens** (Carrière) A. Rivière & C. Rivière

**\*Phyllostachys viridis** (Young) McClure

Note: Species of *Phyllostachys* are cultivated in the Crimean South Coast.

**Piptatherum holciforme** (M. Bieb.) Roem. & Schult.

**Piptatherum virescens** (Trin.) Boiss.

**\*Pleioblastus distichus** (Mitford) Nakai

**\*Pleioblastus gramineus** (Bean) Nakai

**\*Pleioblastus simonii** (Carrière) Nakai

Note: Species of *Pleioblastus* are cultivated in S Crimea.

**Poa alpina** L.

**Poa angustifolia** L.

**Poa annua** L.

**Poa balfourii** Parn. ~ *Poa glauca* s.l.

**Poa biebersteinii** H. Pojark.

**Poa bulbosa** L.

{*Poa cenisia* auct. non All.} = *Poa deyllii*

**Poa chaixii** Vill.

**Poa compressa** L.

**Poa deyllii** Chrtek & V.Jirásek

Conservation status: RDBU (2).

**Poa erythropoda** Klokov ~ *Poa versicolor*

**Poa fagetorum** P.Smirn. ~ *Poa longifolia*

{*Poa glauca* auct. non Vahl.} = *Poa balfourii*

{*Poa granitica* auct. non Braun-Blanq.} = *Poa deyllii*

**Poa hybrida** Gaudin

**Poa hypanica** Prokud. ~ *Poa nemoralis*

**Poa infirma** Kunth ~ *Poa annua* aggr.

(*Poa janczewskii* Zapal.) = *Poa palustris*

{*Poa laxa* auct. non Haenke} = *Poa media*

**Poa longifolia** Trin.

[*Poa longifolia* Trin. subsp. *fagetorum* (P.Smirn.) Tzvelev] = *Poa fagetorum*

**Poa media** Schur

**Poa nemoralis** L.

(*Poa nemoralis* L. subsp. *carpatica* V.Jirásek) = *Poa balfourii*

[*Poa nemoralis* L. subsp. *hypanica* (Prokud.) Tzvelev] = *Poa hypanica*

**Poa palustris** L.

(*Poa palustris* L. subsp. *volhynensis* (Klokov) Tzvelev s.str.) = *Poa turfosa*

{*Poa palustris* L. subsp. *volhynensis* (Klokov) Tzvelev sensu Tzvelev} = *Poa palustris*

(*Poa pinetorum* Klokov, nom. inval.) = *Poa turfosa*

(*Poa podolica* (Asch. & Graebn.) Blocki ex Zapal.) = *Poa versicolor*

(*Poa polonica* Blocki) = *Poa versicolor*

**Poa pratensis** L.

[*Poa pratensis* L. subsp. *angustifolia* (L.) Gaudin] = *Poa angustifolia*

**Poa rehmannii** (Asch. & Graebn.) Wol.

Conservation status: ERL (I).

**Poa remota** Forselles

(*Poa serotina* Ehrh.) = *Poa palustris*

{*Poa stepposa* auct. non (Kryl.) Roshev.} = *Poa erythropoda*

**Poa sterilis** M.Bieb.

[*Poa sterilis* M.Bieb. subsp. *biebersteinii* (H.Pojark.) Tzvelev] = *Poa biebersteinii*

**Poa supina** Schrad. ~ *Poa annua* aggr.

**Poa sylvicola** Guss.

**Poa taurica** H.Pojark.

**Poa trivialis** L.

[*Poa trivialis* L. subsp. *sylvicola* (Guss.) Lindb.f.] = *Poa sylvicola*

**Poa turfosa** Litv.

**Poa versicolor** Besser

Conservation status: RDBU (4).

[*Poa versicolor* Besser subsp. *erythropoda* (Klokov) Tzvelev] = *Poa erythropoda*

[*Poa violacea* Bellardi] = *Bellardiochloa violacea*

(*Poa volhynensis* Klokov) = *Poa turfosa*

**Polypogon monspeliensis** (L.) Desf.

(*Polypogon semiverticillatus* (Forssk.) Hyl.) = *Polypogon viridis*

**Polypogon viridis** (Gouan) Breistr.

**Psathyrostachys juncea** (Fisch.) Nevski

**\*Pseudosasa japonica** (Siebold & Zucc. ex Steud.) Makino ex Nakai

Note: Cultivated in parks and gardens of the Crimean South Coast.

(*Psilurus aristatus* (L.) Lange) = *Psilurus incurvus*

**Psilurus incurvus** (Gouan) Schinz & Thell.

**Puccinellia bilykiana** Klokov

**Puccinellia brachylepis** Klokov ~ *Puccinellia gigantea* aggr.

**Puccinellia distans** (Jacq.) Parl.

[*Puccinellia dolicholepis* V.Krecz. subsp. *fominii* (Bilyk) Tzvelev] = *Puccinellia fominii*

**Puccinellia fominii** Bilyk

{*Puccinellia gigantea* auct. non (Grossh.) Grossh.} = *Puccinellia brachylepis* & *Puccinellia limosa*

**Puccinellia hauptiana** V.Krecz.

Note: A rare casual alien known from Kiev. See discussion on *Puccinellia* in Ukraine  
(S. Mosyakin, 1992, Ukr. Bot. Zhurn. 49(1): 11-14).

**Puccinellia limosa** (Schur) E.Holmb.

**Puccinellia nuttalliana** (Schult.) A.S.Hitchc.

Note: A rare casual alien (one collection from Kiev).

**Puccinellia poecilantha** (K.Koch) Grossh.

Note: A rare casual alien (one collection from Kiev).

(*Puccinellia pseudobulbosa* (Nyár.) Nyár. ex Prodán) = *Puccinellia fominii*

(*Puccinellia pseudoconvoluta* Klokov) = *Puccinellia distans*

**Puccinellia syvaschica** Bilyk

Conservation status: ERL (R).

**Puccinellia tenuissima** Litv. ex V.Krecz.

Note: A rare casual alien (one collection from Kiev).

[*Roegneria canina* (L.) Nevski] = *Elymus caninus*

[*Roegneria panormitana* (Parl.) Nevski] = *Elymus panormitanus*

[*Roegneria trachycaulon* (Link) Nevski] = *Elymus trachycaulus*

***Rostraria cristata* (L.) Tzvelev**

***Sclerochloa dura* (L.) P.Beauv.**

***Scleropoa rigida* (L.) Griseb.**

***Scolochloa festuacea* (Willd.) Link**

**\**Secale cereale* L.**

(*Secale fragile* M.Bieb.) = *Secale sylvestre*

***Secale sylvestre* Host**

(*Sesleria bielzii* Schur) = *Sesleria coerulans*

***Sesleria coerulans* Friv.**

(*Sesleria disticha* (Wulfen) Pers.) = *Oreochloa disticha*

***Sesleria heufleriana* Schur**

***Setaria adhaerens* (Forssk.) Chiov.**

Note: A rare casual alien (two collection from Kiev). See discussion on *Setaria* in Ukraine (S. Mosyakin, 1989, Ukr. Bot. Zhurn. 46(5): 33-35).

(*Setaria ambigua* (Guss.) Guss. 1845, non Mérat 1836) = *Setaria verticilliformis*

(*Setaria decipiens* K.F.Schimp. ex Mansf.) = *Setaria verticilliformis*

***Setaria faberi* F.Herrmann**

(*Setaria germanica* (Mill.) P.Beauv.) = *Setaria italica*

***Setaria glauca* (L.) P.Beauv.**

(*Setaria gussonei* Kerguélen) = *Setaria verticilliformis*

**\*!*Setaria italica* (L.) P.Beauv.**

(*Setaria lutescens* (Weigel) F.T.Hubb.) = *Setaria glauca*

(*Setaria macrocarpa* Lucznik) = *Setaria faberi*

(*Setaria pumila* (Poir.) Roem. & Schult.) = *Setaria glauca*

(*Setaria purpurascens* Opiz) = *Setaria viridis*

***Setaria pycnocomma* (Steud.) Henrard ex Nakai**

***Setaria verticillata* (L.) P.Beauv.**

[*Setaria verticillata* (L.) P.Beauv. subsp. *aparine* (Steud.) Durand & Schintz] = *Setaria adhaerens*

***Setaria verticilliformis* Dumort.**

***Setaria viridis* (L.) P.Beauv.**

[*Setaria viridis* (L.) P.Beauv. subsp. *pycnocomma* (Steud.) Tzvelev] = *Setaria pycnocomma*

(*Setaria weinmannii* Roem. & Schult.) = *Setaria viridis*



**Sieglingia decumbens** (L.) Bernh.

**Sieglingia decumbens** (L.) Bernh. subsp. *decipiens* O.Schwarz & Bässler

\***Sinarundinaria nitida** (Mitford ex Stapf) Nakai

Note: Cultivated in gardens of the Crimean South Coast.

\***Sorghum** × **almum** Parodi = *Sorghum halepense* × *Sorghum sudanense*

\***Sorghum bicolor** (L.) Moench

\***Sorghum cernuum** (Ard.) Host

(*Sorghum dochna* (Forssk.) Snowden) = *Sorghum saccharatum*

*Sorghum halepense* (L.) Pers.

\***Sorghum saccharatum** (L.) Moench

\***Sorghum sudanense** (Piper) Stapf

(*Sorghum vulgare* Pers.) = *Sorghum cernuum*

**Stipa adoxa** Klokov & Ossyczjuk ~ *Stipa syreistschikowii*

Conservation status: RDBU (1).

**Stipa anomala** P.Smirn. ex Roshev.

Conservation status: RDBU (1); IUCN RL (1); ERL (V).

**Stipa asperella** Klokov & Ossyczjuk

Conservation status: RDBU (2).

**Stipa borysthenea** Klokov ex Prokudin

Conservation status: RDBU (2).

**Stipa brachyptera** Klokov ~ *Stipa syreistschikowii*

Conservation status: RDBU (1).

**Stipa brauneri** (Pacz.) Klokov ~ *Stipa lessingiana*

Conservation status: RDBU (2).

**Stipa capillata** L.

Conservation status: RDBU (3).

**Stipa dasyphylla** (Czern. ex Lindem.) Trautv.

Conservation status: RDBU (2); IUCN RL (R).

**Stipa disjuncta** Klokov ~ *Stipa pennata*

Conservation status: RDBU (2).

**Stipa donetzica** Czupryna

**Stipa fallacina** Klokov & Ossyczjuk

Conservation status: RDBU (1).

[*Stipa glabrinoda* Klokov] = *Stipa oreades* var. *glabrinoda*

(*Stipa grafiana* Steven) = *Stipa pulcherrima*

**Stipa granitcola** Klokov ~ *Stipa borysthenea*

Conservation status: RDBU (2).

**Stipa heterophylla** Klokov ~ *Stipa pulcherrima*

Conservation status: RDBU (3).

(*Stipa joannis* Čelak.) = *Stipa pennata*

(*Stipa karadagensis* Klokov, nom. inval.) = *Stipa pulcherrima* s.l.

Note: *Stipa karadagensis* has been described by Klokov as "nomen provis.", without a Latin diagnosis.

***Stipa lessingiana*** Trin. & Rupr.

Conservation status: RDBU (2).

[*Stipa lessingiana* Trin. & Rupr. subsp. *brauneri* Pacz.] = *Stipa brauneri*

***Stipa lithophila*** P.Smirn.

Conservation status: RDBU (3); IUCN RL (R); ERL (R).

***Stipa maeotica*** Klokov & Ossyczynjuk

Conservation status: RDBU (2).

***Stipa majalis*** Klokov ~ *Stipa pulcherrima*

Conservation status: RDBU (1), including *Stipa setulosissima*.

***Stipa majalis*** Klokov var. *setulosissima* (Klokov) Tzvelev

***Stipa martinovskyi*** Klokov ~ *Stipa zalesskii*

Conservation status: RDBU (1).

***Stipa oreades*** Klokov ~ *Stipa pulcherrima*

Conservation status: RDBU (2), including *Stipa glabrinoda*.

***Stipa oreades*** Klokov var. *glabrinoda* (Klokov) Dubovik

***Stipa pennata*** L.

Conservation status: RDBU (2).

(*Stipa pennata* L. subsp. *sabulosa* (Pacz.) Tzvelev) = *Stipa borysthenica*

***Stipa poëtica*** Klokov ~ *Stipa pontica*

Conservation status: RDBU (3).

{*Stipa pontica* auct. non P.Smirn.} = *Stipa poetica* & *Stipa heterophylla*

***Stipa pulcherrima*** K.Koch

Conservation status: RDBU (2), as *Stipa grafiانا*.

(*Stipa rubens* P.Smirn.) = *Stipa zalesskii*

(*Stipa rubens* P.Smirn. subsp. *sublaevis* Martinovsky) = *Stipa martinovskyi*

(*Stipa rubentiformis* P.Smirn.) = *Stipa zalesskii*

{*Stipa rubentiformis* auct. non P.Smirn.} = *Stipa maeotica*

(*Stipa sabulosa* (Pacz.) Sljussar.) = *Stipa borysthenica*

[*Stipa setulosissima* Klokov] = *Stipa majalis* var. *setulosissima*

(*Stipa stenophylla* (Czern. ex Lindem.) Trautv.) = *Stipa tirsia*

***Stipa syreistschikowii*** P.Smirn.

Conservation status: RDBU (1); IUCN RL (1).

***Stipa tirsia*** Steven

Conservation status: RDBU (2).

***Stipa transcarpatica*** Klokov ~ *Stipa pulcherrima*

Conservation status: RDBU (1).

***Stipa ucrainica*** P.Smirn.

Conservation status: RDBU (2).

(*Stipa ucranensis* Lam.) = *Stipa capillata*

**Stipa zalesskii** Wilensky

Conservation status: RDBU (2); IUCN RL (R); ERL (I).

[*Stipa zalesskii* Wilensky subsp. *ucrainica* (P.Smirn.) Tzvelev] = *Stipa ucrainica*

**Taeniatherum asperum** (Simonk.) Nevski

[*Taeniatherum caput-medusae* (L.) Nevski subsp. *asperum* (Simonk.) Melderis] =

*Taeniatherum asperum*

[*Taeniatherum caput-medusae* (L.) Nevski subsp. *crinitum* (Schreb.) Melderis] =

*Taeniatherum crinitum*

**Taeniatherum crinitum** (Schreb.) Nevski

**Trachynia distachya** (L.) Link

**Tragus racemosus** (L.) All.

(*Trisetaria cristata* (L.) Kerguelen) = *Rostraria cristata*

**Trisetum alpestre** (Host) P.Beauv.

{*Trisetum carpaticum* auct. non Roem. & Schult.} = *Trisetum ciliare*

**Trisetum ciliare** (Kit.) Domin

**Trisetum flavescens** (L.) P.Beauv.

**Trisetum flavescens** (L.) P.Beauv. subsp. *tatricum* Chrtk

(*Trisetum fuscum* Roem. & Schult.) = *Trisetum ciliare*

**Trisetum macrotrichum** Hack.

(*Trisetum pratense* Pers.) = *Trisetum flavescens*

**Trisetum rigidum** (M.Bieb.) Roem. & Schult.

**Trisetum sibiricum** Rupr.

**\*Triticum aestivum** L.

**Triticum boeoticum** Boiss.

Conservation status: RDBU (2).

**\*Triticum durum** Desf.

Note: Several other species were cultivated in Ukraine in the past: *Triticum dicoccon*

(Schrank) Schuebl., *T. monococcum* L., *T. polonicum* L., *T. spelta* L., *T. turgidum* L.

(*Triticum thaoudar* Reut. ex Hausskn.) = *Triticum boeoticum*

(*Typhoides arundinacea* (L.) Moench) = *Phalaroides arundinacea*

**Ventenata dubia** (Leers) Coss.

**Vulpia bromoides** (L.) S.F.Gray

**Vulpia ciliata** Dumort.

**Vulpia myuros** (L.) C.C.Gmel.

**\*Zea mays** L.

(*Zerna benekenii* (Lange) Lindm.) = *Bromopsis benekenii*  
 (*Zerna erecta* (Huds.) S.F.Gray) = *Bromopsis erecta*  
 (*Zerna gussonii* (Parl.) Grossh.) = *Anisantha diandra*  
 (*Zerna heterophylla* Klokov) = *Bromopsis heterophylla*  
 (*Zerna inermis* (Leyss.) Lindm.) = *Bromopsis inermis*  
 (*Zerna madritensis* (L.) S.F.Gray) = *Anisantha madritensis*  
 (*Zerna tectorum* (L.) Panz.) = *Anisantha tectorum*

?***Zingeria biebersteiniana*** (Claus) P.Smirn.

Conservation status: RDBU (0); IUCN RL (I).

Note: Occurrence of this species in Crimea needs confirmation.

\*!***Zizania aquatica*** L.

(*Zizania dahurica* Turcz. ex Steud.) = *Zizania latifolia*

\*!***Zizania latifolia*** (Griseb.) Stapf

## **FAMILY Pontederiaceae**

***Monochoria korsakowii*** Regel & Maack

## **FAMILY Potamogetonaceae**

(*Coleogeton pectinatus* (L.) Dostál, comb. inval.) = *Potamogeton pectinatus*

[*Coleogeton pectinatus* (L.) D.H.Les & R.R.Haynes] = *Potamogeton pectinatus*

Note: See D.H. Les & R.R. Haynes (1996, Novon 6(4): 389-391).

***Potamogeton acutifolius*** Link

***Potamogeton alpinus*** Balb.

***Potamogeton berchtoldii*** Fieber ~ *Potamogeton pusillus* aggr.

***Potamogeton biformis*** Hagstr. ~ *Potamogeton gramineus*

Note: According to A. Maemets (1979, Fl. Partis Europ. URSS 4: 182), some plants of the *P. gramineus* aggregate from the Lower Dnieper area are probably conspecific with *P. biformis*; records from Kakhovka were recently confirmed by V. Lanchenkov (1997, Bot. Zhurn. 82(7): 65-76).

***Potamogeton compresus*** L.

***Potamogeton crispus*** L.

***Potamogeton* × *decipiens*** Nolte. = *Potamogeton lucens* × *Potamogeton perfoliatus*

Note: Hybrids in *Potamogeton* are insufficiently known in Ukraine. Only rather common or confirmed for Ukraine hybrids are listed here. Many other hybrids are known from adjacent territories.

***Potamogeton* × *fluitans*** Roth = *Potamogeton lucens* × *Potamogeton natans*

***Potamogeton friesii*** Rupr.

***Potamogeton gramineus*** L.

**Potamogeton heterophyllus** Schreber ~ *Potamogeton gramineus*

Note: See discussion on *P. gramineus* s.l. (V. Lanchenkov, 1997, Bot. Zhurn. 82(7):65-76).

{*Potamogeton interruptus* auct. non Kit.} = *Potamogeton pectinatus*

(*Potamogeton lithuanicus* Gorski) = *Potamogeton* × *decipiens*

**Potamogeton lucens** L.

**Potamogeton natans** L.

**Potamogeton** × **nitens** Weber = *Potamogeton gramineus* × *Potamogeton perfoliatus*

**Potamogeton nodosus** Poir.

**Potamogeton obtusifolius** Mert. & W.D.J.Koch

**Potamogeton pectinatus** L.

**Potamogeton perfoliatus** L.

**Potamogeton praelongus** Wulfen

**Potamogeton pusillus** L.

{*Potamogeton pusillus* sensu Juz., non L.} = *Potamogeton berchtoldii*

**Potamogeton rutilus** Wolfg.

(*Potamogeton* × *salicifolius* Wolfg.) = *Potamogeton* × *nitens*

**Potamogeton sarmaticus** Maemets

?**Potamogeton** × **sparganiifolius** Laest. = *Potamogeton gramineus* × *Potamogeton natans*

(*Potamogeton* × *sterilis* Hagstr.) = *Potamogeton* × *fluitans*

**Potamogeton trichoides** Cham. & Schlecht.

**Potamogeton** × **zizii** Mert. & W.D.J.Koch = *Potamogeton gramineus* × *Potamogeton lucens*

(*Potamogeton zosterifolius* Schum.) = *Potamogeton compresus*

## **FAMILY Ruppiaceae**

**Ruppia cirrhosa** (Petagna) Grande

**Ruppia maritima** L.

[*Ruppia maritima* L. subsp. *spiralis* (L. ex Dumort.) Asch. & Graebn.] = *Ruppia cirrhosa*

(*Ruppia spiralis* L. ex Dumort.) = *Ruppia cirrhosa*

## **FAMILY Ruscaceae**

{*Ruscus aculeatus* auct. non L.} = *Ruscus ponticus* s.str.

\***Ruscus colchicus** P.F.Yeo

**Ruscus hypoglossum** L.

Conservation status: RDBU (2).

{*Ruscus hypophyllum* auct. non L.} = *Ruscus colchicus*

**Ruscus ponticus** Woronow ex Grossh. ~ *Ruscus aculeatus*

## **FAMILY Scheuchzeriaceae**

**Scheuchzeria palustris** L.

Conservation status: RDBU (1).

## **FAMILY Sparganiaceae**

(*Sparganium affine* Schnitzl.) = *Sparganium angustifolium*

***Sparganium angustifolium*** Michx.

Note: In Ukraine reported only from Transcarpathia; needs confirmation.

***Sparganium emersum*** Rehman

***Sparganium erectum*** L.

[*Sparganium erectum* L. subsp. *microcarpum* (Newman) Domin] = *Sparganium microcarpum*

[*Sparganium erectum* L. subsp. *neglectum* (Beeby) K.Richt.] = *Sparganium neglectum*

***Sparganium microcarpum*** (Newman) Čelak.

***Sparganium minimum*** Wallr.

(*Sparganium natans* L., nom. ambig.) = *Sparganium minimum*

***Sparganium neglectum*** Beeby

(*Sparganium polyedrum* (Asch. & Graebn.) Juz.) = *Sparganium erectum*

(*Sparganium ramosum* Huds.) = *Sparganium erectum*

(*Sparganium ramosum* Huds. subsp. *polyedrum* Asch. & Graebn.) = *Sparganium erectum*

(*Sparganium simplex* Huds.) = *Sparganium emersum*

## **FAMILY Trilliaceae**

***Paris quadrifolia*** L.

## **FAMILY Typhaceae**

(*Typha angustata* Bory & Chaub.) = *Typha domingensis*

***Typha angustifolia*** L.

(*Typha australis* Schum. & Thonn.) = *Typha domingensis*

***Typha caspica*** Pobed. ~ *Typha laxmannii*

***Typha domingensis*** Pers.

***Typha foveolata*** Pobed. ~ *Typha angustifolia*

***Typha grossheimii*** Pobed. ~ *Typha domingensis*

***Typha latifolia*** L.

[*Typha latifolia* L. subsp. *schuttleworthii* (W.D.J.Koch & Sond.) Stoj. & Stef.] = *Typha schuttleworthii*

***Typha laxmannii*** Lepech.

***Typha minima*** Funk

(*Typha pontica* Klokov f. & A.Krasnova) = *Typha angustifolia*

(*Typha salgirica* A.Krasnova) = *Typha domingensis*

***Typha schuttleworthii*** W.D.J.Koch & Sond.

*Typha sibirica* A.Krasnova ~ *Typha latifolia*  
(*Typha stenophylla* Fisch. & C.A.Mey.) = *Typha laxmannii*  
(*Typha zerovii* Klovov f. & A.Krasnova) = *Typha laxmannii*

## **FAMILY Zannichelliaceae**

(*Zannichellia dentata* Willd.) = *Zannichellia palustris* subsp. *polycarpa*  
(*Zannichellia major* Boenn.) = *Zannichellia palustris* subsp. *polycarpa*  
(*Zannichellia marina* Niels.) = *Zannichellia palustris* subsp. *polycarpa*  
***Zannichellia palustris* L.**  
(*Zannichellia palustris* L. subsp. *major* (C.Hartm.) Ooststr. & Reichg.) = *Zannichellia*  
*palustris* subsp. *polycarpa*  
***Zannichellia palustris* L. subsp. *pedicellata* (Rosen & Wahlenb.) Hegi**  
***Zannichellia palustris* L. subsp. *polycarpa* (Nolte) K.Richt.**  
(*Zannichellia palustris* L. subsp. *repens* (Boenn.) Schuebl. & Martens) = *Zannichellia*  
*palustris* subsp. *palustris*  
(*Zannichellia pedicellata* (Rosen & Wahlenb.) Fr.) = *Zannichellia palustris* subsp.  
*pedicellata*  
(*Zannichellia pedunculata* Rchb.) = *Zannichellia palustris* subsp. *pedicellata*  
(*Zannichellia polycarpa* Nolte) = *Zannichellia palustris* subsp. *polycarpa*  
(*Zannichellia repens* Boenn.) = *Zannichellia palustris* subsp. *palustris*

## **FAMILY Zosteraceae**

(*Zostera angustifolia* (Hornem.) Rchb.) = *Zostera marina*  
***Zostera marina* L.**  
(*Zostera minor* (Cavol.) Nolte ex Rchb.) = *Zostera noltii*  
(*Zostera nana* Roth, nom. illeg.) = *Zostera noltii*  
***Zostera noltii* Hornem.**

## **CLASS MAGNOLIOPSIDA (= DICOTYLEDONAE)**

### **FAMILY Aceraceae**

***Acer campestre* L.**  
{*Acer cappadocicum* auct. non Gled.} = *Acer laetum*  
**\**Acer ginnala* Maxim.**  
**\**Acer japonicum* Thunb.**  
**\**Acer laetum* C.A.Mey.**  
**\**Acer monspessulanum* L.**  
**\*!*Acer negundo* L.**

Note: A completely naturalized invasive species.

\**Acer palmatum* Thunb.

\**Acer pensylvanicum* L.

*Acer platanoides* L.

*Acer pseudoplatanus* L.

\**Acer rubrum* L.

\*!*Acer saccharinum* L.

\**Acer saccharophorum* K.Koch

(*Acer saccharum* Marshall) = *Acer saccharophorum*

\**Acer semenovii* Regel & Herd.

*Acer stevenii* Pojark.

Conservation status: ERL (I).

*Acer tataricum* L.

\**Acer tegmentosum* Maxim.

\**Acer trautvetteri* Medw.

Note: Several other species of *Acer* are cultivated in botanical gardens and arboreta.

[*Negundo aceroides* Moench] = *Acer negundo*

## **FAMILY Actinidiaceae**

\**Actinidia arguta* (Siebold & Zucc.) Planch. ex Miq.

\**Actinidia kolomikta* (Maxim.) Maxim.

(*Kolomikta mandshurica* Regel) = *Actinidia kolomikta*

## **FAMILY Adoxaceae**

*Adoxa moschatellina* L.

## **FAMILY Amaranthaceae**

(*Acnida tuberculata* Moq.) = *Amaranthus tuberculatus*

{*Acnida tamariscina* auct. non (Nutt.) Wood, excl. typo} = *Amaranthus rudis*

(*Albersia blitum* (L.) Kunth) = *Amaranthus blitum*

*Amaranthus albus* L.

(*Amaranthus angustifolius* Lam.) = *Amaranthus graecizans* subsp. *graecizans*

*Amaranthus blitoides* S.Watson

*Amaranthus blitum* L.

?*Amaranthus bouchonii* Thell.

Note: This species may be expected in Ukraine; however, no reliable records are available yet.



**\*!Amaranthus caudatus L.**

**\*!Amaranthus caudatus L. subsp. saueri** Jehlik

(*Amaranthus chlorostachys* Willd., nom. ambig.) = *Amaranthus hybridus*

(*Amaranthus chlorostachys* Willd. var. *erythrostachys* (Moq.) Aellen) = *Amaranthus hypochondriacus*

(*Amaranthus chlorostachys* Willd. var. *pseudoretroflexus* Thell.) = *Amaranthus powellii*

**Amaranthus crispus** (Lesp. & Thev.) N.Terracc.

**\*!Amaranthus cruentus L.**

**Amaranthus deflexus L.**

**Amaranthus graecizans L.**

**Amaranthus graecizans L. subsp. sylvestris** (Vill.) Brenan

**Amaranthus hybridus L.**

Note: *Amaranthus hybridus* s.str. is a rare casual alien known in Ukraine from Kiev.

{*Amaranthus hybridus* auct. non L.} = *Amaranthus powellii*

Note: Almost all Ukrainian records of *A. hybridus* in fact belong to *A. powellii*.

(*Amaranthus hybridus* subsp. *hypochondriacus* (L.) Thell.) = *Amaranthus hypochondriacus*

(*Amaranthus hybridus* L. var. *erythrostachys* Moq.) = *Amaranthus hypochondriacus*

**\*!Amaranthus hypochondriacus L.**

(*Amaranthus leucocarpus* S.Watson) = *Amaranthus hypochondriacus*

(*Amaranthus leucospermus* S.Watson, nom. illeg.) = *Amaranthus hypochondriacus*

{*Amaranthus leucospermus* auct. non S.Watson} = *Amaranthus caudatus* subsp. *saueri*

(*Amaranthus lividus* L.) = *Amaranthus blitum* L.

**Amaranthus palmeri** S.Watson

Note: A rare casual alien, first collected in Kiev in 1989; no new collections available.

See discussion on *Amaranthus* in Ukraine (S. Mosyakin, 1995; Ukr. Bot. Zhurn. 52(2): 65-74).

(*Amaranthus paniculatus* L.) = *Amaranthus cruentus*

(*Amaranthus patulus* Bertol.) = *Amaranthus hybridus*

**Amaranthus powellii** S.Watson

**Amaranthus retroflexus L.**

**Amaranthus rudis** Sauer

Note: A rare casual alien (several collection from Kiev and SE Ukraine, along railroad; now probably disappeared).

**Amaranthus × soproziensis** Priszter & Karpati = *Amaranthus powellii* × *Amaranthus retroflexus*

**Amaranthus spinosus L.**

[*Amaranthus sylvestris* Vill.] = *Amaranthus graecizans* subsp. *sylvestris*

{*Amaranthus tamariscinus* auct. non Nutt.} = *Amaranthus rudis*

**Amaranthus tuberculatus** (Moq.) Sauer

Note: A rare casual alien (one collection from Kiev, now disappeared).

[*Celosia argentea* L. var. *cristata* (L.) O.Kuntze] = *Celosia cristata*

(*Euxolus crispus* Lesp. & Thev.) = *Amaranthus crispus*

**\**Gomphrena globosa* L.**

## **FAMILY Anacardiaceae**

***Cotinus coggygria* Scop.**

[*Pistacia atlantica* Desf. subsp. *mutica* (Fisch. & C.A.Mey.) Rech.f.] = *Pistacia mutica*

***Pistacia mutica* Fisch. & C.A.Mey.**

Conservation status: RDBU (2).

**\**Pistacia vera* L.**

***Rhus coriaria* L.**

(*Rhus cotinus* L.) = *Cotinus coggygria*

**\**Rhus glabra* L.**

(*Rhus hirta* (L.) Sudw., non Harv.) = *Rhus typhina*

[*Rhus radicans* L.] = *Toxicodendron radicans*

[*Rhus toxicodendron* L.] = *Toxicodendron pubescens*

**\**Rhus typhina* L.**

[*Rhus verniciflua* Stokes] = *Toxicodendron vernicifluum*

**\**Toxicodendron pubescens* Mill.**

**\*!*Toxicodendron radicans* (L.) O.Kuntze**

Note: Locally escaped and naturalized (e.g., in Bila Tserkva, Kiev Region).

**\**Toxicodendron vernicifluum* (Stokes) Lincz.**

## **FAMILY Apiaceae**

***Aegopodium podagraria* L.**

***Aethusa cynapium* L.**

***Ammi majus* L.**

(*Anethum foeniculum* L.) = *Foeniculum vulgare*

**\*!*Anethum graveolens* L.**

Note: Widely cultivated, occasionally occurs as escaped; doubtfully native in Crimea.

[*Angelica archangelica* L.] = *Archangelica officinalis*

[*Angelica montana* Brot.] = *Angelica sylvestris* subsp. *montana*

[*Angelica palustris* (Besser) Hoffm.] = *Ostericum palustre*

***Angelica sylvestris* L.**

***Angelica sylvestris* L. subsp. *montana* (Brot.) Arcang.**

Note: This subspecies was reported for the Carpathians (see Tasenkevich, 1998); no localities cited.

[*Anisum vulgare* P.Gaertn.] = *Pimpinella anisum*

(*Anthriscus alpestris* Wimmer & Grab.) = *Anthriscus nitida*

***Anthriscus caucalis* M.Bieb.**

***Anthriscus cerefolium* (L.) Hoffm.**

(*Anthriscus longirostris* Bertol.) = *Anthriscus cerefolium*

***Anthriscus nemorosa* (M.Bieb.) Spreng.**

***Anthriscus nitida* (Wahlenb.) Hazsl.**

(*Anthriscus sativum* Besser) = *Anthriscus cerefolium*

(*Anthriscus scandicina* (Weber) Mansf.) = *Anthriscus caucalis*

(*Anthriscus scandix* (Scop.) Asch., nom. illeg.) = *Anthriscus caucalis*

***Anthriscus sylvestris* (L.) Hoffm.**

(*Anthriscus trichosperma* Spreng., non Pers.) = *Anthriscus longirostris*

(*Apium anisum* (L.) Crantz) = *Pimpinella anisum*

(*Apium crispum* Mill.) = *Petroselinum crispum*

***Apium graveolens* L.**

Note: Widely cultivated, occasionally occurs as escaped; doubtfully native in Crimea.

(*Apium petroselinum* L.) = *Petroselinum crispum*

***Archangelica officinalis* Hoffm.**

***Astrantia major* L.**

Conservation status: RDBU (2).

***Astrodaucus littoralis* (M.Bieb.) Drude**

Conservation status: RDBU (4).

***Astrodaucus orientalis* (L.) Drude**

[*Berula erecta* (Huds.) Coville] = *Siella erecta*

***Bifora radians* M.Bieb.**

***Bunium ferulaceum* Smith**

[*Bunium luteum* Hoffm.] = *Elaeosticta lutea*

**Bupleurum affine** Sadler  
**Bupleurum asperuloides** Heldr. ex Boiss.  
 (Bupleurum baldense M.Bieb.) = Bupleurum woronowii  
**Bupleurum brachiatum** K.Koch  
**Bupleurum exaltatum** M.Bieb.  
 (Bupleurum commutatum auct.) = Bupleurum gerardii  
**Bupleurum falcatum** L.  
 (Bupleurum fontanesi Guss.) = Bupleurum odontites  
 \*!Bupleurum fruticosum L.  
**Bupleurum gerardii** All.  
 (Bupleurum gracile (M.Bieb.) DC.) = Bupleurum marschallianum  
 (Bupleurum junceum M.Bieb.) = Bupleurum pauciradiatum  
**Bupleurum longifolium** L.  
 (Bupleurum longifolium L. subsp. vapincense (Vill.) Todor) = Bupleurum longifolium  
**Bupleurum marschallianum** C.A.Mey.  
**Bupleurum odontites** L.  
**Bupleurum pauciradiatum** Fenzl ex Boiss.  
**Bupleurum ranunculoides** L.  
 (Bupleurum rossicum (Koso-Pol.) Woronow) = Bupleurum falcatum  
**Bupleurum rotundifolium** L.  
**Bupleurum subfalcatum** Schur  
**Bupleurum tenuissimum** L.  
 (Bupleurum vapincense Vill.) = Bupleurum longifolium  
**Bupleurum woronowii** Manden.

(Cachrys odontalgica Pall.) = Prangos odontalgica

(Cachrys alpina M.Bieb.) = Prangos trifida

(Calestania palustris (L.) Koso-Pol.) = Peucedanum palustre

**Carum carvi** L.

(Caucalis arvensis Huds.) = Torilis arvensis

**Caucalis bischoffii** Koso-Pol.

(Caucalis grandiflora L.) = Orlaja grandiflora

(Caucalis heterophylla (Guss.) Arcang.) = Torilis heterophylla

(Caucalis japonica Houtt.) = Torilis japonica

(Caucalis lappula (Weber) Grande) = Caucalis platycarpus

[Caucalis latifolia L.] = Turgenia latifolia

(Caucalis leptophylla L.) = Torilis leptophylla

[Caucalis littoralis M.Bieb.] = Astrodaucus littoralis

(*Caucalis muricata* Bisch., nom. illeg.) = *Caucalis bischoffii*

(*Caucalis nodosa* (L.) Crantz) = *Torilis nodosa*

***Caucalis platycarpus* L.**

[*Caucalis platycarpus* L. subsp. *muricata* (Bisch. ex Čelak.) V.N.Tichomirov] = *Caucalis bischoffii*

(*Caucalis orientalis* L.) = *Astrodaucus orientalis*

(*Caucalis xanthotricha* Steven) = *Torilis xanthotricha*

***Cenolophium denudatum* (Hornem.) Tutin**

(*Cenolophium fischeri* (Spreng.) W.D.J.Koch & DC.) = *Cenolophium denudatum*

***Chaerophyllum aromaticum* L.**

***Chaerophyllum aureum* L.**

***Chaerophyllum bulbosum* L.**

(*Chaerophyllum cicutaria* Vill.) = *Chaerophyllum hirsutum*

***Chaerophyllum hirsutum* L.**

(*Chaerophyllum maculatum* Willd. ex DC.) = *Chaerophyllum aureum*

***Chaerophyllum prescottii* DC.**

***Chaerophyllum temulum* L.**

***Cicuta virosa* L.**

***Cnidium dubium* (Schkuhr) Thell.**

(*Cnidium fischeri* Spreng.) = *Cenolophium denudatum*

(*Cnidium venosum* (Hoffm.) W.D.J.Koch, nom. illeg.) = *Cnidium dubium*

***Conioselinum tataricum* Hoffm.**

(*Conioselinum vaginatum* Thell.) = *Conioselinum tataricum*

***Conium maculatum* L.**

**\*!*Coriandrum sativum* L.**

***Crithmum maritimum* L.**

(*Danaa nudicaulis* (M.Bieb.) Grossh.) = *Physospermum cornubiense*

(*Daucus australis* Kotov) = *Daucus carota*

***Daucus carota* L.**

(*Daucus bessarabicus* DC.) = *Astrodaucus littoralis*

(*Daucus pulcherrimus* W.D.J.Koch) = *Astrodaucus orientalis*

**\**Daucus sativus* (Hoffm.) Roehl.**

**Echinophora sibthorpiana** Guss.

(*Echinophora tenuifolia* M.Bieb.) = *Echinophora sibthorpiana*

**Elaeosticta lutea** (Hoffm.) Kljuykov, M.Pimen. & V.N.Tichomirov

**Eriosynaphe longifolia** (Fisch. ex Spreng.) DC.

**Eryngium campestre** L.

**Eryngium maritimum** L.

**Eryngium planum** L.

(*Falcaria neglectissima* Klokov) = *Falcaria vulgaris*

(*Falcaria sioides* (Wibb.) Asch.) = *Falcaria vulgaris*

**Falcaria vulgaris** Bernh.

(*Ferula campestris* Besser) = *Ferulago galbanifera*

**Ferula caspica** M.Bieb.

**Ferula euxina** M.Pimen. ~ *Ferula orientalis* s.l.

(*Ferula longifolia* Fisch.) = *Eriosynaphe longifolia*

{*Ferula orientalis* auct. non L.} = *Ferula euxina*

(*Ferula sylvatica* Besser) = *Ferulago sylvatica*

**Ferula tatarica** Fisch. ex Spreng.

(*Ferulago campestris* (Besser) Grecescu) = *Ferulago galbanifera*

**Ferulago galbanifera** (Mill.) W.D.J.Koch

**Ferulago sylvatica** (Besser) Rchb.

**Ferulago taurica** Schischk.

(*Foeniculum officinale* All.) = *Foeniculum vulgare*

\*!*Foeniculum vulgare* Mill.

[*Gasparrinia peucedanoides* (M.Bieb.) Thell.] = *Seseli peucedanoides*

(*Gasparrinia donetzica* Dubovik) = *Seseli peucedanoides*

**Heracleum carpaticum** Porcius

Conservation status: IUCN RL (R); ERL (V).

{*Heracleum caasicum* auct. non Steven} = *Heracleum mantegazzianum*

(*Heracleum giganteum* Hornem.) = *Heracleum mantegazzianum*

(*Heracleum grossheimii* Manden.) = *Heracleum mantegazzianum*

**Heracleum ligusticifolium** M.Bieb.

Conservation status: ERL (R).

**\*!Heracleum mantegazzianum** Sommier & Levier

Note: For early records of this invasive species in Ukraine, see J. Berko (1964, Ukr. Bot. Zhurn. 21(4): 104-106).

**Heracleum palmatum** Baumg.

**Heracleum pubescens** (Hoffm.) M.Bieb.

Conservation status: RDBU (1); IUCN RL (1); ERL (1).

**Heracleum sibiricum** L.

**\*!Heracleum sosnowskyi** Manden.

Note: A locally naturalized invasive species.

**Heracleum sphondylium** L.

[*Heracleum sphondylium* L. subsp. *carpaticum* (Porcius) Soó] = *Heracleum carpaticum*

[*Heracleum sphondylium* L. subsp. *sibiricum* (L.) Simonk.] = *Heracleum sibiricum*

[*Heracleum sphondylium* L. subsp. *trachycarpum* (Soják) Holub] = *Heracleum trachycarpum*

(*Heracleum sphondylium* L. subsp. *transsilvanicum* (Schur) Brummit) = *Heracleum palmatum*

**Heracleum stevenii** Manden.

**Heracleum trachycarpum** Soják ~ *Heracleum sphondylium*

Note: Reported for the Ukrainian Carpathians by J. Soják (see Tassenkevich, 1998).  
(*Heracleum transsilvanicum* Schur) = *Heracleum palmatum*

**Hydrocotyle vulgaris** L.

Conservation status: RDBU (2).

[*Kadenia dubia* (Schkuhr) Lavrova & V.N.Tichomirov] = *Cnidium dubium*

**Lagoecia cuminoides** L.

**Laser trilobum** (L.) Borkh.

**Laserpitium alpinum** Waldst. & Kit.

**Laserpitium hispidum** M.Bieb.

{*Laserpitium knapfii* auct. non Crantz} = *Laserpitium alpinum*

**Laserpitium latifolium** L.

**Laserpitium prutenicum** L.

(*Laserpitium trilobum* L.) = *Laser trilobum*

**\*!Levisticum officinale** W.D.J.Koch

[*Libanotis intermedia* Rupr.] = *Seseli libanotis* subsp. *intermedium*

[*Libanotis montana* Crantz] = *Seseli libanotis*

(*Libanotis pyrenaica* (L.) Bourg.) = *Seseli libanotis*

{*Libanotis sibirica* auct. non C.A.Mey.} = *Seseli libanotis* subsp. *intermedium*  
(*Libanotis taurica* N.I.Rubtzov) = *Seseli libanotis* subsp. *intermedium*

(*Ligusticum levisticum* L.) = *Levisticum officinale*

***Ligusticum mutellina*** (L.) Crantz

(*Ligusticum meum* Crantz) = *Meum athamanticum*

(*Malabaila graveolens* (Spreng.) Hoffm.) = *Pastinaca clausii*

(*Meum anethifolium* P.Gaertn., B.Mey. & Scherb.) = *Meum athamanticum*

***Meum athamanticum*** Jacq.

(*Meum mutellina* (L.) Gaertn.) = *Ligusticum mutellina*

(*Mutellina purpurea* (Poir.) Thell.) = *Ligusticum mutellina*

\*!***Myrrhis odorata*** (L.) Scop.

***Oenanthe aquatica*** (L.) Poir.

***Oenanthe banatica*** Heuff.

(*Oenanthe media* Griseb.) = *Oenanthe silaifolia*

(*Oenanthe phellandrium* Lam.) = *Oenanthe aquatica*

***Oenanthe pimpinelloides*** L.

(*Oenanthe radiata* Sakalo) = *Oenanthe silaifolia*

***Oenanthe silaifolia*** M.Bieb.

***Orlaya daucooides*** (L.) Greuter

***Orlaya grandiflora*** (L.) Hoffm.

(*Orlaya platycarpus* (L.) W.D.J.Koch) = *Orlaya daucooides*

***Ostericum palustre*** (Besser) Besser

(*Palimbia rediviva* (Pall.) Thell.) = *Palimbia salsa*

***Palimbia salsa*** (L.f.) Besser

?***Palimbia turgaica*** Lipsky & Woronow

Note: Reported from two localities in Donetsk and Kharkiv regions (Fl. Ukr. 1955, 7: 582); needs confirmation.

(*Pastinaca biebersteinii* Galushko) = *Pastinaca clausii*

***Pastinaca clausii*** (Ledeb.) M.Pimen.

(*Pastinaca heracleoides* (Boros) Kotov) = *Pastinaca sylvestris* ?

Note: The taxonomic identity of *P. heracleoides* is dubious.

(*Pastinaca opaca* Bernh. ex Hornem.) = *Pastinaca umbrosa*

(*Pastinaca pratensis* Mart.) = *Pastinaca sylvestris*



(*Pastinaca pubescens* (Hoffm.) Calest.) = *Heracleum pubescens*

**\**Pastinaca sativa* L.**

[*Pastinaca sativa* L. subsp. *sylvestris* (Mill.) Rouy & Camus] = *Pastinaca sylvestris*

(*Pastinaca sativa* L. subsp. *umbrosa* (Steven ex DC.) Bondar.) = *Pastinaca umbrosa*

[*Pastinaca sativa* L. subsp. *urens* (Req. ex Godr.) Čelak.] = *Pastinaca umbrosa*

***Pastinaca sylvestris* Mill.**

***Pastinaca umbrosa* Steven ex DC.**

(*Pastinaca urens* Req. ex Godr.) = *Pastinaca umbrosa*

**\*!*Petroselinum crispum* (Mill.) A.W.Hill**

(*Petroselinum sativum* Hoffm.) = *Petroselinum crispum*

***Peucedanum alsaticum* L. aggr.**

Note: This aggregate is represented in Ukraine by a closely related taxon *P.*

*lubimenkoanum*; the species rank of the latter is problematic.

[*Peucedanum arenarium* Waldst. & Kit.] = *Taeniopetalum arenarium*

[*Peucedanum borysthenticum* Klokov ex Schischk.] = *Taeniopetalum borysthenticum*

***Peucedanum carvifolia* Vill.**

***Peucedanum cervaria* (L.) Lapeyr.**

(*Peucedanum chabraei* (Jacq.) Rechb.) = *Peucedanum carvifolia*

***Peucedanum euphimiae* Kotov ~ *Peucedanum carvifolia***

***Peucedanum latifolium* DC.**

***Peucedanum lubimenkoanum* Kotov ~ *Peucedanum alsaticum* aggr.**

(*Peucedanum macrophyllum* Schischk.) = *Peucedanum latifolium*

***Peucedanum oreoselinum* (L.) Moench**

***Peucedanum palustre* (L.) Moench**

(*Peucedanum podolicum* (Besser) Eichw.) = *Peucedanum carvifolia*

***Peucedanum ruthenicum* M.Bieb.**

(*Peucedanum schottii* Besser ex DC.) = *Peucedanum carvifolia*

***Peucedanum tauricum* M.Bieb.**

***Physocaulis nodosus* (L.) W.D.J.Koch**

***Physospermum cornubiense* (L.) DC.**

(*Physospermum danaa* (M.Bieb.) Schischk. ex N.I.Rubtzov) = *Physospermum cornubiense*

**\*!*Pimpinella anisum* L.**

(*Pimpinella dissecta* Retz.) = *Pimpinella saxifraga*

***Pimpinella lithophila* Schischk. ~ *Pimpinella tragi* aggr.**

(*Pimpinella magna* L.) = *Pimpinella major*

***Pimpinella major* (L.) Huds.**

[*Pimpinella nigra* Mill.] = *Pimpinella saxifraga* subsp. *nigra*

**Pimpinella peregrina** L.

**Pimpinella saxifraga** L.

**Pimpinella saxifraga** L. subsp. *montana* Weide ~ *Pimpinella saxifraga* s.str.

Note: Reported for the Carpathians (Tasenkevich, 1998); no localities cited.

**Pimpinella saxifraga** L. subsp. *nigra* (Mill.) Gaudin

Note: See Tasenkevich, 1998.

(*Pimpinella taurica* (Ledeb.) Steud.) = *Pimpinella peregrina*

**Pimpinella titanophila** Woronow ~ *Pimpinella tragium* aggr.

{*Pimpinella tragium* auct. non Vill.} = *Pimpinella titanophilla*

**Pleurospermum austriacum** (L.) Hoffm.

**Prangos odontalgica** (Pall.) Herrnst. & Heyn

**Prangos trifida** (Mill.) Herrnst. & Heyn

Conservation status: RDBU (3); ERL (R).

**Rumia crithmifolia** (Willd.) Koso-Pol.

Conservation status: IUCN RL (R), as *Trinia crithmifolia*; ERL (R).

(*Rumia taurica* Hoffm.) = *Rumia crithmifolia*

**Sanicula europaea** L.

(*Scandix anthriscus* L.) = *Anthriscus caucalis*

{*Scandix falcata* auct. non Londe} = *Scandix taurica*

**Scandix macrorhyncha** C.A.Mey. ~ *Scandix pecten-veneris*

[*Scandix odorata* L.] = *Myrrhis odorata*

**Scandix pecten-veneris** L.

[*Scandix pecten-veneris* L. subsp. *macrorhyncha* (C.A.Mey.) Rouy & Camus] = *Scandix macrorhyncha*

(*Scandix pinnatifida* Benth.) = *Scandix stellata*

(*Scandix pontica* (Vierh.) Stank.) = *Scandix taurica*

**Scandix stellata** Banks & Sol.

**Scandix taurica** Steven

**Selinium carvifolia** (L.) L.

[*Selinium cervaria* L.] = *Peucedanum cervaria*

[*Selinium palustre* L.] = *Peucedanum palustre*

**Seseli annuum** L.

(*Seseli arenarium* M.Bieb.) = *Seseli tortuosum*

**Seseli campestre** Besser

(*Seseli carvifolia* L.) = *Selinium carvifolia*

**Seseli dichotomum** Pall. ex M.Bieb.

(*Seseli dubium* Schkuhr) = *Cnidium dubium*

[*Seseli elatum* subsp. *osseum* (Crantz) P.W.Ball] = *Seseli osseum*

(*Seseli elegans* Schischk.) = *Seseli peucedanoides*

**Seseli gummiferum** Pall. ex Smith

**Seseli hippomarathrum** Jacq.

(*Seseli intermedium* (Rupr.) V.Vodopianova) = *Seseli libanotis* subsp. *intermedium*

**Seseli lehmannii** Degen

Conservation status: IUCN RL (R); ERL (R).

**Seseli libanotis** (L.) W.D.J.Koch

**Seseli libanotis** (L.) W.D.J.Koch subsp. *intermedium* (Rupr.) P.W.Ball

?**Seseli osseum** Crantz

Note: Records from the Ukrainian Carpathians need confirmation.

**Seseli pallasii** Besser

**Seseli pauciradiatum** Schischk.

**Seseli peucedanifolium** Besser

**Seseli peucedanoides** (M.Bieb.) Koso-Pol.

**Seseli tenderiense** Kotov

**Seseli tortuosum** L.

**Seseli varium** Trev.

**Siella erecta** (Huds.) M.Pimen.

(*Silaum alpestre* (L.) Thell.) = *Silaum silaus*

**Silaum silaus** (L.) Schinz & Thell.

(*Silaus besseri* DC.) = *Silaum silaus*

(*Silaus pratensis* (Crantz) Besser) = *Silaum silaus*

(*Sium lancifolium* M.Bieb.) = *Sium sisaroideum*

**Sium latifolium** L.

**Sium sisaroideum** DC.

**Smyrnum olusatrum** L.

**Smyrnum perfoliatum** L.

**Taeniopetalum arenarium** (Waldst. & Kit.) V.N.Tichomirov

**Taeniopetalum borysthenticum** (Klokov ex Schischk.) Klokov ~ *Taeniopetalum arenarium*

**Taeniopetalum tanaiticum** Klokov ~ *Taeniopetalum arenarium*

[*Thyselium palustre* (L.) Raf.] = *Peucedanum palustre*

**Tordylium maximum L.**

(*Torilis anthriscus* (L.) C.C.Gmel.) = *Torilis japonica*

**Torilis arvensis** (Huds.) Link.

**Torilis heterophylla** Guss.

(*Torilis heterosperma* Steven) = *Torilis heterophylla*

**Torilis japonica** (Houtt.) DC.

**Torilis leptophylla** (L.) Rchb.

(*Torilis microcarpa* Andr.) = *Torilis ucrainica*

**Torilis nodosa** (L.) P.Gaertn.

**Torilis radiata** Moench

**Torilis ucrainica** Spreng.

**Torilis xanthotricha** (Steven) Stank.

**Trinia biebersteinii** Fedoronzuk

Conservation status: RDBU (2); IUCN RL (R), as "*Trinia kitaibelii* auct., non Bieb.";  
ERL (R).

[*Trinia crithmifolia* (Willd.) H.Wolff] = *Rumia crithmifolia*

**Trinia glauca** (L.) Dumort.

{*Trinia henningii* auct. non Hoffm.} = *Trinia multicaulis*

**Trinia hispida** Hoffm.

{*Trinia hoffmanii* auct. non M.Bieb.} = *Trinia hispida*

**Trinia kitaibelii** M.Bieb.

{*Trinia kitaibelii* sensu Schischk., non M.Bieb.} = *Trinia biebersteinii*

**Trinia multicaulis** Schischk.

(*Trinia stankovii* Schischk.) = *Trinia glauca*

(*Trinia ucrainica* Schischk.) = *Trinia kitaibelii*

**Turgenia latifolia** (L.) Hoffm.

[*Xanthoselinum alsaticum* (L.) Schur] = *Peucedanum alsaticum* aggr.

[*Xanthoselinum lubimenkoanum* (Kotov) Fedoronzuk, comb. provis.] = *Peucedanum*  
*lubimenkoanum*

**FAMILY Apocynaceae**

(*Apocynum rusanovii* Pobed.) = *Trachomitum rusanovii*

(*Apocynum sarmatiense* (Woodson) Wissjul.) = *Trachomitum sarmatiense*

(*Apocynum syriacum* (L.) Clus.) = *Asclepias syriaca*

(*Apocynum tauricum* Pobed.) = *Trachomitum tauricum*

**\*Nerium oleander** L.

**Trachomitum rusanovii** (Pobed.) Pobed.

**Trachomitum sarmatiense** Woodson

**Trachomitum tauricum** (Pobed.) Pobed.

Conservation status: ERL (R).

**Vinca herbacea** Waldst. & Kit.

**\*!Vinca major** L.

**Vinca minor** L.

## **FAMILY Aquifoliaceae**

**\*Ilex aquifolium** L.

Note: Four other species of Ilex are occasionally cultivated in botanical gardens and parks.

## **FAMILY Araliaceae**

**Hedera helix** L.

(*Hedera quinquefolia* L.) = *Parthenocissus quinquefolia*

Note: See family Vitaceae.

**Hedera taurica** Carrière

## **FAMILY Aristolochiaceae**

**Aristolochia clematitis** L.

**Asarum europaeum** L.

## **FAMILY Asclepiadaceae**

(*Antitoxicum cretaceum* Pobed.) = *Vincetoxicum hirunginaria*

(*Antitoxicum intermedium* (Taliyev) Pobed.) = *Vincetoxicum intermedium*

(*Antitoxicum jailicola* (Juz.) Pobed.) = *Vincetoxicum jailicola*

(*Antitoxicum juzepczukii* Pobed.) = *Vincetoxicum juzepczukii*

(*Antitoxicum laxum* (Bartl.) Pobed.) = *Vincetoxicum hirundinaria*

(*Antitoxicum maeoticum* (Kleopow) Pobed.) = *Vincetoxicum maeoticum*

(*Antitoxicum minus* (K.Koch) Pobed.) = *Vincetoxicum fuscum*

(*Antitoxicum officinale* (Moench) Pobed.) = *Vincetoxicum hirundinaria*

(*Antitoxicum rossicum* (Kleopow) Pobed.) = *Vincetoxicum rossicum*

(*Antitoxicum scandens* Sommier & Levier) = *Vincetoxicum scandens*

(*Antitoxicum schmalhauseni* (Kusn.) Pobed.) = *Vincetoxicum schmalhauseni*

(*Antitoxicum stepposum* Pobed.) = *Vincetoxicum albowianum*  
(*Antitoxicum tauricum* (Pobed.) Pobed.) = *Vincetoxicum tauricum*

(*Asclepias cornuti* Decne) = *Asclepias syriaca*

***Asclepias syriaca* L.**

(*Asclepias vincetoxicum* L.) = *Vincetoxicum hirundinaria*

***Cynanchum acutum* L.**

(*Cynanchum jailicola* (Juz.) Juz.) = *Vincetoxicum jailicola*

(*Cynanchum juzepczukii* (Pobed.) Borhidi) = *Vincetoxicum juzepczukii*

(*Cynanchum laxum* Bartl.) = *Vincetoxicum laxum*

(*Cynanchum maeoticum* Kleopow) = *Vincetoxicum maeoticum*

(*Cynanchum minus* K.Koch) = *Vincetoxicum fuscatum*

(*Cynanchum rossicum* (Kleopow) Borhidi) = *Vincetoxicum rossicum*

(*Cynanchum schmalhauseni* Kusn.) = *Vincetoxicum schmalhauseni*

***Periploca graeca* L.**

***Vincetoxicum albowianum* (Kusn.) Pobed.**

(*Vincetoxicum cretaceum* (Pobed.) Wissjul.) = *Vincetoxicum hirundinaria*

***Vincetoxicum donetzicum* Ostapko**

Note: For additional information about this and other recently described species, see  
(V. Ostapko, 1995, Ukr. Bot. Zhurn. 52(2): 271-276).

***Vincetoxicum flavum* Ostapko**

***Vincetoxicum fuscatum* (Hornem.) Endl.**

{*Vincetoxicum fuscatum* auct. non (Hornem.) Endl.} = *Vincetoxicum maeoticum* &  
*Vincetoxicum intermedium*

***Vincetoxicum hirundinaria* Medik.**

(*Vincetoxicum hirundinaria* Medik. subsp. *jailicola* (Juz.) Markgraf) = *Vincetoxicum jailicola*

***Vincetoxicum intermedium* Taliev**

Conservation status: ERL (I).

***Vincetoxicum jailicola* Juz.**

Conservation status: ERL (I).

***Vincetoxicum juzepczukii* (Pobed.) Privalova ex Wissjul.**

(*Vincetoxicum laxum* (Bartl.) Gren. & Godr.) = *Vincetoxicum hirundinaria*

(*Vincetoxicum laxum* Bartl.) Gren. & Godr. var. *jailicola* (Juz.) Wissjul.) = *Vincetoxicum jailicola*

***Vincetoxicum maeoticum* (Kleopow) Barbar.**

Conservation status: ERL (R).

(*Vincetoxicum minus* (K.Koch) K.Koch) = *Vincetoxicum fuscatum*

(*Vincetoxicum officinale* Moench) = *Vincetoxicum hirundinaria*

{*Vincetoxicum officinale* auct. non Moench} = *Vincetoxicum albobianum*

*Vincetoxicum rossicum* (Klokov) Barba

Conservation status: IUCN RL (R).

*Vincetoxicum scandens* Sommier & Levier

*Vincetoxicum schmalhausense* (Kusn.) Stank.

(*Vincetoxicum stepposum* (Pobed.) A.Löve & D.Löve) = *Vincetoxicum albobianum*

*Vincetoxicum tauricum* Pobed.

Conservation status: ERL (I).

*Vincetoxicum ucrainicum* Ostapko

## **FAMILY Asteraceae**

[*Acanthoxanthium spinosum* (L.) Fourr.] = *Xanthium spinosum*

{*Achillea asplenifolia* auct. non Vent.} = *Achillea euxina*

*Achillea birjucensis* Klokov

(*Achillea borysthonica* Klokov & Sakalo) = *Parmica salicifolia*

(*Achillea cancrinii* Grun.) = *Achillea micrantha*

*Achillea carpatica* Blocki ex Dubovik

[*Achillea cartilaginea* Ledeb. ex Rchb.] = *Parmica cartilaginea*

*Achillea coarctata* Poir.

*Achillea collina* J.Becker ex Rchb.

(*Achillea compacta* Willd. 1804, non Lam. 1783) = *Achillea coarctata*

(*Achillea dentifera* DC.) = *Achillea distans*

*Achillea distans* Waldst. & Kit.

(*Achillea distans* Waldst. & Kit. subsp. *tanacetifolia* (All.) Janchen) = *Achillea subtanacetifolia*

*Achillea euxina* Klokov

?*Achillea filipendulina* Lam.

Note: Uncertain records from Transcarpathia (as introduced) and Crimea (as a native species).

(*Achillea gerberi* Willd.) = *Achillea micrantha*

*Achillea glaberrima* Klokov

Conservation status: RDBU (I); ERL (V).

(*Achillea glomerata* M.Bieb.) = *Achillea coarctata*

*Achillea* × *illiczevskyi* Tzvelev = *Achillea micrantha* × *Achillea collina*

*Achillea inundata* Kondr.

(*Achillea kitaibeiana* Soó) = *Achillea ochroleuca*

*Achillea leptophylla* M.Bieb.

*Achillea* × *leptophylloides* Tzvelev = *Achillea leptophylla* × *Achillea setacea*

[*Achillea lingulata* Waldst. & Kit.] = *Parmica lingulata*

*Achillea micrantha* Willd.

**Achillea micranthoides** Klokov

**Achillea millefolium** L.

(*Achillea millefolium* L. subsp. *collina* (J.Becker ex Rchb.) Weiss) = *Achillea collina*

(*Achillea millefolium* L. subsp. *pannonica* (Scheele) Hayek) = *Achillea pannonica*

(*Achillea millefolium* L. subsp. *setacea* (Waldst. & Kit.) Weiss) = *Achillea setacea*

{*Achillea millefolium* L. subsp. *sudetica* auct. non (Opiz) Weiss} = *Achillea carpatica*

**Achillea neilreichii** A.Kern. ~ *Achillea nobilis*

**Achillea nobilis** L.

[*Achillea nobilis* L. subsp. *neilreichii* (A.Kern.) Velen.] = *Achillea neilreichii*

**Achillea ochroleuca** Ehrh.

(*Achillea oxyloba* (DC.) Sch.Bip. subsp. *schuri* (Sch.Bip.) Heimerl) = *Parmica tenuifolia*

**Achillea pannonica** Scheele

(*Achillea pectinata* Willd. 1804, non Lam. 1783) = *Achillea ochroleuca*

[*Achillea ptarmica* L.] = *Parmica vulgaris*

[*Achillea salicifolia* Besser] = *Parmica salicifolia*

[*Achillea schuri* Sch.Bip.] = *Parmica tenuifolia*

**Achillea setacea** Waldst. & Kit.

**Achillea stepposa** Klokov & Krytzka

**Achillea stricta** Schleich. ex Gremli ~ *Achillea distans*

**Achillea** × **submicrantha** Tzvelev = *Achillea micrantha* × *Achillea setacea*

**Achillea submillefolium** Klokov & Krytzka ~ *Achillea millefolium*

{*Achillea submillefolium* auct. non Klokov & Krytzka} = *Achillea millefolium* & *Achillea collina*

**Achillea subtanacetifolia** Tzvelev ~ *Achillea distans*

**Achillea** × **subtaurica** Tzvelev = *Achillea setacea* × *Achillea taurica*

{*Achillea sudetica* auct. non Opiz} = *Achillea carpatica*

(*Achillea tanacetifolia* All. 1785, non Mill. 1768) = *Achillea subtanacetifolia*

**Achillea taurica** M.Bieb.

(*Achyrophorus maculatus* (L.) Scop.) = *Hypochaeris maculata*

(*Achyrophorus radicans* (L.) Scop.) = *Hypochaeris radicata*

(*Achyrophorus uniflorus* (Vill.) Bluff & Fingerh.) = *Hypochaeris uniflora*

(*Acosta aemulans* (Klokov) Holub) = *Centaurea aemulans*

(*Acosta arenaria* (M.Bieb.) Soják) = *Centaurea arenaria*

(*Acosta besseriana* (DC.) Soják) = *Centaurea besseriana*

(*Acosta biebersteinii* (DC.) Dostál) = *Centaurea biebersteinii*

(*Acosta borysthenea* (Grun.) Soják) = *Centaurea borysthenea*

(*Acosta diffusa* (Lam.) Soják) = *Centaurea diffusa*

(*Acosta odessana* (Prod.) Soják) = *Centaurea odessana*

(*Acosta pseudomaculosa* (Dobroc.) Soják) = *Centaurea pseudomaculosa*

(*Acosta rhenana* (Boreau) Soják) = *Centaurea stoebe*



(*Acosta savranica* (Klokov) Holub) = *Centaurea savranica*  
(*Acosta steveniana* (Klokov) Holub) = *Centaurea steveniana*

***Acroptilon repens* (L.) DC.**  
(*Acroptilon picris* (Pall. ex Willd.) C.A.Mey.) = *Acroptilon repens*  
***Adenostyles alliariae* (Gouan) A.Kern.**

(*Agathysus tataricus* (L.) D.Don) = *Lactuca tatarica*

**\**Ageratum houstonianum* Mill.**  
(*Ageratum mexicanum* Sims) = *Ageratum houstonianum*

**\**Amberboa moschata* (L.) DC.**

***Ambrosia artemisiifolia* L.**  
***Ambrosia aptera* DC. ~ *Ambrosia trifida***  
***Ambrosia psilostachya* DC.**  
***Ambrosia trifida* L.**

***Anacyclus clavatus* (Desf.) Pers.**  
**\*!*Anacyclus officinarum* Hayne**  
(*Anacyclus tomentosus* DC.) = *Anacyclus clavatus*

***Antennaria carpatica* (Wahlenb.) Bluff & Fingerh.**  
Conservation status: RDBU (I).  
***Antennaria dioica* (L.) P.Gaertn.**

***Anthemis altissima* L.**  
***Anthemis arvensis* L.**  
(*Anthemis arvensis* L. var. *ruthenica* (M.Bieb.) Schmalh.) = *Anthemis ruthenica*  
***Anthemis austriaca* Jacq.**  
***Anthemis carpatica* Waldst. & Kit. ex Willd.**  
(*Anthemis clavata* Desf.) = *Anacyclus clavatus*  
***Anthemis cotula* L.**  
***Anthemis cretacea* Zefir. ~ *Anthemis monantha***  
***Anthemis dubia* Steven**  
***Anthemis dumetorum* Sosn.**  
***Anthemis jailensis* Zefir.**  
Conservation status: ERL (R).  
***Anthemis lithuanica* (DC.) Besser ex Trautv. ~ *Anthemis cotula***  
Conservation status: IUCN RL (R).  
***Anthemis markhotensis* Fed.**  
(*Anthemis millefolia* L.) = *Tanacetum millefolium*

(*Anthemis mixtum* L.) = *Chamaemelum mixtum*

***Anthemis monantha* Willd.**

(*Anthemis neilreichii* Ortmann) = *Anthemis ruthenica*

(*Anthemis nobilis* L.) = *Chamaemelum nobile*

***Anthemis parviceps* Dobrocz. & Fed. ex Klokov ~ *Anthemis monantha***

***Anthemis ruthenica* M.Bieb.**

***Anthemis sterilis* Steven**

Conservation status: IUCN RL (V); ERL (I).

[*Anthemis subtinctoria* Dobrocz.] = *Anthemis tinctoria* subsp. *subtinctoria*

***Anthemis tinctoria* L.**

***Anthemis tinctoria* L. subsp. *subtinctoria* (Dobrocz.) Soó**

***Anthemis tranzscheliana* Fed.**

Conservation status: ERL (R).

***Anthemis zephyrovii* Dobrocz. ~ *Anthemis tinctoria* subsp. *subtinctoria***

(*Apargia aspera* Waldst. & Kit.) = *Leontodon biscutellifolius*

(*Apargia autumnalis* (L.) Baumg.) = *Leontodon autumnalis*

(*Apargia caucasica* M.Bieb.) = *Leontodon caucasicus*

(*Apargia hispida* (L.) Baumg.) = *Leontodon hispidus*

(*Apargia pratensis* Link) = *Leontodon autumnalis* subsp. *pratensis*

***Aposeris foetida* (L.) Less.**

***Arctium* × *ambiguum* (Čelak.) Nyman = *Arctium lappa* × *Arctium tomentosum***

(*Arctium chaorum* Klokov) = *Arctium lappa*

***Arctium* × *cimbricum* (Krause) Hayek = *Arctium lappa* × *Arctium nemorosum***

(*Arctium flabescens* Klokov, sphalm.) = *Arctium nemorosum*

(*Arctium glabescens* Klokov) = *Arctium nemorosum*

(*Arctium intermedium* (Rchb.f.) Lange) = *Arctium nemorosum*

***Arctium lappa* L.**

(*Arctium leptophyllum* Klokov) = *Arctium tomentosum*

***Arctium* × *maassii* (M.Schulze) Rouy = *Arctium minus* × *Arctium nemorosum***

(*Arctium majus* Bernh.) = *Arctium lappa*

***Arctium minus* (Hill) Bernh.**

***Arctium* × *mixtum* (Simonk.) Nyman = *Arctium minus* × *Arctium tomentosum***

***Arctium nemorosum* Lej.**

***Arctium* × *nothum* (Ruhm.) Weiss = *Arctium lappa* × *Arctium minus***

***Arctium tomentosum* Mill.**

**\**Argyranthemum frutescens* (L.) Sch.Bip.**

***Arnica montana* L.**

Conservation status: RDBU (2).

***Arnoseris minima* (L.) Schweigg. & Körte**

***Artemisia abrotanum* L.**

***Artemisia absinthium* L.**

***Artemisia annua* L.**

***Artemisia arenaria* DC.**

{*Artemisia arenaria* sensu Kotov, non DC.} = *Artemisia marschalliana*

{*Artemisia arenaria* sensu Klokov, non DC.} = *Artemisia trautvetteriana*

(*Artemisia argentata* Klokov) = *Artemisia caucasica*

***Artemisia argyi* Léveillé & Vaniot**

Note: A rare alien species persisting in one locality in Kiev. See discussion on alien species of *Artemisia* in Ukraine (S. Mosyakin, 1990, Ukr. Bot. Zhurn. 47(4): 10-13).

***Artemisia armeniaca* Lam.**

***Artemisia austriaca* Jacq.**

{*Artemisia biennis* auct. non Willd.} = *Artemisia tournefortiana*

Note: *Artemisia biennis*, a North American species closely related to *A. tournefortiana*, can be expected in Ukraine in the future, since it is already known from adjacent countries.

(*Artemisia boschniakiana* (Besser) DC.) = *Artemisia santonica*

**?*Artemisia canadensis* Michx.**

Note: Reported from Mariupol (Donetsk region, SE Ukraine) as adventive (Kondratyuk, Burda & Ostapko, 1985); needs confirmation. No specimens seen.

***Artemisia campestris* L.**

***Artemisia caucasica* Willd.**

{*Artemisia codonocephala* auct. non Diels} = *Artemisia umbrosa*

(*Artemisia cretacea* Kotov) = *Artemisia nutans*

(*Artemisia dniproica* Klokov) = *Artemisia campestris*

{*Artemisia dniproica* auct. non Klokov, p.p.} = *Artemisia marschalliana*

***Artemisia dracunculus* L.**

***Artemisia dzevanovskyi* Leonova**

(*Artemisia elatior* Klokov) = *Artemisia abrotanum*

(*Artemisia fragrans* Willd.) = *Artemisia lerchiana*

***Artemisia glauca* Pall. ex Willd.**

Note: A rare alien species known from several localities in Central and SE Ukraine, along railroads.

(*Artemisia graveolens* Minat.) = *Artemisia taurica*

***Artemisia hololeuca* M.Bieb. ex Besser**

Conservation status: RDBU (2); IUCN RL (V); ERL (V).

(*Artemisia inodora* M.Bieb. 1808, non Mill. 1768) = *Artemisia marschalliana*

(*Artemisia lanulosa* Klokov) = *Artemisia caucasica*

***Artemisia lerchiana* Weber ex Stechm.**

{*Artemisia maritima* auct. non L.} = *Artemisia santonica*

***Artemisia marschalliana* Spreng.**

[*Artemisia marschalliana* Spreng. var. *tschernieviana* (Besser) Leonova] = *Artemisia tschernieviana*

***Artemisia nutans* Willd.**

***Artemisia pontica* L.**

(*Artemisia praticola* Klokov) = *Artemisia santonica*

(*Artemisia procera* Willd.) = *Artemisia abrotanum*

(*Artemisia pseudofragrans* Klokov) = *Artemisia lerchiana*

(*Artemisia repens* Pall. ex Willd.) = *Artemisia austriaca*

***Artemisia rubripes* Nakai**

Note: A rare alien species collected in one locality in Kiev; now disappeared.

***Artemisia salsoloides* Willd.**

***Artemisia santonica* L.**

***Artemisia scoparia* Waldst. & Kit.**

***Artemisia selengensis* Turcz. ex Besser**

Note: A rare alien species known from Myronivka, Kiev region (see M. Bortnyak & Y. Voytyuk, 1991, Ukr. Bot. Zhurn. 48(4): 91-93).

***Artemisia sieversiana* Willd.**

(*Artemisia stepposa* B.Keller) = *Artemisia santonica*

(*Artemisia tanaitica* Klokov) = *Artemisia salsoloides*

***Artemisia taurica* Willd.**

***Artemisia tournefortiana* Rchb.**

***Artemisia trautvetteriana* Besser**

***Artemisia tschernieviana* Besser ~ *Artemisia marschalliana***

***Artemisia umbrosa* (Turcz. ex Besser) Pamp.**

Note: A rare alien species persisting in several localities in Kiev.

***Artemisia verlotiorum* Lamotte**

Note: In Ukraine this alien species is known only from Crimea. Other records refer to

*A. umbrosa* and related East Asian taxa (see O. Dubovik & S. Mosyakin, 1991, Bot. Zhurn. 76(10): 1408-1411).

{*Artemisia verlotiorum* auct. non Lamotte} = *Artemisia umbrosa*

***Artemisia vulgaris* L.**

***Aster alpinus* L.**

Conservation status: RDBU (2).

(*Aster amelloides* Besser 1822, non Hoffm. 1801) = *Aster bessarubicus*

***Aster amellus* L.**

[*Aster amellus* L. subsp. *bessarubicus* (Bernh. ex Rchb.) Soó] = *Aster bessarubicus*

[*Aster amellus* L. subsp. *ibericus* (M.Bieb.) Avetis.] = *Aster ibericus*

(*Aster annuus* L.) = *Phalacrolooma annuum*

[*Aster bellidiastrum* (L.) Scop.] = *Bellidiastrum micheli*

**Aster bessarabicus** Bernh. ex Rehb. ~ **Aster amellus**  
 (**Aster canadensis** (L.) E.H.L.Krause) = **Conyza canadensis**  
 (**Aster canadensis** (L.) Kuntze) = **Solidago canadensis**  
 (**Aster chinensis** L.) = **Callistephus chinensis**  
 (**Aster conyzae** Greiss.) = **Inula conyzae**  
 [**Aster dracunculoides** Lam.] = **Galatella dracunculoides**

**\*?Aster dumosus** L.

Note: Reported by S. Fodor (1974) for Transcarpathia (cultivated); needs confirmation.

**\*?Aster ericoides** L.

Note: Reported by S. Fodor (1974) for Transcarpathia (cultivated); needs confirmation.

**Aster ibericus** M.Bieb. ~ **Aster amellus**  
 (**Aster jaiilicola** Juz. in herb.) = **Aster ibericus**

**\*Aster laevis** L.

**\*!Aster lanceolatus** Willd.

Note: This and some other ornamental species of *Aster* are successfully naturalized in many regions of Ukraine.

[**Aster linosyris** (L.) Bernh.] = **Galatella linosyris**

**\*!Aster novae-angliae** L.

**\*!Aster novi-belgii** L.

[**Aster pannonicus** Jacq.] = **Tripolium pannonicum**

**\*Aster parviflorus** Nees ~ **Aster lanceolatus**

[**Aster punctatus** Waldst. & Kit.] = **Galatella punctata**

**\*!Aster × salignus** Willd. = **Aster lanceolatus** × **Aster novi-belgii**

(**Aster simplex** Willd.) = **Aster lanceolatus**

{**Aster squamatus** auct. non (Spreng.) Hieron.} = **Conyzanthus graminifolius**

{**Aster tradescantii** auct. non L.} = **Aster parviflorus**

Note: *Aster tradescantii* has been reported by S. Fodor (1974) for Transcarpathia as cultivated. Since S. Fodor probably relied on Central European manuals, where the name *A. tradescantii* was usually misapplied to *A. parviflorus*, we can assume that most probably his record refers to the latter species.

[**Aster tripolium** L.] = **Tripolium vulgare**

[**Aster tripolium** L. subsp. **pannonicum** (Jacq.) Soó] = **Tripolium pannonicum**

**\*!Aster versicolor** Willd.

Note: Probably a hybrid *A. novi-belgii* × *A. laevis*.

**Balsamita major** Desf.

[**Barkhausia alpina** (L.) DC.] = **Crepis alpina**

[**Barkhausia foetida** (L.) DC.] = **Crepis foetida**

(**Barkhausia hispida** (Waldst. & Kit.) Link) = **Crepis setosa**

(*Barkhausia marschallii* C.A.Mey.) = *Crepis marschallii*  
(*Barkhausia pseudalpina* Klokov) = *Crepis alpina*  
[*Barkhausia rhoeadifolia* (M.Bieb.) M.Bieb.] = *Crepis rhoeadifolia*  
[*Barkhausia setosa* (Hall.f.) DC.] = *Crepis setosa*

**?*Bellidastrium michelii* Cass.**

Note: Reported for the Carpathians (Fodor, 1974), as *Aster bellidiastrum*; needs confirmation.

***Bellis perennis* L.**

***Bellis sylvestris* Cyr.**

***Bidens cernua* L.**

***Bidens connata* Muehl. ex Willd.**

Note: A rare alien species known from Kiev region (see S. Mosyakin, 1988, Ukr. Bot. Zhurn. 45(2): 72-74).

***Bidens frondosa* L.**

(*Bidens melanocarpa* Wiegand) = *Bidens frondosa*

(*Bidens orientalis* Velen.) = *Bidens tripartita* var. *orientalis*

***Bidens radiata* Thuill.**

***Bidens tripartita* L.**

***Bidens tripartita* L. var. *orientalis* (Velen.) Stoj. & Stef.**

(*Bombycilaena bombycina* (Lag.) Soják) = *Bombycilaena discolor*

***Bombycilaena discolor* (Pers.) Lainz**

Note: In Ukraine known only from Crimea (near Balaklava).

***Bombycilaena erecta* (L.) Smoljan.**

***Brachyactis ciliata* (Ledeb.) Ledeb.**

(*Buphtalmum speciosum* Schreb.) = *Telekia speciosa*

(*Calcitrapa stellaris* Hill) = *Centaurea calcitrapa*

***Calendula arvensis* L.**

**\*!*Calendula officinalis* L.**

**\*!*Callistephus chinensis* (L.) Nees**

***Carduus acanthoides* L.**

(*Carduus acarna* L.) = *Picnomom acarna*

**Carduus arabicus** Jacq.

(*Carduus arvensis* (L.) Smith) = *Cirsium arvense*

(*Carduus attenuatus* Klokov) = *Carduus thoermeri*

(*Carduus bicolorifolius* Klokov) = *Carduus personata*

(*Carduus canus* L.) = *Cirsium canum*

(*Carduus ciliatus* Murray) = *Cirsium ciliatum*

**Carduus cinereus** M.Bieb.

**Carduus collinus** Waldst. & Kit.

Note: Reported for the Carpathians, Chornohora Range (Fodor, 1974); needs confirmation.

Other records of this species from Ukraine belong to *C. hamulosus*.

**Carduus crispus** L.

(*Carduus cyanoides* L.) = *Jurinea cyanoides*

{*Carduus defloratus* auct. non L.} = *Carduus glaucinus*

(*Carduus erisithales* Jacq.) = *Cirsium erisithales*

(*Carduus fortior* Klokov) = *Carduus acanthoides*

**Carduus glaucinus** Holub

(*Carduus glaucus* Baumg. 1816, non Cavan. 1795) = *Carduus glaucinus*

**Carduus hamulosus** Ehrh.

(*Carduus heterophyllus* L.) = *Cirsium heterophyllum*

(*Carduus incanus* Klokov) = *Carduus crispus*

**Carduus kernerii** Simonk.

(*Carduus kondratjukii* Gorlaczova) = *Carduus nutans*

(*Carduus lanceolatum* L.) = *Cirsium vulgare*

(*Carduus leiophyllus* Petrovič) = *Carduus thoermeri*

(*Carduus marianus* L.) = *Silybum marianum*

**Carduus nutans** L.

[*Carduus nutans* L. subsp. *leiophyllus* (Petrovič) Stoj. & Stef.] = *Carduus thoermeri*

(*Carduus lanceolatus* L.) = *Cirsium vulgare*

(*Carduus leiophyllus* Petrovic) = *Carduus thoermeri*

(*Carduus palustris* L.) = *Cirsium palustre*

(*Carduus pannonicus* L.f.) = *Cirsium pannonicum*

**Carduus personata** (L.) Jacq.

**Carduus pseudocollinus** (Schmalh.) Klokov ~ *Carduus hamulosus*

**Carduus pycnocephalus** L.

(*Carduus rivularis* Jacq.) = *Cirsium rivulare*

**Carduus stenocephalus** Tamamsch.

Note: Probably a hybrid between *C. hamulosus* and *C. uncinatus*.

**Carduus tauricus** Klokov ~ *Carduus hamulosus*

**Carduus thoermeri** Weinm.

**Carduus tortuosus** Gorlaczova & Kondr. ~ *Carduus hamulosus*

(*Carduus tyraicus* Klokov) = *Carduus hamulosus*

**Carduus uncinatus** M.Bieb.

(*Carduus uncinatus* M.Bieb. subsp. *davisii* Kazmi) = *Carduus uncinatus*

(*Carduus vulgaris* Savi) = *Cirsium vulgare*

**Carlina acaulis** L.

{*Carlina acanthifolia* auct. non All.} = *Carlina onopordifolia*

**Carlina biebersteinii** Bernh. ex Hornem.

(*Carlina biebersteinii* Bernh. ex Hornem. subsp. *brevibracteata* (Andrae) Werner) = *Carlina intermedia*

**Carlina cirsiioides** Klokov

Conservation status: RDBU (2); ERL (E).

**Carlina intermedia** Schur

**Carlina onopordifolia** Besser ex Szafer, Kulcz. & Pawł.

Conservation status: RDBU (1); IUCN RL (V).

**Carlina taurica** Klokov ~ *Carlina vulgaris*

{*Carlina utzka* auct. non Hacq.} = *Carlina onopordifolia*

**Carlina vulgaris** L.

[*Carlina vulgaris* L. subsp. *longifolia* Nyman] = *Carlina biebersteinii*

[*Carlina vulgaris* L. subsp. *intermedia* (Schur) Hayek] = *Carlina intermedia*

**Carpesium cernuum** L.

**Carthamus glaucus** M.Bieb.

**Carthamus lanatus** L.

\*!**Carthamus tinctorius** L.

**Centaurea abbreviata** (K.Koch) Hand.-Mazz.

**Centaurea adamii** Willd. ~ *Centaurea solstitialis*

**Centaurea adpressa** Ledeb.

**Centaurea aemulans** Klokov

Conservation status: ERL (R).

{*Centaurea alpestris* auct. non Hegetschw.} = *Centaurea ossetica*

**Centaurea alutacea** Dobrocz. ~ *Centaurea phrygia* aggr.

**Centaurea apiculata** Ledeb.

[*Centaurea apiculata* Ledeb. subsp. *adpressa* (Ledeb.) Dostál] = *Centaurea adpressa*

**Centaurea appendicata** Klokov

Conservation status: ERL (R).

**Centaurea arenaria** M.Bieb.

[*Centaurea arenaria* M.Bieb. subsp. *borysthenea* (Grun.) Dostál] = *Centaurea borysthenea*

[*Centaurea arenaria* M.Bieb. subsp. *majorovii* (Dumbadze) Dostál] = *Centaurea majorovii*

[*Centaurea arenaria* M.Bieb. subsp. *odessana* (Prodán) Dostál] = *Centaurea odessana*



(*Centaurea austriaca* Willd.) = *Centaurea phrygia*

*Centaurea besseriana* DC.

*Centaurea biebersteinii* DC.

*Centaurea borysthenea* Grun.

*Centaurea breviceps* Iljin

Conservation status: RDBU (4).

*Centaurea calcitrapa* L.

{*Centaurea cana* auct. non Sibth. & Smith} = *Centaurea fuscomarginata*

*Centaurea caprina* Steven

*Centaurea carbonata* Klokov

*Centaurea carpatica* (Porcius) Porcius

Conservation status: RDBU (3).

*Centaurea* × *comperiana* Steven = *Centaurea caprina* × *Centaurea substituta*

(*Centaurea crupina* L.) = *Crupina vulgaris*

*Centaurea cyanus* L.

*Centaurea declinata* M.Bieb.

*Centaurea depressa* M.Bieb.

*Centaurea diffusa* Lam.

*Centaurea* × *dobroczaeae* Tzvelev = *Centaurea diffusa* × *Centaurea pseudomaculosa*

*Centaurea dominii* (Dostál) Dubovik

*Centaurea donetzica* Klokov

Conservation status: RDBU (2); ERL (R).

*Centaurea fuscomarginata* (K.Koch) Juz.

*Centaurea* × *hypanica* Pacz. = *Centaurea diffusa* × *Centaurea margarita-alba*

*Centaurea iberica* Trev.

*Centaurea* × *iljiniana* Illar. = *Centaurea caprina* × *Centaurea sterilis*

*Centaurea indurata* Janka ~ *Centaurea phrygia* aggr.

*Centaurea jacea* L.

*Centaurea* × *klokovii* Tzvelev = *Centaurea pseudomaculosa* × *Centaurea substituta*

(*Centaurea koktebelica* Klokov) = *Centaurea caprina*

*Centaurea konkai* Klokov

Conservation status: RDBU (1); ERL (R).

*Centaurea kotschyana* Heuff.

*Centaurea lavrenkoana* Klokov

*Centaurea* × *livonica* Weinm. = *Centaurea jacea* × *Centaurea phrygia*

*Centaurea* × *longiaristata* Illar. = *Centaurea diffusa* × *Centaurea sterilis*

*Centaurea majorovii* Dumbadze

*Centaurea margaritacea* Ten.

Conservation status: RDBU (1); IUCN RL (V); ERL (V).

[*Centaurea margaritacea* Ten. subsp. *appendicata* (Klokov) Dostál] = *Centaurea appendicata*

[*Centaurea margaritacea* Ten. subsp. *breviceps* (Iljin) Dostál] = *Centaurea breviceps*

[*Centaurea margaritacea* Ten. subsp. *donetzica* (Klokov) Dostál] = *Centaurea donetzica*

[*Centaurea margaritacea* Ten. subsp. *konkae* (Klokov) Dostál] = *Centaurea konkae*  
 [*Centaurea margaritacea* Ten. subsp. *margarita-alba* (Klokov) Dostál] = *Centaurea margarita-alba*  
 [*Centaurea margaritacea* Ten. subsp. *paczoskii* (Kotov ex Klokov) Dostál] = *Centaurea paczoskii*  
 [*Centaurea margaritacea* Ten. subsp. *protogerberi* (Klokov) Dostál] = *Centaurea protogerberi*  
 [*Centaurea margaritacea* Ten. subsp. *protomargaritacea* (Klokov) Dostál] = *Centaurea protomargaritacea*  
 (*Centaurea margaritacea* Ten. subsp. *pseudoleucolepis* (Kleopow) Dostál) = *Centaurea pseudoleucolepis*  
***Centaurea margarita-alba* Klokov**  
 Conservation status: RDBU (1); ERL (R), as *C. margaritalba*.  
***Centaurea marmarosiensis* (Jáv.) Czerep. ~ *Centaurea mollis***  
***Centaurea marschalliana* Spreng.**  
***Centaurea melanocalathia* Borbás**  
 (*Centaurea micranthos* S.G.Gmel. ex Hayek 1901, non *Centaurea micrantha* Duf. 1831) = *Centaurea biebersteinii*  
***Centaurea mollis* Waldst. & Kit.**  
 \****Centaurea montana* L. s.str.**  
 {*Centaurea montana* auct. non L.} = *Centaurea mollis* & *Centaurea marmarosiensis*  
 [*Centaurea moschata* L.] = *Amberboa moschata*  
 (*Centaurea nigriceps* Dobrocz.) = *Centaurea melanocalathia*  
***Centaurea* × *ninae* Juz. = *Centaurea caprina* × *Centaurea vankovii***  
***Centaurea odessana* Prodán**  
***Centaurea orientalis* L.**  
***Centaurea ossetica* Sosn. ex Tzvelev**  
 [*Centaurea ovina* Pall. ex Willd. subsp. *bessieriana* (DC.) Dostál] = *Centaurea bessieriana*  
 [*Centaurea ovina* Pall. ex Willd. subsp. *koktebelica* (Klokov) Dostál] = *Centaurea koktebelica*  
 [*Centaurea ovina* Pall. ex Willd. subsp. *lavrenkoana* (Klokov) Dostál] = *Centaurea lavrenkoana*  
 [*Centaurea ovina* Pall. ex Willd. subsp. *stevieniana* (Klokov) Dostál] = *Centaurea stevieniana*  
***Centaurea paczoskii* Kotov ex Klokov**  
 Conservation status: RDBU (1); ERL (R).  
***Centaurea pannonica* (Heuff.) Simonk.**  
 [*Centaurea pannonica* (Heuff.) Simonk. subsp. *substituta* (Czerep.) Dostál] = *Centaurea substituta*  
***Centaurea phrygia* L.**  
 [*Centaurea phrygia* L. subsp. *abbreviata* (K.Koch) Dostál] = *Centaurea abbreviata*  
 [*Centaurea phrygia* L. subsp. *carpatica* (Porcius) Dostál] = *Centaurea carpatica*  
 [*Centaurea phrygia* L. subsp. *melanocalathia* (Borbás) Dostál] = *Centaurea melanocalathia*  
 (*Centaurea phrygia* L. subsp. *nigriceps* (Dobrocz.) Dostál) = *Centaurea melanocalathia*  
 [*Centaurea phrygia* L. subsp. *pseudophrygia* (C.A.Mey.) Gugler] = *Centaurea pseudophrygia*

[*Centaurea phrygia* L. subsp. *stenolepis* (A.Kern.) Gugler] = *Centaurea stenolepis*  
(*Centaurea picris* Pall. ex Willd.) = *Acroptilon repens*

***Centaurea protogerberi* Klokov**

Conservation status: RDBU (1).

***Centaurea protomargaritacea* Klokov**

Conservation status: RDBU (1).

(*Centaurea pseudocoriacea* Dobrocz.) = *Centaurea apiculata*

***Centaurea pseudoleucolepis* Kleopow**

Conservation status: RDBU (1); IUCN RL (E).

***Centaurea pseudomaculosa* Dobrocz. ~ *Centaurea stoebe***

(*Centaurea pseudoovina* Illar.) = *Centaurea lavrenkoana*

***Centaurea pseudophrygia* C.A.Mey.**

(*Centaurea rhenana* Boreau) = *Centaurea stoebe*

(*Centaurea rhenana* Boreau subsp. *pseudomaculosa* (Dobrocz.) Dostál) = *Centaurea pseudomaculosa*

***Centaurea rubriflora* Illar. ~ *Centaurea salonitana***

Conservation status: RDBU (1).

***Centaurea ruthenica* Lam.**

{*Centaurea salicifolia* auct. non M.Bieb.} = *Centaurea abbreviata* ?

***Centaurea salonitana* Vis.**

***Centaurea sarandinakiae* Illar.**

Conservation status: RDBU (1).

***Centaurea savranica* Klokov**

***Centaurea scabiosa* L.**

***Centaurea semijusta* Juz.**

***Centaurea solstitialis* L.**

*Centaurea solstitialis* L. subsp. *adamii* (Willd.) Nyman] = *Centaurea adamii*

***Centaurea stenolepis* A.Kern.**

***Centaurea stereophylla* Besser**

***Centaurea sterilis* Steven**

[*Centaurea sterilis* Steven subsp. *semijusta* (Juz.) Dostál] = *Centaurea semijusta*

*Centaurea sterilis* Steven subsp. *vankovii* (Klokov) Dostál] = *Centaurea vankovii*

***Centaurea steveniana* Klokov**

***Centaurea stoebe* L.**

***Centaurea stricta* Waldst.& Kit.**

***Centaurea substituta* Czerep.**

***Centaurea sumensis* Kalen.**

***Centaurea taliewii* Kleopow**

Conservation status: RDBU (1); IUCN RL (1).

***Centaurea tanaitica* Klokov**

(*Centaurea ternopoliensis* Dobrocz.) = *Centaurea stricta*

{*Centaurea transcaucasica* auct. non Grossh.} = *Centaurea sarandinakiae*

***Centaurea trichocephalla*** M.Bieb.

***Centaurea trinervia*** Stephan

(*Centaurea trumfettii* All. subsp. *dominii* Dostál) = *Centaurea dominii*

(*Centaurea trumfettii* All. subsp. *stricta* (Waldst. & Kit.) Dostál) = *Centaurea stricta*

***Centaurea vankovii*** Klokov

***Cephalorrhynchus tuberosus*** (Steven) Schchian

**\*!Chamaemelum nobile** (L.) All.

**?Chamaemelum mixtum** (L.) All.

Note: Reported for Crimea (near Sevastopol) in 1897 by I.F. Schmalhausen. Needs confirmation.

(*Chamomilla recutita* (L.) Rauschert) = *Matricaria recutita*

(*Chamomilla suaveolens* (Pursh) Rydb.) = *Lepidotheca suaveolens*

(*Chamomilla tzvelevii* (Pobed.) Rauschert) = *Matricaria tzvelevii*

***Chartolepis intermedia*** Boiss.

***Chondrilla acantholepis*** Boiss.

***Chondrilla graminea*** M.Bieb.

***Chondrilla juncea*** L.

(*Chondrilla juncea* L. var. *acantholepis* (Boiss.) Aliev) = *Chondrilla acantholepis*

***Chondrilla latifolia*** M.Bieb.

(*Chrysanthemum alpinum* L.) = *Leucanthemopsis alpina*

**\*Chrysanthemum carinatum** Schousb.

**\*!Chrysanthemum coronarium** L.

(*Chrysanthemum corymbosum* L.) = *Pyrethrum corymbosum*

(*Chrysanthemum frutescens* L.) = *Argyranthemum frutescens*

(*Chrysanthemum indicum* L.) = *Dendranthema indicum*

(*Chrysanthemum inodorum* (L.) L.) = *Tripleurospermum inodorum*

(*Chrysanthemum ircutianum* (Turcz. ex DC.) Ledeb.) = *Leucanthemum ircutianum*

(*Chrysanthemum leucanthemum* L.) = *Leucanthemum vulgare*

(*Chrysanthemum leucanthemum* L. subsp. *ircutianum* (Turcz. ex DC.) Sukacz.) =  
*Leucanthemum ircutianum*

(*Chrysanthemum macrophyllum* Waldst. & Kit.) = *Pyrethrum macrophyllum*

(*Chrysanthemum maximum* Ramond) = *Leucanthemum maximum*

(*Chrysanthemum millefoliatum* L.) = *Tanacetum millefolium*

(*Chrysanthemum morifolium* Ramat.) = *Dendranthema morifolium*

{*Chrysanthemum myconis* L.) = *Coleostephus myconis*  
{*Chrysanthemum partheniifolium* (Willd.) Pers.) = *Pyrethrum partheniifolium*  
{*Chrysanthemum parthenium* (L.) Bernh.) = *Pyrethrum parthenium*  
{*Chrysanthemum rotundifolium* Waldst. & Kit.) = *Leucanthemum rotundifolium*

***Chrysanthemum segetum* L.**

{*Chrysanthemum serotinum* L.) = *Leucanthemella serotina*  
{*Chrysanthemum sinense* Sabine) = *Dendranthema morifolium*  
{*Chrysanthemum subcorymbosum* Schur) = *Pyrethrum elusii*  
{*Chrysanthemum vulgare* (L.) Bernh.) = *Tanacetum vulgare*  
{*Chrysanthemum zawadskii* Herbach) = *Dendranthema zawadskii*

***Cicerbita alpina* (L.) Wallr.**

**\**Cichorium endivia* L.**

{*Cichorium glabratum* C.Presl) = *Cichorium intybus* subsp. *glabratum*  
{*Cichorium glaucum* Hoffmgg. & Link) = *Cichorium intybus* subsp. *glabratum*

***Cichorium intybus* L.**

***Cichorium intybus* L. subsp. *glabratum* (C.Presl) Arcang.**  
{*Cichorium intybus* L. subsp. *glaucum* (Hoffmgg. & Link) Tzvelev) = *Cichorium intybus* subsp. *glabratum*

{*Cirsium acarna* (L.) Moench) = *Picnomom acarna*  
{*Cirsium acaule* (L.) Scop. subsp. *esculentum* (Siev.) K. Werner} = *Cirsium esculentum*  
***Cirsium alatum* (S.G.Gmel.) Bobrov**  
***Cirsium arvense* (L.) Scop.**  
{*Cirsium arvense* (L.) Scop. subsp. *incanum* (S.G.Gmel.) Petrak ex Iljin} = *Cirsium incanum*  
{*Cirsium arvense* (L.) Scop. subsp. *setosum* (Willd.) Iljin} = *Cirsium setosum*  
***Cirsium canum* (L.) All.**  
***Cirsium ciliatum* (Murray) Moench**  
***Cirsium decussatum* Janka**  
{*Cirsium elodes* auct. non M.Bieb.} = *Cirsium alatum*  
{*Cirsium eriophorum* auct. non (L.) Scop.} = *Cirsium polonicum*  
***Cirsium erisithales* (Jacq.) Scop.**  
***Cirsium* × *erucagineum* DC. = *Cirsium oleraceum* × *Cirsium rivulare***  
***Cirsium esculentum* (Siev.) C.A.Mey.**  
***Cirsium heterophyllum* (L.) Hill**  
***Cirsium* × *hybridum* W.D.J.Koch ex DC. = *Cirsium oleraceum* × *Cirsium palustre***  
***Cirsium incanum* (S.G.Gmel.) Fisch.**  
{*Cirsium lanceolatum* (L.) Scop. 1772, non Hill 1769) = *Cirsium vulgare*  
***Cirsium laniflorum* (M.Bieb.) M.Bieb.**  
{*Cirsium lipskyi* Klokov) = *Cirsium sublaniflorum*

*Cirsium oleraceum* (L.) Scop.  
*Cirsium palustre* (L.) Scop.  
*Cirsium pannonicum* (L.f.) Link  
*(Cirsium pauciflorum* (Waldst. & Kit.) Spreng. 1826, non Lam. 1778) = *Cirsium waldsteinii*  
*Cirsium polonicum* (Petrak) Iljin  
*Cirsium* × *reichardtii* Juratzka = *Cirsium paluste* × *Cirsium waldsteinii*  
*Cirsium rivulare* (Jacq.) All.  
*Cirsium roseolum* Gorlaczewa ~ *Cirsium esculentum*  
*Cirsium serrulatum* (M.Bieb.) Fisch.  
*Cirsium setosum* (Willd.) Besser  
*Cirsium* × *silesiacum* Sch.Bip. = *Cirsium canum* × *Cirsium palustre*  
*Cirsium sublaniflorum* Soják ~ *Cirsium laniflorum*  
*Cirsium tauricum* Soják  
*(Cirsium ucrainicum* Besser) = *Cirsium ukranicum*  
*Cirsium ukranicum* Besser  
*Cirsium vulgare* (Savi) Ten.  
*Cirsium waldsteinii* Rouy

*Cnicus benedictus* L.  
*(Cnicus laniflorus* M.Bieb.) = *Cirsium laniflorum*  
*(Cnicus oleraceus* L.) = *Cirsium oleraceum*  
*(Cnicus serrulatus* M.Bieb.) = *Cirsium serrulatum*

*Coleostephus myconis* (L.) Rehb.

*(Colobium saxatile* (Lam.) Holub) = *Leontodon saxatilis*  
*(Colobium taraxacoides* (Vill.) Holub) = *Leontodon saxatilis*

*(Colymbada adpressa* (Ledeb.) Holub) = *Centaurea adpressa*  
*(Colymbada apiculata* (Ledeb.) Holub) = *Centaurea apiculata*  
*(Colymbada kotschyana* (Heuff.) Holub) = *Centaurea kotschyana*  
*(Colymbada orientalis* (L.) Holub) = *Centaurea orientalis*  
*(Colymbada salonitana* (Vis.) Holub) = *Centaurea salonitana*  
*(Colymbada scabiosa* (L.) Holub) = *Centaurea scabiosa*  
*(Colymbada stereophylla* (Besser) Holub) = *Centaurea stereophylla*

*Conyza canadensis* (L.) Cronq.  
*(Conyza graminifolia* Spreng.) = *Conyzanthus graminifolius*  
*(Conyza squarrosa* L.) = *Inula conyzae*

*Conyzanthus graminifolius* (Spreng.) Tamamsch.

\*!*Coreopsis grandiflora* Hogg ex Sweet

\**Coreopsis lanceolata* L.

\*!*Coreopsis tinctoria* Nutt.

\*!*Cosmos bipinnatus* Cav.

\**Cosmos sulphureus* Cav.

(*Cota austriaca* (Jacq.) Sch.Bip.) = *Anthemis austriaca*

(*Cota tinctoria* (L.) Gay) = *Anthemis tinctoria*

*Crepis alpina* L.

*Crepis biennis* L.

*Crepis capillaris* (L.) Wallr.

*Crepis confusa* Wol. – *Crepis conyzifolia*

*Crepis conyzifolia* (Gouan) A.Kern.

[*Crepis conyzifolia* (Gouan) A.Kern. subsp. *confusa* (Wol.) Domin] = *Crepis conyzifolia*

*Crepis foetida* L.

[*Crepis foetida* L. subsp. *rhoeadifolia* (M.Bieb.) Čelak.] = *Crepis rhoeadifolia*

*Crepis jacquinii* Tausch

(*Crepis lodomeriensis* Besser) = *Crepis biennis*

{*Crepis marschallii* auct. non (C.A.Mey.) Sch.Bip.}

Note: This species has been erroneously reported from Crimea. Its occurrence in Ukraine is not confirmed.

*Crepis micrantha* Czerep.

*Crepis mollis* (Jacq.) Asch.

*Crepis paludosa* (L.) Moench

*Crepis pannonica* (Jacq.) K.Koch

(*Crepis parviflora* Desf. 1807, non Moench 1794) = *Crepis micrantha*

(*Crepis planitierum* Klokov) = *Crepis mollis*

*Crepis praemorsa* (L.) Tausch

*Crepis pulchra* L.

[*Crepis purpurea* (Willd.) M.Bieb.] = *Lagoseris purpurea*

*Crepis ramosissima* D'Urv.

*Crepis rhoeadifolia* M.Bieb.

[*Crepis sancta* (L.) Babç.] = *Pterotheca sancta*

*Crepis setosa* Hall.f.

*Crepis sibirica* L.

*Crepis tectorum* L.

(*Crepis tristis* Klokov) = *Crepis biennis*

{*Crepis tristis* auct. non Klokov} = *Crepis jacquinii*

[*Crepis zacintha* (L.) Babç.] = *Zacintha verrucosa*

(*Crinitaria linosyris* (L.) Less.) = *Galatella linosyris*  
(*Crinitaria tatarica* (Less.) Czerep.) = *Galatella tatarica*  
(*Crinitaria villosa* (L.) Cass.) = *Galatella villosa*

(*Crinitina linosyris* (L.) Soják) = *Galatella linosyris*  
(*Crinitina villosa* (L.) Soják) = *Galatella villosa*

***Crupina vulgaris* Cass.**

(*Cyanus marmarosiensis* (Jáv.) Dostál) = *Centaurea marmarosiensis*  
(*Cyanus mollis* (Waldst. & Kit.) J.Presl & C.Presl) = *Centaurea mollis*  
(*Cyanus montanus* (L.) Mill.) = *Centaurea montana*  
(*Cyanus segetum* Hill) = *Centaurea cyanus*  
(*Cyanus triumfettii* (All.) Dostál subsp. *dominii* (Dostál) Dostál) = *Centaurea dominii*  
(*Cyanus triumfettii* (All.) Dostál subsp. *strictus* (Waldst. & Kit.) Dostál) = *Centaurea stricta*

[*Cyclachaena xanthiifolia* (Nutt.) Fresen.] = *Iva xanthiifolia*

***Cynara scolymus* L.**

**\**Dahlia pinnata* Cav.**

**\**Dendranthema indicum* (L.) Des Moul.**

**\**Dendranthema morifolium* (Ramat.) Tzvelev**

(*Dendranthema sinense* (Sabine) Des Moul.) = *Dendranthema morifolium*

***Dendranthema zawadskii* (Herbich) Tzvelev**

{*Dimorphotheca aurantiaca* auct. non DC.} = *Dimorphotheca hybrida*

**\**Dimorphotheca hybrida* (L.) DC.**

**\**Dimorphotheca pluvialis* (L.) Moench**

***Doronicum austriacum* Jacq.**

(*Doronicum bellidiastrum* L.) = *Bellidiastrum michelii*

***Doronicum carpaticum* (Griseb. & Schenk) Nyman**

{*Doronicum clusii* auct. non (All.) Tausch} = *Doronicum stiriaceum* s.str.

(*Doronicum clusii* (All.) Tausch subsp. *stiriaceum* (Vill.) Vierh.) = *Doronicum stiriaceum*

[*Doronicum clusii* (All.) Tausch subsp. *villosum* (Tausch) Vierh.] = *Doronicum stiriaceum*

{*Doronicum columnae* auct. non Ten.} = *Doronicum carpaticum*

***Doronicum hungaricum* Rech.f.**

Conservation status: RDBU (2).

***Doronicum orientale* O.Hoffm.**



**\**Doronicum pardalianches* L.**

*Doronicum stiriacum* (Vill.) Dalla Torre ~ *Doronicum clusii* s.l.

Conservation status: RDBU (2). as *Doronicum clusii*.

**\*!*Echinacea purpurea* (L.) Moench**

***Echinops armatus* Steven**

{*Echinops banaticus* auct. non Rochel ex Schrad.} = *Echinops armatus*

(*Echinops commutatus* Juratzka) = *Echinops exaltatus*

***Echinops exaltatus* Schrad.**

[*Echinops ritro* L. subsp. *ruthenicus* (M.Bieb.) Nyman] = *Echinops ruthenicus*

{*Echinops ritro* auct. non L.} = *Echinops ruthenicus*

***Echinops ruthenicus* M.Bieb.**

***Echinops sphaerocephalus* L.**

***Erechtites hieracifolia* (L.) Raf. ex DC.**

{*Erigeron acer* auct.} = *Erigeron acris*

***Erigeron acris* L.**

[*Erigeron acris* L. subsp. *angulosus* (Gaudin) Vacc.] = *Erigeron angulosus*

[*Erigeron acris* L. subsp. *droebachiensis* (O.F.Müll.) Arcang.] = *Erigeron droebachiensis*

***Erigeron alpinus* L.**

***Erigeron angulosus* Gaudin ~ *Erigeron acris* aggr.**

Note: Reported for the Carpathians (Fodor, 1974); probably conspecific with *E. droebachiensis*.

[*Erigeron annuus* (L.) Pers.] = *Phalacroloma annuum*

[*Erigeron annuus* (L.) Pers. subsp. *septentrionalis* (Fernald & Wiegand) Wagenitz] =  
*Phalacroloma septentrionale*

[*Erigeron annuus* (L.) Pers. subsp. *strigosus* (Muehl. ex Willd.) Wagenitz] = *Phalacroloma strigosum*

(*Erigeron asteroides* Andr. ex Besser 1822, non Roxb. 1814) = *Erigeron podolicus*

[*Erigeron canadensis* L.] = *Conyza canadensis*

(*Erigeron ciliatus* Ledeb.) = *Brachyactis ciliata*

***Erigeron droebachiensis* O.F.Müll. ~ *Erigeron acris* aggr.**

(*Erigeron elongatus* Ledeb. 1829, non Moench 1802) = *Erigeron politus*

***Erigeron macrophyllus* Herbieh ~ *Erigeron acris* aggr.**

***Erigeron orientalis* Boiss.**

***Erigeron podolicus* Besser ~ *Erigeron acris* aggr.**

***Erigeron politus* Fr. ~ *Erigeron acris* aggr.**

**\**Erigeron speciosus* (Lindl.) DC.**

***Erigeron uniflorus* L.**

**Eupatorium cannabinum L.**

(*Filaginella rossica* (Kirp.) Tzvelev) = *Gnaphalium rossicum*

(*Filaginella uliginosa* (L.) Opiz) = *Gnaphalium uliginosum*

(*Filaginella uliginosa* (L.) Opiz subsp. *rossica* (Kirp.) Holub) = *Gnaphalium rossicum*

**Filago arvensis L.**

**Filago eriocephala Guss.**

(*Filago germanica* L. 1763, non Huds. 1762) = *Filago vulgaris*

**Filago minima (Smith) Pers.**

{*Filago montana* auct. non L.} = *Filago arvensis*

**Filago vulgaris Lam.**

**\*Gaillardia aristata Pursh**

**\*Gaillardia pulchella Foug.**

**Galatella biflora (L.) Nees**

**Galatella dracunculoides (Lam.) Nees**

**Galatella linosyris (L.) Rchb.f.**

(*Galatella novopokrovskii* Zefir.) = *Galatella biflora*

**Galatella punctata (Waldst. & Kit.) Nees**

[*Galatella punctata* (Waldst. & Kit.) Nees subsp. *rossica* (Novopokr.) Novopokr.] =  
*Galatella rossica*

**Galatella rossica Novopokr.**

**Galatella × subvillosa Tzvelev** = *Galatella linosyris* × *Galatella villosa*

**Galatella tatarica (Less.) Novopokr.**

**Galatella villosa (L.) Rchb.f.**

(*Galinsoga ciliata* (Raf.) S.F.Blake) = *Galinsoga urticifolia*

?*Galinsoga* × *mixta* J.Murray = *Galinsoga parviflora* × *Galinsoga* <sup>\*</sup>*urticifolia*

**Galinsoga parviflora Cav.**

{*Galinsoga quadriradiata* auct. non Ruiz & Pav.} = *Galinsoga urticifolia*

**Galinsoga urticifolia (Kunth) Benth.**

**Geropogon hybridus (L.) Sch.Bip.**

(*Gnaphalium carpaticum* Wahlenb.) = *Antennaria carpatica*

(*Gnaphalium dioicum* L.) = *Antennaria dioica*

**?Gnaphalium hoppeanum W.D.J.Koch**

Note: Records from Ukraine need confirmation.

(*Gnaphalium leontopodium* L.) = *Leontopodium alpinum*

**Gnaphalium luteoalbum** L.  
**Gnaphalium norvegicum** Gunn.  
**Gnaphalium rossicum** Kirp. ~ **Gnaphalium uliginosum** s.l.  
**Gnaphalium supinum** L.  
**Gnaphalium sylvaticum** L.  
**Gnaphalium uliginosum** L.

**Grindelia squarrosa** (Pursh) Dunal

\***Guizotia abyssinica** (L.f.) Cass.

**Hedypnois cretica** (L.) Dum.-Cours.

[**Hedypnois rhagadioloides** (L.) F.W.Schmidt subsp. **cretica** (L.) Hayek] = **Hedypnois cretica**

\***Helianthus annuus** L.

\*!**Helianthus decapetalus** L.

Note: At least some records of this species from Ukraine were based on misidentifications; its distribution is insufficiently known.

\*!**Helianthus** × **laetiflorus** Pers. = **Helianthus rigidus** × **Helianthus tuberosus**

**Helianthus petiolaris** Nutt.

Note: A rare alien found in Odessa in 1963.

\*!**Helianthus rigidus** (Cass.) Desf.

\***Helianthus salicifolius** A.Dietr.

Note: Reported as cultivated in Kiev and Uzhgorod.

**Helianthus strumosus** L.

\*!**Helianthus subcanescens** (A.Gray) E.E.Watson

Note: A completely naturalized invasive species.

\*!**Helianthus tuberosus** L.

[**Helianthus tuberosus** L. var. **subcanescens** A.Gray] = **Helianthus subcanescens**

**Helichrysum arenarium** (L.) Moench

[**Helichrysum arenarium** (L.) Moench subsp. **ponticum** (Velen.) Clapham] = **Helichrysum corymbiforme**

(**Helichrysum arenarium** (L.) Moench var. **ponticum** Velen.) = **Helichrysum corymbiforme**

**Helichrysum buschii** Juz.

Note: Probably a hybrid between *H. arenarium* and *H. graveolens* ?

**Helichrysum bracteatum** (Vent.) Andrews

**Helichrysum corymbiforme** Opperman ex Katina

**Helichrysum graveolens** (M.Bieb.) Sweet

?**Helichrysum italicum** (Roth) Guss.

Note: Reported for Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

**Helichrysum petiolare** O.M.Hilliard & B.L.Burt  
{*Helichrysum petiolatum* auct. non (L.) DC.} = *Helichrysum petiolare*

**\*!Heliopsis scabra** Dunal

(*Helminthia echiioides* (L.) Juss.) = *Picris echiioides*

[*Helminthoteca echiioides* (L.) Holub] = *Picris echiioides*

(*Hieracium acrothyrsum* Naeg. & Peter) = *Pilosella* × *melinomeles*

**Hieracium acuminatum** Jord.

[*Hieracium acutisquamum* (Naeg. & Peter) Ueksis] = *Pilosella acutisquama*

[*Hieracium aestivum* Fr. subsp. *conicum* (Arv.-Touv.) Zahn] = *Hieracium conicum*

[*Hieracium aestivum* Fr. subsp. *crocatum* (Fr.) Zahn] = *Hieracium crocatum*

**Hieracium alpinum** L.

[*Hieracium alpinum* L. subsp. *apiculatum* (Tausch) Zahn] = *Hieracium apiculatum*

[*Hieracium alpinum* L. subsp. *gymnogenum* Zahn] = *Hieracium gymnogenum*

[*Hieracium alpinum* L. subsp. *melanocephalum* (Tausch) Zahn] = *Hieracium melanocephalum*

(*Hieracium alupkanum* (Zahn) Ueksis) = *Pilosella* × *auriculoides*

[*Hieracium amaureilema* (Naeg. & Peter) Ueksis] = *Pilosella amaureilema*

**Hieracium ammobium** P.D.Sell & C.West

(*Hieracium anocladum* (Naeg. & Peter) Ueksis) = *Pilosella* × *mollicaulis*

[*Hieracium apatellum* Naeg. & Peter] = *Pilosella* × *apatelia*

**Hieracium apiculatum** Tausch ~ *Hieracium alpinum* aggr.

[*Hieracium aquilonare* (Naeg. & Peter) Ueksis] = *Pilosella aquilonaris*

**Hieracium argillaceum** Jord.

[*Hieracium aridum* Freyn] = *Pilosella* × *arida*

[*Hieracium armeniacum* (Naeg. & Peter) Ueksis] = *Pilosella armeniaca*

(*Hieracium arvense* (Naeg. & Peter) Ueksis) = *Pilosella* × *auriculoides*

[*Hieracium arvicola* Naeg. & Peter] = *Pilosella* × *arvicola*

[*Hieracium asiaticum* (Naeg. & Peter) Ueksis] = *Pilosella asiatica*

(*Hieracium asperrimum* Schur) = *Pilosella* × *auriculoides*

**Hieracium atratum** Fr. aggr.

[*Hieracium atratum* Fr. subsp. *atrellum* Zahn] = *Hieracium atrellum*

[*Hieracium atratum* Fr. subsp. *ihrowyszczenze* Zahn] = *Hieracium ihrowyszczenze*

[*Hieracium atratum* Fr. subsp. *subnigrescens* (Fr. ex Norrl.) Zahn] = *Hieracium subnigrescens*

**Hieracium atrellum** (Zahn) Ueksis ~ *Hieracium atratum* aggr.

[*Hieracium aurantiacum* L.] = *Pilosella aurantiaca*

[*Hieracium aurantiacum* L. subsp. *carpathicola* Naeg. & Peter] = *Pilosella carpathicola*

**Hieracium auratum** Fr.

(*Hieracium auricula* Lam. & DC.) = *Pilosella lactucella*

[*Hieracium auriculoides* Lang] = *Pilosella* × *auriculoides*

[*Hieracium bauhinii* Besser] = *Pilosella bauhinii*

(*Hieracium bauhiniflorum* (Naeg. & Peter) Ueksip) = *Pilosella* × *mollicaulis*

[*Hieracium besserianum* Spreng.] = *Pilosella besseriana*

***Hieracium bifidellum*** (Zahn) P.D.Sell & C. West

[*Hieracium bifidum* subsp. *cardiobasis* Zahn] = *Hieracium cardiobasis*

[*Hieracium bifidum* subsp. *lonchopodium* Zahn] = *Hieracium lonchopodium*

[*Hieracium bifidum* subsp. *psammigenes* Zahn] = *Hieracium ammobium*

[*Hieracium bifurcum* M.Bieb.] = *Pilosella* × *bifurca*

[*Hieracium blyttianum* Fr.] = *Pilosella* × *blyttiana*

?***Hieracium borodinianum*** Ueksip ~ *Hieracium vulgatum* aggr.

Note: Records from northern Ukraine need confirmation.

***Hieracium borzawae*** (Wol. & Zahn) Schljak. ~ *Hieracium rohacsense*

(*Hieracium botrychodes* (Zahn) Ueksip, nom. inval.) = *Pilosella botrychodes*

[*Hieracium brachiatum* Bertol. ex Lam.] = *Pilosella* × *brachiata*

***Hieracium bupleurifolioides*** (Zahn) Ueksip

***Hieracium bupleurifolium*** (Tausch) Ueksip

{*Hieracium bupleuroides* auct. non C.C.Gmel.} = *Hieracium schenkii*

[*Hieracium bupleuroides* C.C.Gmel. subsp. *schenkii* (Griseb.) Naeg. & Peter] = *Hieracium schenkii*

***Hieracium cacuminatum*** (Dahlst.) K.Joh.

***Hieracium caesiogenum*** Wol. & Zahn ~ *Hieracium pseudobifidum* aggr.

***Hieracium caesium*** (Fr.) Fr.

[*Hieracium caesium* (Fr.) Fr. subsp. *lugiorum* Zahn] = *Hieracium lugiorum*

[*Hieracium caespitosum* Dumort.] = *Pilosella caespitosa*

(*Hieracium callicymum* (Rehman) Ueksip, nom. inval.) = *Pilosella callicyma*

[*Hieracium calodon* Tausch ex Peter] = *Pilosella* × *calodon*

[*Hieracium calomastix* Peter] = *Pilosella* × *calomastix*

***Hieracium carcarophyllum*** K.Joh. ~ *Hieracium murorum* aggr.

***Hieracium cardiobasis*** (Zahn) Ueksip ~ *Hieracium bifidum* aggr.

***Hieracium catenatum*** Sennikov

Note: Known from Lviv region (A. Sennikov, 1995, Bot. Zhurn. 80(3): 78-84).

(*Hieracium cernuiforme* Naeg. & Peter) = *Pilosella* × *macrostolona*

***Hieracium chlorocephalum*** Wimmer

***Hieracium chlorophyllum*** Jord. ex Boreau

(*Hieracium christoglossum* (Zahn) Ueksip) = *Pilosella* × *tephrocephala*

***Hieracium ciuriwkae*** (Wol. & Zahn) Schljak.

(*Hieracium colliniforme* (Peter) Roffley 1925, non Dalla Torre & Sarnth. 1912) = *Pilosella colliniformis*

[*Hieracium collinum* Gochn.] = *Pilosella* × *collina*

***Hieracium conicum*** Arv.-Touv.

**Hieracium cretaceum** Arv.-Touv. & Gautier ex Sudre ~ **Hieracium maculatum** aggr.

**Hieracium crocatum** Fr.

(**Hieracium cymanthum** (Naeg. & Peter) Ueksip, nom. inval.) = **Pilosella cymantha**

(**Hieracium cymigerum** Rchb.) = **Pilosella vaillantii**

(**Hieracium cymosiforme** (Naeg. & Peter) Ueksip) = **Pilosella** × **densiflora**

[**Hieracium cymosum** L.] = **Pilosella cymosa**

**Hieracium czeremoszense** Wol. & Zahn

**Hieracium czywczynae** (Wol. & Zahn) Schljak. ~ **Hieracium krasanii** aggr.

**Hieracium deanum** (Zahn) Schljak. ~ **Hieracium pseudobifidum** aggr.

**Hieracium decipiens** Tausch ~ **Hieracium nigrescens** aggr.

**Hieracium decipientiforme** (Wol. & Zahn) Schljak. ~ **Hieracium nigrescens** aggr.

[**Hieracium densiflorum** Tausch] = **Pilosella** × **densiflora**

{**Hieracium dentatum** auct. non Hoppe} = **Hieracium sarmaticum**

[**Hieracium dentatum** Hoppe subsp. **sarmaticum** Zahn] = **Hieracium sarmaticum**

**Hieracium diaphanoides** Lindeb. aggr.

(**Hieracium discolor** (Naeg. & Peter) Ueksip) = **Pilosella** × **mollicaulis**

[**Hieracium dobromilense** Rehman] = **Pilosella dobromilensis**

(**Hieracium donetzicum** Kotov) = **Pilosella echioides**

(**Hieracium durisetum** (Naeg. & Peter) Ueksip) = **Pilosella** × **collina**

**Hieracium echinocephalum** (Naeg. & Peter) Ueksip

[**Hieracium echioides** Lumn.] = **Pilosella echioides**

(**Hieracium echiogenes** (Naeg. & Peter) Ueksip) = **Pilosella** × **auriculoides**

**Hieracium epimedium** Fr.

?**Hieracium euirriguum** (Zahn) Schljak.

**Hieracium farinifloccosum** (Degen & Zahn) Schljak. ~ **Hieracium rohacsense**

**Hieracium fastigiatum** Fr.

(**Hieracium fastigiatum** (Tausch ex Naeg. & Peter) Ueksip, nom. inval.) = **Pilosella fastigiata**

[**Hieracium fennicum** (Norrl.) Norrl. ex Wain.] = **Pilosella** × **fennica**

**Hieracium festinum** Jord. ex Boreau

[**Hieracium filiferum** Tausch] = **Pilosella filifera**

**Hieracium filifolium** Ueksip ~ **Hieracium umbellatum** aggr.

[**Hieracium flagellare** Willd.] = **Pilosella** × **flagellaris**

(**Hieracium flagellariforme** G.Schneid.) = **Pilosella** × **progenita**

(**Hieracium floccipedunculum** (Naeg. & Peter) Ueksip, nom. inval.) = **Pilosella floccipeduncula**

[**Hieracium floribundum** Wimmer & Grab.] = **Pilosella** × **floribunda**

(**Hieracium foliosum** Waldst. & Kit.) = **Hieracium virosum**

**Hieracium fritzei** F.W.Schultz

[**Hieracium fuscoatrum** Naeg. & Peter] = **Pilosella** × **fuscoatra**

**Hieracium galbanum** (Dahlst.) K.Joh. ~ **Hieracium caesium** aggr.

[**Hieracium galiciense** Blocki] = **Pilosella galiciensis**

**Hieracium gentile** Jord. ex Boreau ~ **Hieracium murorum** aggr.

**Hieracium glandulosodontatum** Uechtr.

[*Hieracium glaucescens* Besser] = *Pilosella glaucescens*

**Hieracium glaucinoides** K.Maly ~ *Hieracium pseudobifidum* aggr.

[*Hieracium glomeratum* Froel.] = *Pilosella* × *glomerata*

(*Hieracium gnaphalium* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella* × *prussica*

**Hieracium grandidens** Dahlst. ~ *Hieracium silvularum*

**Hieracium grofae** Wol.

**Hieracium gymnogenum** (Zahn) Ueksip ~ *Hieracium alpinum* aggr.

[*Hieracium heothinum* (Naeg. & Peter) Ueksip] = *Pilosella heothina*

[*Hieracium hispidissimum* Rehman ex Naeg. & Peter] = *Pilosella hispidissima*

[*Hieracium hoppeanum* Schult.] = *Pilosella hoppeana*

**Hieracium hryniawiense** Wol.

**Hieracium intersitum** Jord. ex Boreau ~ *Hieracium maculatum* aggr.

**Hieracium igoschinae** Ueksip ~ *Hieracium diaphanoides* aggr.

**Hieracium ilrowyszczense** (Zahn) Schljak. ~ *Hieracium atratum* aggr.

(*Hieracium ingricum* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella ingrica*

**Hieracium jablonicense** Wol.

**Hieracium jackardii** Zahn

(*Hieracium jailanum* (Zahn) Ueksip) = *Pilosella* × *tephrocephala*

**Hieracium jaworowae** (Zahn) Schljak. ~ *Hieracium praecurrens* aggr.

[*Hieracium kalksburgense* Wiesb.] = *Pilosella* × *kalksburgensis*

(*Hieracium koernickeanum* auct.) = *Pilosella* × *koernickeana*

**Hieracium knafii** (Čelak.) Zahn

[*Hieracium knappii* Blocki] = *Pilosella knappii*

[*Hieracium koernickeanum* (Naeg. & Peter) Zahn] = *Pilosella* × *koernickeana*

**Hieracium krasanii** Wol.

[*Hieracium krasanii* Wol. subsp. *czywczynae* Wol. & Zahn] = *Hieracium czywczynae*

[*Hieracium krasanii* Wol. subsp. *kukulense* Wol. & Zahn] = *Hieracium kukulense*

[*Hieracium krasanii* Wol. subsp. *pikujense* Wol. & Zahn] = *Hieracium pikujense*

[*Hieracium krasanii* Wol. subsp. *pseudonigritiforme* Zahn] = *Hieracium pseudonigritiforme*

**Hieracium krivanense** (Wol. & Zahn) Schljak. ~ *Hieracium scitulum* aggr.

**Hieracium kukulense** (Wol. & Zahn) Schljak. ~ *Hieracium krasanii* aggr.

[*Hieracium lactucella* Wallr.] = *Pilosella lactucella*

**Hieracium laevigatum** Willd.

[*Hieracium laevigatum* Willd. subsp. *ciuriwkae* Wol. & Zahn] = *Hieracium ciuriwkae*

[*Hieracium laevigatum* Willd. subsp. *knafii* (Čelak.) Zahn] = *Hieracium knafii*

[*Hieracium laevigatum* Willd. subsp. *lancidens* Zahn] = *Hieracium lancidens*

[*Hieracium laevigatum* Willd. subsp. *rigidum* (C.Hartm.) Zahn] = *Hieracium rigidum*

[*Hieracium laevigatum* Willd. subsp. *tridentatum* (Fr.) Zahn] = *Hieracium tridentatum*

**Hieracium laevimarginatum** Sennikov ~ *Hieracium murorum* aggr.

Note: This species has been recently described from Crimea, near Yalta (A. Sennikov, 1995, Bot. Zhurn. 80(3): 78-84). Specimens of this species were previously misidentified as *H. gentile*.

[*Hieracium lamprocomum* (Naeg. & Peter) Ueksip] = *Pilosella* × *lamprocoma*

(*Hieracium lampromegas* Zahn subsp. *krivanense* Wol. & Zahn) = *Hieracium krivanense*

(*Hieracium lampromegas* Zahn subsp. *orthobrachion* Wol. & Zahn) = *Hieracium orthobrachion*

(*Hieracium lampromegas* Zahn subsp. *wysokae* Wol. & Zahn) = *Hieracium wysokae*

**Hieracium lancidens** (Zahn) Ueksip

**Hieracium largum** Fr.

**Hieracium largum** Fr. var. *pallonianum* (Zahn) Schljak.

{*Hieracium laurinum* auct. non Arv.-Touv.} = *Hieracium vasconicum*

(*Hieracium leptophyllum* Naeg. & Peter) = *Pilosella* × *ziziana*

{*Hieracium levicaule* auct. non Jord.} = *Hieracium triviale*

**Hieracium liptoviense** Borbás

(*Hieracium liptoviense* Borbás subsp. *borzawae* Wol. & Zahn) = *Hieracium borzawae*

[*Hieracium lithuanicum* (Naeg. & Peter) Ueksip] = *Pilosella lithuanica*

[*Hieracium lobarzewskii* Rehman] = *Pilosella* × *lobarzewskii*

**Hieracium lomnicense** Wol.

**Hieracium lonchopodium** (Zahn) Schljak. ~ *Hieracium bifidum* aggr.

(*Hieracium longipes* (K.Koch ex Naeg. & Peter) Ueksip) = *Pilosella* × *bifurca*

(*Hieracium longisetum* (Naeg. & Peter) Ueksip) = *Pilosella* × *auriculoides*

[*Hieracium longum* (Naeg. & Peter) Ueksip] = *Pilosella* × *longa*

**Hieracium lugdunense** Rouy

**Hieracium lugiorum** (Zahn) Schljak. ~ *Hieracium caesium* aggr.

(*Hieracium macrocymum* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella macrocyma*

[*Hieracium macrolepium* (Naeg. & Peter) Ueksip] = *Pilosella submacrolepis*

[*Hieracium macrostolonum* G.Schneid.] = *Pilosella* × *macrostolona*

?**Hieracium maculatum** Schrank

Note: Reported from Transcarpathia (Fodor, 1974).

[*Hieracium maculatum* Schrank subsp. *cretaceum* (Arv.-Touv. & Gautier ex Sudre) Zahn] = *Hieracium cretaceum*

[*Hieracium magnaurecula* (Naeg. & Peter) Ueksip] = *Pilosella magnaurecula*

**Hieracium magocsyanum** Jáv.

[*Hieracium malacotrichum* (Naeg. & Peter) Ueksip] = *Pilosella malacotricha*

[*Hieracium marginale* (Naeg. & Peter) Ueksip] = *Pilosella marginalis*

(*Hieracium megalomastix* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella megalomastix*

[*Hieracium melaneilema* (Peter) Ueksip] = *Pilosella melaneilema*

**Hieracium melanocephalum** Tausch ~ *Hieracium alpinum* aggr.

[*Hieracium melinomeles* Peter] = *Pilosella* × *melinomeles*

(*Hieracium microsphaericum* (Zahn) Ueksip, nom. inval.) = *Pilosella* × *piloselliflora*



**Hieracium microspilon** (Jord. ex Sudre) Schljak. ~ **Hieracium murorum** aggr.

**Hieracium mikulinkae** (Zahn) Schljak. ~ **Hieracium praecurrens** aggr.

[**Hieracium mollicaule** Vuk.] = **Pilosella** × **mollicaulis**

(**Hieracium mukacevense** Ueksip) = **Hieracium mukaczewense**

**Hieracium mukaczewense** Ueksip ~ **Hieracium diaphanoides** aggr.

**Hieracium munkacsense** Zahn ~ **Hieracium caesium** aggr.

**Hieracium murorum** L.

**Hieracium neglectipilosum** Sennikov ~ **Hieracium murorum** aggr.

Note: This species has been recently described from Crimea, near Yalta (A. Sennikov, 1995, Bot. Zhurn. 80(3): 78-84). Specimens of this species were previously misidentified as *H. gentile*.

**Hieracium nigrescens** Willd.

[**Hieracium nigrescens** subsp. **decipientiforme** Wol. & Zahn] = **Hieracium decipientiforme**

[**Hieracium nigrisetum** (Naeg. & Peter) Ueksip] = **Pilosella nigriseta**

**Hieracium nigrutum** Uechtr.

**Hieracium obliquum** Jord.

**Hieracium oblongum** Jord. ~ **Hieracium murorum** aggr.

(**Hieracium obornyanum** Naeg. & Peter) = **Pilosella** × **polymastix**

[**Hieracium obscuribracteum** (Naeg. & Peter) Ueksip] = **Pilosella obscuribracteata**

[**Hieracium obscurum** Rchb.] = **Pilosella obscura**

[**Hieracium onegense** (Norrl.) Norrl.] = **Pilosella onegensis**

**Hieracium orthobrachion** (Wol. & Zahn) Schljak. ~ **Hieracium scitulum** aggr.

**Hieracium pachycephalum** (Fr. ex Uechtr.) Oborny

**Hieracium paczoskianum** Sennikov

Note: Known only from the type locality in Volhynia (A. Sennikov, 1995, Bot. Zhurn. 80(3): 78-84).

(**Hieracium pallidum** Bivona-Bernardi f.) = **Hieracium schmidtii**

[**Hieracium pallonianum** Zahn] = **Hieracium largum** var. **pallonianum**

[**Hieracium paragogum** Naeg. & Peter] = **Pilosella** × **paragoga**

(**Hieracium pareyssianum** (Naeg. & Peter) Ueksip) = **Pilosella** × **auriculoides**

**Hieracium paxianum** Nyár. & Zahn

**Hieracium pellucidum** Laest. ~ **Hieracium murorum** aggr.

**Hieracium percissum** Jord. ex Boreau

?**Hieracium persimile** (Dahlst.) K. Joh. ~ **Hieracium murorum** aggr.

Note: The Ukrainian record needs confirmation.

**Hieracium pikujense** (Wol. & Zahn) Schljak. ~ **Hieracium krasanii** aggr.

[**Hieracium pilosella** L.] = **Pilosella officinarum**

[**Hieracium piloselliflorum** Naeg. & Peter] = **Pilosella** × **piloselliflora**

[**Hieracium piloselloides** Vill.] = **Pilosella piloselloides**

[**Hieracium plaicense** Wol.] = **Pilosella plaicensis**

**Hieracium pleiophyllogenes** (Zahn) Schljak. ~ **Hieracium murorum** aggr.

**Hieracium pleiophyllopsi** (Zahn) Schljak. ~ **Hieracium praecurrens** aggr.

[Hieracium plicatum (Zahn) Ueksip] = Pilosella plicatula  
**Hieracium pocuticum** Wol.  
**?Hieracium pojoritense** Wol.  
 [Hieracium polymastix Peter] = Pilosella × polymastix  
 [Hieracium praealtum Vill. ex Gochn.] = Pilosella praealta  
**Hieracium praecipuum** Dahlst. ex Norrl. ~ Hieracium diaphanoides aggr.  
 [Hieracium praecurrens Vuk. var. jaworowae Zahn] = Hieracium jaworowae  
 [Hieracium praecurrens Vuk. subsp. mikulinkae Zahn] = Hieracium mikulinkae  
 [Hieracium praecurrens Vuk. subsp. pleiophylloids Zahn] = Hieracium pleiophylloids  
 (Hieracium pratense Tausch) = Pilosella caespitosa  
**Hieracium prenanthoides** Vill.  
 [Hieracium proceriforme (Naeg. & Peter) Zahn] = Pilosella proceriformis  
 [Hieracium procerum Fr.] = Pilosella procera  
 [Hieracium progenitum (Norrl.) Norrl.] = Pilosella × progenita  
**Hieracium prolixum** Norrl. ~ Hieracium bifidum aggr.  
 [Hieracium prussicum Naeg. & Peter] = Pilosella × prussica  
 (Hieracium psammophilum (Naeg. & Peter) Ueksip) = Pilosella × calodon  
**Hieracium pseudatratum** Wol. ~ Hieracium murorum aggr.  
 (Hieracium pseudauricula (Naeg. & Peter) Ueksip, nom. inval.) = Pilosella × suecica  
 (Hieracium pseudauriculoides (Naeg. & Peter) Ueksip, nom. inval.) = Pilosella  
     pseudauriculoides  
**Hieracium pseudobifidum** Schur  
 (Hieracium pseudobrachiatum Čelak.) = Pilosella × brachiata  
**Hieracium pseudonigritiforme** (Zahn) Schljak. ~ Hieracium krasanii aggr.  
**Hieracium pseudopikujense** Zahn ~ Hieracium krasanii aggr.  
**Hieracium pseudostygium** Wol. ~ Hieracium nigritum aggr.  
**Hieracium querceticola** Jord. ex Boreau  
**Hieracium racemosum** Waldst. & Kit.  
**Hieracium rapunculoidiforme** Wol. & Zahn  
 (Hieracium regiomontanum Naeg. & Peter) = Pilosella × floribunda  
 (Hieracium rehmanii (Naeg. & Peter) Ueksip 1960, non Wol. 1891) = Pilosella × roxolanica  
**Hieracium rigidum** C.Hartm.  
**Hieracium robustum** Fr.  
 [Hieracium robustum Fr. subsp. largum (Fr.) Zahn] = Hieracium largum  
 [Hieracium robustum Fr. subsp. pallonianum (Zahn) Zahn] = Hieracium largum var.  
     pallonianum  
**Hieracium rohacsense** Kit. ex Kanitz  
 [Hieracium rojowskii Rehman] = Pilosella rojowskii  
 [Hieracium rothianum Wallr.] = Pilosella × rothiana  
**Hieracium rotundatum** Kit. ex Schult.  
 [Hieracium roxolanicum Rehman] = Pilosella × roxolanica

(*Hieracium rubricymigerum* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella* × *roxolanica*

***Hieracium rupicoloides* Wol. ~ *Hieracium caesium* aggr.**

[*Hieracium sabaudum* L. subsp. *auratum* (Fr.) Zahn] = *Hieracium auratum*

[*Hieracium sabaudum* L. subsp. *lugdunense* (Rouy) Zahn] = *Hieracium lugdunense*

[*Hieracium sabaudum* L. subsp. *obliquum* (Jord.) Zahn] = *Hieracium obliquum*

[*Hieracium sabaudum* L. subsp. *scabiosum* (Sudre) Zahn] = *Hieracium scabiosum*

[*Hieracium sabaudum* L. subsp. *vagum* (Jord.) Zahn] = *Hieracium vagum*

***Hieracium sarmaticum* (Zahn) Schljak.**

(*Hieracium sarmentosum* Froel.) = *Pilosella* × *auriculoides*

***Hieracium scabiosum* (Sudre) Ueksip**

***Hieracium scitulum* Wol.**

***Hieracium schenkii* (Griseb.) Schljak.**

?***Hieracium schmidtii* Tausch**

Note: Reported by S. Fodor (1974), probably erroneously.

[*Hieracium schultesii* F.Schultz] = *Pilosella* × *schultesii*

[*Hieracium sciadophorum* Naeg. & Peter] = *Pilosella* × *sciadophora*

***Hieracium scitulum* Wol.**

***Hieracium serratifolium* Jord. ex Boreau ~ *Hieracium murorum* aggr.**

***Hieracium silesiacum* Krause ~ *Hieracium sparsum* aggr.**

***Hieracium silvularum* Jord. ex Boreau ~ *Hieracium murorum* aggr.**

***Hieracium sparsum* Friv.**

(*Hieracium spathophyllum* Naeg. & Peter) = *Pilosella* × *fennica*

(*Hieracium sterromastix* (Naeg. & Peter) Ueksip) = *Pilosella* × *bifurca*

[*Hieracium stoloniflorum* Waldst. & Kit.] = *Pilosella* × *stoloniflora*

***Hieracium stygium* Uechtr. ~ *Hieracium nigratum* aggr.**

(*Hieracium subambiguum* (Naeg. & Peter) Ueksip) = *Pilosella* × *glomerata*

***Hieracium subnigrescens* (Fr. ex Norrl.) Ueksip ~ *Hieracium atratum* aggr.**

?{*Hieracium subnigriceps* (Zahn) Ueksip}

Note: Mentioned in literature, but no reliable records are available from Ukraine.

***Hieracium subpleiophyllum* (Zahn) Schljak. ~ *Hieracium pseudobifidum* aggr.**

***Hieracium subviriduliceps* (Zahn) Schljak.**

***Hieracium sudeticum* Sternb.**

[*Hieracium sudetorum* (Peter) Weiss] = *Pilosella* *sudetorum*

[*Hieracium succicum* (Fr.) Naeg. & Peter] = *Pilosella* × *succica*

?{*Hieracium sulphureum* Döll}

Note: *Pilosella* × *sulphurea* (Döll) F.Schultz & Sch.Bip. (= *Hieracium sulphureum*) has been reported from Ukraine erroneously.

(*Hieracium sylvularum* Jord. ex Boreau) = *Hieracium silvularum*

?{*Hieracium szovitsii* (Naeg. & Peter) Ueksip}

Note: This Caucasian species (*Pilosella* × *bifurca* group) has been once reported from Crimea, most probably erroneously.

(*Hieracium tanythrix* (Naeg. & Peter) Ueksip) = *Pilosella* × *auriculoides*

(*Hieracium tatrense* Naeg. & Peter) = *Pilosella* × *flagellaris*  
[*Hieracium tephrocephalum* Vuk.] = *Pilosella* × *tephrocephala*  
(*Hieracium tephropodum* (Zahn) Ueksip) = *Pilosella* × *tephrocephala*  
?{*Hieracium thaumasioides* (Peter) Ueksip}

Note: This species (*Pilosella thaumasioides* (Peter) Schljak.) is not known from Ukraine. It was reported in literature provisionally, without actual localities.

[*Hieracium thaumasium* (Peter) Weiss] = *Pilosella thaumasia*

***Hieracium thyraicum*** Blocki ~ *Hieracium caesium* aggr.

***Hieracium transsilvanicum*** Heuff. ~ *Hieracium rotundatum* aggr.

(*Hieracium tricheilema* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella tricheilema*

***Hieracium tridentatum*** (Fr.) Fr.

***Hieracium triviale*** Norrl.

***Hieracium truncipilum*** (Thaisz & Zahn) Schljak.

(*Hieracium tubuliflorum* (Naeg. & Peter) Ueksip) = *Pilosella* × *brachiata*

(*Hieracium tuscheticum* (Zahn) Ueksip) = *Pilosella* × *tephrocephala*

***Hieracium uczanssunense*** Ueksip

***Hieracium ukierniae*** Wol. & Zahn

***Hieracium umbellatum*** L.

(*Hieracium umbelliferum* Naeg. & Peter) = *Pilosella* × *densiflora*

(*Hieracium umbellosum* (Naeg. & Peter) Ueksip) = *Pilosella* × *auriculoides*

***Hieracium umbrosum*** Jord.

***Hieracium vagum*** Jord.

[*Hieracium vaillantii* Tausch] = *Pilosella vaillantii*

[*Hieracium varatinense* Wol.] = *Pilosella varatinense*

***Hieracium vasconicum*** Jord. ex Boreau

[*Hieracium verruculatum* Link] = *Pilosella verruculata*

***Hieracium villosipes*** Pax

***Hieracium villosum*** Jacq.

(*Hieracium vindobonae* (Zahn) Ueksip) = *Pilosella* × *bifurca*

***Hieracium virgicale*** Naeg. & Peter

***Hieracium virgultorum*** Jord.

***Hieracium virosum*** Pall.

(*Hieracium viscidulum* (Tausch) Ueksip, nom. inval.) = *Pilosella viscidula*

(*Hieracium volhynicum* (Naeg. & Peter) Ueksip, nom. inval.) = *Pilosella volhynica*

***Hieracium vulgatum*** Fr. aggr.

[*Hieracium vulgatum* Fr. subsp. *acuminatum* (Jord.) Zahn] = *Hieracium acuminatum*

[*Hieracium vulgatum* Fr. subsp. *cacuminatum* (Dahlst.) Zahn] = *Hieracium cacuminatum*

[*Hieracium vulgatum* Fr. subsp. *festinum* (Jord. ex Boreau) Zahn] = *Hieracium festinum*

[*Hieracium vulgatum* Fr. subsp. *subviriduliceps* Zahn] = *Hieracium subviriduliceps*

[*Hieracium vulgatum* Fr. subsp. *truncipilum* Thaisz & Zahn] = *Hieracium truncipilum*

***Hieracium wimmeri*** Uechtr.

**Hieracium worochtae** Woł. & Zahn

**Hieracium wysokae** (Woł. & Zahn) Schljak. ~ **Hieracium scitulum** aggr.

[**Hieracium zizianum** Tausch] = **Pilosella** × **ziziana**

**Homogyne alpina** (L.) Cass.

**Hypochaeris glabra** L.

**Hypochaeris maculata** L.

**Hypochaeris radicata** L.

**Hypochaeris uniflora** Vill.

(**Hypochoeris**, **ortho**) = **Hypochaeris**

**Inula aspera** Poir.

**Inula britannica** L.

**Inula caspica** Blum ex Ledeb.

(**Inula conyza** DC.) = **Inula conyzae**

**Inula conyzae** (Greiss.) Meikle

**Inula ensifolia** L.

**Inula germanica** L.

**Inula helenium** L.

**Inula hirta** L.

**Inula** × **media** M.Bieb. = **Inula germanica** × **Inula salicina** s.l.

**Inula oculus-christi** L.

**Inula sabuletorum** Czern. ex Lavrenko ~ **Inula salicina**

**Inula salicina** L.

[**Inula salicina** subsp. **aspera** (Poir.) Hayek] = **Inula aspera**

[**Inula salicina** subsp. **sabuletorum** (Czern. ex Lavrenko) Soják] = **Inula sabuletorum**

**Inula thapsoides** (M.Bieb.) Spreng.

(**Inula vulgaris** (Lam.) Trevis.) = **Inula conyza**

**Iva xanthiifolia** Nutt.

(**Jacea pannonica** (Heuff.) Soják) = **Centaurea pannonica**

(**Jacea phrygia** (L.) Soják) = **Centaurea phrygia**

(**Jacea phrygia** (L.) Soják subsp. **melanocalathia** (Borbás) Soják) = **Centaurea melanocalathia**

(**Jacea pratensis** Lam.) = **Centaurea jacea**

(**Jacea pseudophrygia** (C.A.Mey.) Holub) = **Centaurea pseudophrygia**

(**Jacea stenolepis** (A.Kern.) Soják) = **Centaurea stenolepis**

**Jurinea arachnoidea** Bunge  
**Jurinea brachycephala** Klokov ~ *Jurinea stoechadifolia* s.l.  
**Jurinea calcarea** Klokov  
**Jurinea centauroides** Klokov ~ *Jurinea cyanoides* s.l.  
*(Jurinea charcoviensis Klokov) = Jurinea cyanoides*  
*{Jurinea cretacea auct. non Bunge} = Jurinea talievii*  
**Jurinea cyanoides** (L.) Rchb.  
*{Jurinea eversmannii auct. non Bunge} = Jurinea granitica*  
**Jurinea granitica** Klokov ~ *Jurinea eversmannii*  
*(Jurinea laxa Fisch. ex Iljin) = Jurinea longifolia*  
*{Jurinea ledebourii auct. non Bunge} = Jurinea pseudomollis & Jurinea sordida*  
*(Jurinea linearifolia DC.) = Jurinea multiflora*  
**Jurinea longifolia** DC.  
**Jurinea michelsonii** Iljin  
**Jurinea mollissima** Klokov  
**Jurinea multiflora** (L.) B.Fedtsch.  
**Jurinea pachysperma** Klokov ~ *Jurinea michelsonii*  
**Jurinea paczoskiana** Iljin ~ *Jurinea longifolia* s.l.  
*(Jurinea pseudocyanoides Klokov) = Jurinea cyanoides*  
**Jurinea pseudomollis** Klokov ~ *Jurinea ledebouri* s.l.  
**Jurinea salicifolia** Grun.  
**Jurinea sordida** Steven  
**Jurinea stoechadifolia** (M.Bieb.) DC.  
**Jurinea talievii** Klokov ~ *Jurinea cretacea* s.l.  
*{Jurinea tanaitica auct. non Klokov} = Jurinea thyrsoflora*  
*{Jurinea tenuiloba auct. non Bunge} = Jurinea thyrsoflora s.str.*  
**Jurinea thyrsoflora** Klokov ~ *Jurinea tenuiloba* s.l.  
*(Jurinea tyraica Klokov, s.str.) = Jurinea mollissima*  
*{Jurinea tyraica Klokov, p.p.} = Jurinea michelsonii*

**Koelpinia linearis** Pall.

Note: Reported from Poltava as a rare casual alien.

*(Lactuca altissima M.Bieb.) = Lactuca chaixii*  
**Lactuca chaixii** Vill. ~ *Lactuca quercina* s.l.  
*(Lactuca muralis (L.) Gaertn.) = Mycelis muralis*  
**Lactuca perennis** L.  
**Lactuca quercina** L.  
*[Lactuca quercina L. subsp. chaixii (Vill.) Čelak.] = Lactuca chaixii*  
*[Lactuca quercina L. subsp. sagittata (Waldst. & Kit.) Čelak.] = Lactuca chaixii*  
*(Lactuca sagittata Waldst. & Kit.) = Lactuca chaixii*

**Lactuca saligna** L.

\*!**Lactuca sativa** L.

(*Lactuca scariola* L.) = *Lactuca serriola*

**Lactuca serriola** L.

?**Lactuca sibirica** (L.) Benth. ex Maxim.

Note: Reported from Ternopil region; needs confirmation.

(*Lactuca stricta* Waldst. & Kit.) = *Lactuca quercina*

**Lactuca tatarica** (L.) C.A.Mey.

(*Lactuca tuberosa* Jacq.) = *Steptorhamphus tuberosus*

[*Lactuca viminea* (L.) J.Presl & C.Presl] = *Scariola viminea*

(*Lactuca wilhelmsiana* Fisch. & C.A.Mey. ex DC.) = *Lactuca quercina*

[*Lagedium tataricum* (L.) Soják] = *Lactuca tatarica*

**Lagoseris callicephala** Juz.

Conservation status: ERL (R).

**Lagoseris purpurea** (Willd.) Boiss.

Conservation status: RDBU (3); IUCN RL (E); ERL (R).

(*Lagoseris robusta* Czerep.) = *Lagoseris purpurea*

[*Lagoseris sancta* (L.) K.Maly] = *Pterotheca sancta*

(*Lagoseris taurica* M.Bieb., nom. illeg.) = *Lagoseris purpurea*

**Lamyra echinocephala** (Willd.) Tamamsch.

[*Laphangium luteoalbum* (L.) Tzvelev] = *Gnaphalium luteoalbum*

(*Lapsana aipetriensis* Vassilcz.) = *Lapsana intermedia*

{*Lapsana alpina* auct. non Boiss. & Balansa} = *Lapsana intermedia*

**Lapsana communis** L.

[*Lapsana communis* L. subsp. *intermedia* (M.Bieb.) Hayek] = *Lapsana intermedia*

{*Lapsana grandiflora* auct. non M.Bieb.} = *Lapsana intermedia*

(*Lapsana grandiflora* M.Bieb. var. *intermedia* (M.Bieb.) Schmalh.) = *Lapsana intermedia*

**Lapsana intermedia** M.Bieb.

(*Lapsana rhagadiolus* L.) = *Rhagadiolus edulis*

\***Layia elegans** Torr. & A.Gray

(*Leontodon asper* (Waldst. & Kit.) Poir. 1814, non Forssk. 1775) = *Leontodon biscutellifolius*

{*Leontodon asperus* auct.} = *Leontodon biscutellifolius*

**Leontodon autumnalis** L.

*Leontodon autumnalis* L. subsp. *pratensis* (Link) Arcang.

(*Leontodon autumnalis* L. var. *pratensis* (Link) W.D.J.Koch) = *Leontodon autumnalis* subsp. *pratensis*

(*Leontodon autumnalis* L. var. *alpinus* Gaudin) = *Leontodon autumnalis* subsp. *pratensis*  
***Leontodon biscutellifolius* DC.**

***Leontodon caucasicus* (M.Bieb.) Fisch.**

***Leontodon caucasicus* (M.Bieb.) Fisch. var. *jailae* (Klokov) Geltman**  
{*Leontodon crispus* auct. non Vill.} = *Leontodon biscutellifolius*

***Leontodon croceus* Haenke**

***Leontodon danubialis* Jacq.**

(*Leontodon danubialis* Jacq. var. *optimus* W.D.J.Koch) = *Leontodon kulczynskii*

(*Leontodon gutzlorum* V.Vassil.) = *Leontodon autumnalis* subsp. *pratensis*

***Leontodon hispidus* L.**

{*Leontodon hispidus* L. subsp. *danubialis* (Jacq.) Simonk.} = *Leontodon danubialis*

{*Leontodon hispidus* L. subsp. *optimus* (W.D.J.Koch) Finch & P.D.Sell} = *Leontodon kulczynskii*

(*Leontodon hirtus* Roth) = *Leontodon saxatilis*

{*Leontodon jailae* Klokov} = *Leontodon caucasicus* var. *jailae*

(*Leontodon keretinus* Nyl.) = *Leontodon autumnalis*

***Leontodon kulczynskii* M.Pop.**

(*Leontodon montanus* Lam. subsp. *pseudotaraxaci* (Schur) Finch & P.D.Sell) = *Leontodon pseudotaraxaci*

(*Leontodon pratensis* (Link) Rchb.) = *Leontodon autumnalis* subsp. *pratensis*

***Leontodon pseudotaraxaci* Schur ~ *Leontodon montanus* s.l.**

(*Leontodon repens* Schur, nom. illeg.) = *Leontodon kulczynskii*

{*Leontodon rilaensis* auct. non Hayek} = *Leontodon croceus*

***Leontodon saxatilis* Lam.**

(*Leontodon schischkinii* V.Vassil.) = *Leontodon danubialis*

(*Leontodon taraxacoides* (Vill.) M rat 1831, non Hoppe & Hornsch. 1821) = *Leontodon saxatilis*

***Leontopodium alpinum* Cass.**

Conservation status: RDBU (1).

***Lepidotheca suaveolens* (Pursh) Nutt.**

***Leucanthemella serotina* (L.) Tzvelev**

***Leucanthemopsis alpina* (L.) Heyw.**

Note: Plants from the Carpathians probably belong to *Leucanthemopsis tatarae* (Vierh.)

Holub [= *L. alpina* subsp. *tatarae* (Vierh.) Tzvelev]



(*Leucanthemum adustum* (W.D.J.Koch) Gremli subsp. *margaritae* (Gáyer ex Jáv.) Holub) =  
*Leucanthemum margaritae*  
 (*Leucanthemum gaudinii* Dalla Torre) = *Leucanthemum subalpinum*  
*Leucanthemum ircutianum* Turcz. ex DC.  
*Leucanthemum margaritae* (Gáyer ex Jáv.) Soó  
 \*!*Leucanthemum maximum* (Ramond) DC.  
 (*Leucanthemum raciborskii* M.Pop. & Chrshan.) = *Leucanthemum subalpinum*  
*Leucanthemum rotundifolium* (Waldst. & Kit. ex Willd.) DC.  
 (*Leucanthemum serotinum* (L.) Stank.) = *Leucanthemella serotina*  
*Leucanthemum subalpinum* (Schur) Tzvelev  
*Leucanthemum vulgare* Lam.  
 [*Leucanthemum vulgare* Lam. subsp. *ircutianum* (Turcz. ex DC.) Tzvelev] = *Leucanthemum ircutianum*  
 [*Leucanthemum vulgare* Lam. subsp. *margaritae* (Gáyer ex Jáv.) Soó] = *Leucanthemum margaritae*  
 [*Leucanthemum vulgare* Lam. subsp. *subalpinum* (Schur) Soó] = *Leucanthemum subalpinum*  
 (*Leucanthemum waldsteinii* (Sch.Bip.) Pouzar, nom. illeg.) = *Leucanthemum rotundifolium*

(*Leuzea altaica* (Fisch. ex Spreng.) Link) = *Rhaponticum serratuloides*

#### **Ligularia bucovinensis** Nakai

Conservation status: RDBU (1).

**Ligularia carpatica** (Schott, Nyman & Kotschy) Pojark.

{*Ligularia glauca* auct. non (L.) O.Hoffm.} = *Ligularia bucovinensis*

{*Ligularia sibirica* auct. non (L.) Cass.} = *Ligularia bucovinensis*

(*Linosyris villosa* (L.) DC.) = *Galatella villosa*

(*Linosyris vulgaris* Cass. ex Less.) = *Galatella vulgaris*

[*Logfia arvensis* (L.) Holub] = *Filago arvensis*

[*Logfia minima* (Smith) Dumort.] = *Filago minima*

#### \***Madia sativa** Molina

(*Matricaria chamomilla* L. 1753, nom. ambig.) = *Tripleurospermum inodorum*

(*Matricaria chamomilla* L. 1755, nom. ambig.) = *Matricaria recutita*

(*Matricaria chamomilla* L. subsp. *tzvelevii* (Pobed.) Soó) = *Matricaria tzvelevii*

[*Matricaria discoidea* DC.] = *Lepidotheca suaveolens*

(*Matricaria inodora* L., nom. illeg. superfl.) = *Tripleurospermum inodorum*

(*Matricaria matricarioides* (Less.) Porter) = *Lepidotheca suaveolens*

(*Matricaria parthenium* L.) = *Pyrethrum parthenium*

(*Matricaria parviflora* (Willd.) Poir.) = *Tripleurospermum parviflorum*

(*Matricaria perforata* Mérat) = *Tripleurospermum inodorum*

(*Matricaria praecox* (M.Bieb.) DC. = *Tripleurospermum parviflorum*

***Matricaria recutita* L.**

(*Matricaria suaveolens* (Pursh) Buchenau 1894, non L. 1755) = *Lepidotheca suaveolens*

***Matricaria tzvelevii* Pobed.**

(*Micropus discolor* Pers.) = *Bombycilaena discolor*

(*Micropus erectus* L.) = *Bombycilaena erecta*

(*Mulgedium tataricum* (L.) DC.) = *Lactuca tatarica*

***Mycelis muralis* (L.) Dumort.**

(*Odontolophus trinervius* (Stephan) Dobrocz.) = *Centaurea trinervia*

[*Omalotheca hoppeana* (W.D.J.Koch) Sch.Bip. & F.W.Schultz] = *Gnaphalium hoppeanum*

[*Omalotheca norvegica* (Gunn.) Sch.Bip. & F.W.Schultz] = *Gnaphalium norvegicum*

[*Omalotheca supina* (L.) DC.] = *Gnaphalium supinum*

[*Omalotheca sylvatica* (L.) Sch.Bip. & F.W.Schultz] = *Gnaphalium sylvaticum*

(*Onopordon acanthium* L., ortho) = *Onopordum acanthium*

***Onopordum acanthium* L.**

***Onopordum tauricum* Willd.**

***Pallenis spinosa* (L.) Cass.**

**\**Parthenium argentatum* A.Gray**

***Petasites albus* (L.) P.Gaertn.**

***Petasites hybridus* (L.) P.Gaertn., B.Mey. & Scherb.**

***Petasites hybridus* (L.) P.Gaertn., B.Mey. & Scherb. subsp. *ochroleucus* (Boiss. & Huet.)**

Sourek

***Petasites kablikianus* Tausch ex Bercht.**

Note: Probably a hybrid *P. albus* × *P. hybridus*. Ukrainian specimens identified as *P.*

*kablikianus* are represented mostly by *P. albus*. However, the true *P. kablikianus* also occurs in Ukraine.

[*Petasites ochroleucus* Boiss. & Huet.] = *Petasites hybridus* subsp. *ochroleucus*

***Petasites spurius* (Retz.) Rechb.**

**Phalacrachena inuloides** (Fisch. ex Schmalh.) Iljin

**Phalacroloma annuum** (L.) Dumort.

[**Phalacroloma annuum** (L.) Dumort. subsp. **septrionale** (Fernald & Wiegand) Adema] =

**Phalacroloma septrionale**

[**Phalacroloma annuum** (L.) Dumort. subsp. **strigosum** (Muehl. ex Willd.) Adema] =

**Phalacroloma strigosum**

**Phalacroloma septrionale** (Fernald & Wiegand) Tzvelev ~ **Phalacroloma annuum** aggr.

**Phalacroloma strigosum** (Muehl. ex Willd.) Tzvelev ~ **Phalacroloma annuum** aggr.

**Picnemon acarna** (L.) Cass.

**Picris echioides** L.

**Picris hieracioides** L.

**Picris pauciflora** Willd.

**Picris rigida** Ledeb. ex Spreng.

{**Picris strigosa** auct. non M.Bieb.} = **Picris rigida**

Note: **Picris strigosa** has been erroneously reported from Crimea.

**Pilosella acutisquama** (Naeg. & Peter) Schljak. ~ **Pilosella lactucella** aggr.

**Pilosella adenoclada** (Rehman) Schljak. ~ **Pilosella bauhini** aggr.

**Pilosella agathantha** (Rehman) Schljak. ~ **Pilosella bauhini** aggr.

**Pilosella amaureilema** (Naeg. & Peter) Schljak. ~ **Pilosella lactucella** aggr.

**Pilosella** × **apatelia** (Naeg. & Peter) Soják

**Pilosella aquilonaris** (Naeg. & Peter) Schljak. ~ **Pilosella praealta** aggr.

**Pilosella** × **arida** (Freyn) Schljak.

**Pilosella armeniaca** (Naeg. & Peter) Schljak. ~ **Pilosella glaucescens** aggr.

**Pilosella** × **arvicola** (Naeg. & Peter) Soják

**Pilosella asiatica** (Naeg. & Peter) Schljak. ~ **Pilosella echioides** aggr.

**Pilosella aurantiaca** (L.) F.Schultz & Sch.Bip.

**Pilosella** × **auriculoides** (A.F.Lang) F.Schultz

**Pilosella bauhini** (Besser) Arv.-Touv.

**Pilosella besseriana** (Spreng.) Schljak. ~ **Pilosella glaucescens** aggr.

**Pilosella** × **bifurca** (M.Bieb.) F.Schultz & Sch.Bip.

**Pilosella** × **blyttiana** (Fr.) F.Schultz & Sch.Bip.

**Pilosella botrychodes** (Zahn) Schljak.

**Pilosella** × **brachiata** (Bertol. ex Lam.) F.Schultz & Sch.Bip.

**Pilosella caespitosa** (Dumort.) P.D.Sell & C. West

**Pilosella callicyma** (Rehman) Schljak. ~ **Pilosella bauhini** aggr.

**Pilosella** × **calodon** (Tausch ex Peter) Soják

**Pilosella** × **calomastix** (Peter) Soják

***Pilosella carpathicola*** (Naeg. & Peter) Schljak. ~ *Pilosella aurantiaca* aggr.  
***Pilosella chaunocyma*** (Rehman) Schljak. ~ *Pilosella bauhini* aggr.  
***Pilosella* × *collina*** (Gochn.) Soják  
***Pilosella colliniformis*** (Rehman) Dostál ~ *Pilosella caespitosa* aggr.  
***Pilosella cymantha*** (Naeg. & Peter) Schljak. ~ *Pilosella bauhini* aggr.  
***Pilosella cymosa*** (L.) F.Schultz & Sch.Bip  
***Pilosella* × *densiflora*** (Tausch) Soják  
***Pilosella dilutior*** (Rehman) Schljak. ~ *Pilosella praealta* aggr.  
***Pilosella dobromilensis*** (Rehman) Schljak. ~ *Pilosella bauhini* aggr.  
***Pilosella dolinensis*** (Rehman) Schljak. ~ *Pilosella praealta* aggr.  
***Pilosella dublanensis*** (Rehman) Schljak. ~ *Pilosella caespitosa* aggr.  
***Pilosella echioides*** (Lumn.) F.Schultz & Sch.Bip.  
***Pilosella fastigiata*** (Tausch ex Naeg. & Peter) Schljak. ~ *Pilosella bauhini* aggr.  
***Pilosella* × *fennica*** (Norrl.) Norrl.  
***Pilosella ferroviae*** (Rehman) Schljak. ~ *Pilosella glaucescens* aggr.  
***Pilosella filifera*** (Tausch) Schljak. ~ *Pilosella glaucescens* aggr.  
(*Pilosella* × *flagellariformis* (G.Schneid.) Soják) = *Pilosella* × *progenita*  
***Pilosella* × *flagellaris*** (Willd.) Arv.-Touv.  
***Pilosella floccipeduncula*** (Naeg. & Peter) Schljak. ~ *Pilosella praealta* aggr.  
***Pilosella* × *floribunda*** (Wimmer & Grab.) Fr.  
***Pilosella* × *fuscoatra*** (Naeg. & Peter) Soják  
***Pilosella galiciensis*** (Blocki) Schljak. ~ *Pilosella praealta* aggr.  
***Pilosella glaucescens*** (Besser) Soják.  
***Pilosella glaucochroa*** (Naeg. & Peter) Schljak. ~ *Pilosella onegensis* aggr.  
***Pilosella* × *glomerata*** (Froel.) Fr.  
***Pilosella heothina*** (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.  
***Pilosella hispidissima*** (Rehman ex Naeg. & Peter) Schljak. ~ *Pilosella bauhini* aggr.  
***Pilosella hoppeana*** (Schult.) F.Schult. & Sch.Bip.

Note: Reported from Crimea; records uncertain.

***Pilosella ingrica*** (Naeg. & Peter) Schljak. ~ *Pilosella bauhini* aggr.  
***Pilosella* × *kalksburgensis*** (Wiesb.) Soják  
***Pilosella knappii*** (Blocki) Schljak. ~ *Pilosella praealta* aggr.  
***Pilosella* × *koernickeana*** (Naeg. & Peter) Soják  
***Pilosella lactucella*** (Wallr.) P.D.Sell & C.West  
***Pilosella* × *lamprocoma*** (Naeg. & Peter) Schljak.  
***Pilosella limenyensis*** (Zahn) Schljak. ~ *Pilosella bauhini* aggr.  
**?*Pilosella lithuanica*** (Naeg. & Peter) Schljak.

Note: Records from Ukraine need confirmation.

***Pilosella* × *lobarzewskii*** (Rehman) Soják  
***Pilosella* × *longa*** (Naeg. & Peter) Schljak.  
***Pilosella macrocyma*** (Naeg. & Peter) Schljak. ~ *Pilosella echioides* aggr.  
***Pilosella* × *macrostolona*** (G.Schneid.) Soják

*Pilosella magnaauricula* (Naeg. & Peter) Schljak. ~ *Pilosella lactucella* aggr.  
*Pilosella malacotricha* (Naeg. & Peter) Schljak. ~ *Pilosella echioides* aggr.  
*Pilosella marginalis* (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.  
*Pilosella megalomastix* (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.  
*Pilosella melaneilema* (Peter) Schljak. ~ *Pilosella lactucella* aggr.  
*Pilosella* × *melinomelas* (Peter) Holub  
*Pilosella mnooclada* (Rehman) Schljak. ~ *Pilosella bauhinii* aggr.  
*Pilosella* × *mollicaulis* (Vuk.) Soják  
*Pilosella myriotricha* (Rehman) Schljak. ~ *Pilosella glaucescens* aggr.  
*Pilosella neriedowae* (Wol. & Zahn) Schljak. ~ *Pilosella aurantiaca* aggr.  
*Pilosella nigriseta* (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.  
*Pilosella obscura* (Rechb.) Soják ~ *Pilosella praealta* aggr.  
*Pilosella obscuribracteata* (Naeg. & Peter) Schljak. ~ *Pilosella bauhinii* aggr.  
*Pilosella officinarum* F.Schult. & Sch.Bip.  
*Pilosella onegensis* Norrl.  
*Pilosella* × *paragoga* (Naeg. & Peter) Soják  
*Pilosella* × *piloselliflora* (Naeg. & Peter) Soják  
? *Pilosella piloselloides* (Vill.) Soják

Note: Probably occurs in Crimea (can be expected in the Carpathians), but needs confirmation.

*Pilosella* × *plaicensis* (Wol.) Soják  
*Pilosella plicatula* (Zahn) Schljak. ~ *Pilosella bauhinii* aggr.  
*Pilosella* × *podolica* (Rehman) Schljak.  
*Pilosella* × *polymastix* (Peter) Holub  
*Pilosella praealta* (Vill. ex Gochn.) F.Schultz & Sch.Bip.  
*Pilosella procera* (Fr.) F.Schultz & Sch.Bip. ~ *Pilosella verruculata* aggr.  
Note: In Ukraine occurs only in Crimea.  
*Pilosella proceriformis* (Naeg. & Peter) Soják ~ *Pilosella echioides* aggr.  
*Pilosella* × *progenita* Norrl.  
*Pilosella* × *prussica* (Naeg. & Peter) Soják  
*Pilosella przybyslawskii* (Rehman) Schljak. ~ *Pilosella hoppeana* aggr.  
*Pilosella pseudauriculoides* (Naeg. & Peter) Schljak. ~ *Pilosella bauhinii* aggr.  
*Pilosella pseudomegalomastix* (Rehman) Schljak. ~ *Pilosella glaucescens* aggr.  
*Pilosella pseudosparsa* (Zahn) Schljak. ~ *Pilosella bauhinii* aggr.  
*Pilosella rawaruskana* (Zahn) Schljak. ~ *Pilosella caespitosa* aggr.  
*Pilosella rojowskii* (Rehman) Schljak. ~ *Pilosella bauhinii* aggr.  
*Pilosella* × *rothiana* (Wallr.) F.Schultz & Sch.Bip.  
*Pilosella* × *roxolanica* (Rehman) Soják  
*Pilosella* × *schultesii* (F.Schultz) F.Schultz & Sch.Bip.  
*Pilosella* × *sciadophora* (Naeg. & Peter) Soják

**Pilosella × stoloniflora** (Waldst. & Kit.) Fr.  
**Pilosella suaeva** (Rehman) Schljak. ~ *Pilosella glaucescens* aggr.  
**Pilosella subaurantiaca** (Naeg. & Peter) Schljak. ~ *Pilosella aurantiaca* aggr.  
**Pilosella submacrolepis** Schljak. ~ *Pilosella hoppeana* aggr.  
**Pilosella sudetorum** (Peter) Dostál ~ *Pilosella caespitosa* aggr.  
**Pilosella × suecica** (Fr.) F.Schultz & Sch.Bip.  
**Pilosella × tephrocephala** (Vuk.) Soják  
**Pilosella thaumasia** (Peter) Dostál ~ *Pilosella bauhinii* aggr.  
**Pilosella tricheilema** (Naeg. & Peter) Schljak. ~ *Pilosella lactucella* aggr.  
**Pilosella vaillantii** (Tausch) Soják  
**Pilosella varatinensis** (Wol.) Soják ~ *Pilosella bauhinii* aggr.  
**Pilosella verruculata** (Link) Soják  
 Note: Only in Kiev (introduced ?).  
**Pilosella viscidula** (Tausch) Schljak.  
**Pilosella volhynica** (Naeg. & Peter) Schljak. ~ *Pilosella glaucescens* aggr.  
**Pilosella vulpina** (Rehman) Schljak. ~ *Pilosella hoppeana* aggr.  
**Pilosella × ziziana** (Tausch) F.Schultz & Sch.Bip.

[Podospermum canum C.A.Mey.] = *Scorzonera cana*  
 [Podospermum laciniatum (L.) DC.] = *Scorzonera laciniata*  
 (Podospermum molle (M.Bieb.) Fisch. & C.A.Mey.) = *Scorzonera mollis*

### **Prenanthes purpurea L.**

[Psephellus declinatus (M.Bieb.) K.Koch] = *Centaurea declinata*  
 {Psephellus leucophyllus auct. non Boiss.} = *Centaurea declinata*

(Pseudognaphalium luteoalbum (L.) O.M.Hilliard & B.L.Burt) = *Gnaphalium luteoalbum*

[Pseudopodospermum molle (M.Bieb.) Kuth.] = *Scorzonera mollis*

(Ptarmica borysthena Klokov & Sakalo) = *Ptarmica salicifolia*  
**Ptarmica cartilaginea** (Ledeb. ex Rchb.) Ledeb. ~ *Ptarmica salicifolia*  
**Ptarmica lingulata** (Waldst. & Kit.) DC.

Conservation status: RDBU (3).

**Ptarmica salicifolia** (Besser) Serg.

[*Ptarmica salicifolia* (Besser) Serg. subsp. *cartilaginea* (Ledeb. ex Rchb.) Tzvelev] = *Ptarmica cartilaginea*

**Ptarmica tenuifolia** (Schur) Schur

Conservation status: RDBU (1); IUCN RL (R), as *Achillea oxyloba* ssp. *schuri*.

**Ptarmica vulgaris** Blackw. ex DC.

**Pterotheca sancta** (L.) K.Koch

[*Ptilostemon echinocephalus* (Willd.) Greuter] = *Lamyra echinocephala*

**Pulicaria dysenterica** (L.) Bernh.

(*Pulicaria prostrata* (Gilib.) Asch.) = *Pulicaria vulgaris*

**Pulicaria uliginosa** Steven ~ *Pulicaria dysenterica*

**Pulicaria vulgaris** Gaertn.

(*Pyrethrum achilleifolium* M.Bieb.) = *Tanacetum achilleifolium*

[*Pyrethrum alpinum* (L.) Schrank] = *Leucanthemopsis alpina*

(*Pyrethrum balsamita* (L.) Willd.) = *Balsamita major*

(*Pyrethrum baumanii* Steven) = *Tanacetum millefolium*

\*!**Pyrethrum cinerariifolium** Trev.

**Pyrethrum clusii** Fisch. ex Rehb.

**Pyrethrum corymbosum** (L.) Scop.

\*!**Pyrethrum macrophyllum** (Waldst. & Kit.) Willd.

(*Pyrethrum majus* (Desf.) Tzvelev) = *Balsamita major*

(*Pyrethrum millefoliatum* (L.) Willd.) = *Tanacetum millefolium*

(*Pyrethrum myconis* (L.) Moench) = *Coleostephus myconis*

(*Pyrethrum odessanum* Klokov) = *Tanacetum odessanum*

(*Pyrethrum paczoskii* Zefir.) = *Tanacetum paczoskii*

**Pyrethrum partheniifolium** Willd.

\*!**Pyrethrum parthenium** (L.) Smith

(*Pyrethrum parviflorum* Willd.) = *Tripleurospermum parviflorum*

(*Pyrethrum praecox* M.Bieb.) = *Tripleurospermum parviflorum*

(*Pyrethrum subcorymbosum* (Schur) Schur) = *Pyrethrum clusii*

(*Pyrethrum tanacetum* DC.) = *Balsamita major*

**Pyrethrum tauricum** Zelenetzky ~ *Pyrethrum corymbosum*

**Rhagadiolus edulis** P.Gaertn.

{*Rhagadiolus stellatus* auct. non (L.) P.Gaertn.} = *Rhagadiolus edulis*

(*Rhagadiolus stellatus* (L.) P.Gaertn. var. *edulis* (P.Gaertn.) DC.) = *Rhagadiolus edulis*

**Rhaponticum serratuloides** (Georgi) Bobrov

\*!**Rudbeckia bicolor** Nutt. ~ *Rudbeckia hirta*

\*!**Rudbeckia hirta** L.

\*!**Rudbeckia laciniata** L.

\***Rudbeckia speciosa** Wender.

\***Rudbeckia triloba** L.

\***Rudbeckia umbrosa** Boynton ex Beadle

**\*!Santolina chamaecyparissus** L.

(*Santolina chamaecyparissus* L. subsp. *viridis* (Willd.) Rouy) = *Santolina virens*

(*Santolina suaveolens* Pursch) = *Lepidotheca suaveolens*

**\*!Santolina virens** Mill.

(*Santolina viridis* Willd.) = *Santolina virens*

**\*Sanvitalia procumbens** Lam.

**Saussurea alpina** (L.) DC.

Conservation status: RDBU (I).

**Saussurea amara** (L.) DC.

**Saussurea discolor** (Willd.) DC.

Conservation status: RDBU (I).

**Saussurea porcii** Degen

Conservation status: RDBU (I); ERL (E).

**Saussurea salsa** (Pall. ex M.Bieb.) Spreng.

**Scariola viminea** (L.) F.W.Schmidt

**Scolymus hispanicus** L.

**Scolymus maculatus** L.

Note: Records of *S. maculatus* from Ukraine (Crimea: Simeiz) need confirmation.

**Scorzonera austriaca** Willd.

[*Scorzonera austriaca* Willd. subsp. *crispa* (M.Bieb.) Nyman] = *Scorzonera crispa*

?**Scorzonera biebersteinii** Lipsch.

Note: A Caucasian species. The only known locality in Ukraine (in Kherson region) needs confirmation.

**Scorzonera cana** (C.A.Mey.) Griseb.

**Scorzonera crispa** M.Bieb.

**Scorzonera ensifolia** M.Bieb.

**Scorzonera** × **glastifolia** Willd. = *Scorzonera stricta* × *Scorzonera taurica*

**\*!Scorzonera hispanica** L.

**Scorzonera humilis** L.

**Scorzonera laciniata** L.

**Scorzonera mollis** M.Bieb.

**Scorzonera mollis** M.Bieb. var. **subacaulis** Tzvelev

**Scorzonera parviflora** Jacq.

**Scorzonera purpurea** L.

[*Scorzonera purpurea* L. subsp. *rosea* (Waldst. & Kit.) Nyman] = *Scorzonera rosea*



**Scorzonera rosea** Waldst. & Kit.

**Scorzonera stricta** Hornem.

**Scorzonera taurica** M.Bieb.

[*Senecio abrotanifolius* L. subsp. *carpaticus* (Herbich) Nyman] = *Senecio carpaticus*

**Senecio andrzejowskyi** Tzvelev

**Senecio aquaticus** Hill.

[*Senecio aquaticus* Hill. subsp. *erraticus* (Bertol.) Matthews] = *Senecio erraticus*

(*Senecio aquaticus* Hill. subsp. *barbareifolius* (Wimmer & Grab.) Walters) = *Senecio erraticus*

[*Senecio arcticus* Rupr.] = *Tephroseris palustris*

[*Senecio aurantiaca* (Hoppe ex. Willd.) Griseb. & Schenk] = *Tephroseris aurantiaca*

(*Senecio barbareifolius* (Wimmer & Grab.) Rechb.) = *Senecio erraticus*

(*Senecio besserianus* Minder.) = *Tephroseris aurantiaca*

Conservation status: RDBU (1), recognized as a separate species; ERL (R).

{*Senecio bicolor* auct. non (Willd.) Tod.} = *Senecio cineraria*

(*Senecio bicolor* (Willd.) Tod. subsp. *cineraria* (DC) Chater) = *Senecio cineraria*

(*Senecio bohemicus* Tausch) = *Senecio paludosus*

**Senecio borysthenticus** (DC.) Andr. ex Czern.

Conservation status: ERL (R).

[*Senecio capitatus* (Wahlenb.) Steud.] = *Tephroseris capitata*

**Senecio carniolicus** Willd.

**Senecio carpaticus** Herbich ~ *Senecio abrotanifolius* s.l.

**\*!Senecio cineraria** DC.

Note: Reported as a naturalized species in Crimea.

(*Senecio congestus* (R.Br.) DC.) = *Tephroseris palustris*

(*Senecio crispatus* DC.) = *Tephroseris crispa*

(*Senecio czernjaëvii* Minder.) = *Tephroseris integrifolia*

{*Senecio doria* auct. non L.} = *Senecio schvetsovii* & *Senecio umbrosus*

(*Senecio doria* L. subsp. *umbrosus* (Waldst. & Kit.) Soó) = *Senecio umbrosus*

**Senecio erraticus** Bertol.

**Senecio erucifolius** L.

**Senecio erucifolius** L. subsp. **tenuifolius** Schuebl. & G.Martens

**?Senecio ferganensis** Schischk.

Note: The record from Ukraine needs confirmation.

(*Senecio fluviatilis* Wallr.) = *Senecio sarracenicus*

(*Senecio fuchsii* C.C.Gmel.) = *Senecio ovatus*

**Senecio germanicus** Wallr. ~ *Senecio nemorensis* aggr.

**Senecio grandidentatus** Ledeb.

(*Senecio hieracifolius* L.) = *Erechtites hieracifolia*

[*Senecio incanus* L. subsp. *carniolicus* (Willd.) Braun-Blanq.] = *Senecio carniolicus*

[*Senecio integrifolius* (L.) Clairv.] = *Tephroseris integrifolia*

**Senecio jacobaea L.**

(Senecio jacquinianus Rchb.) = Senecio germanicus

[Senecio jailicola Juz.] = Tephroseris jailicola

(Senecio nemorensis L. subsp. fuchsii (C.C.Gmel.) Čelak. = Senecio ovatus

(Senecio nemorensis L. subsp. jacquinianus (Rchb.) Čelak. = Senecio germanicus

(Senecio nemorensis L. var. germanicus (Wallr.) Beck) = Senecio germanicus

**Senecio ovatus** (P.Gaertn., B.Mey. & Scherb.) Willd. ~ Senecio nemorensis aggr.

**Senecio paludosus L.**

[Senecio paluster (L.) DC.] = Tephroseris palustris

[Senecio papposus (Rchb.) Less.] = Tephroseris papposa

**Senecio paucifolius S.G.Gmel.**

[Senecio rivularis (Waldst. & Kit.) DC.] = Tephroseris crispa

(Senecio salicifolius Willd.) = Senecio ovatus

**Senecio sarracenicus L.**

{Senecio sarracenicus auct. non L.} = Senecio ovatus

**Senecio schvetzovii Korsh.**

**Senecio subalpinus W.D.J.Koch**

(Senecio sulphureus (Baumg.) Simonk.) = Tephroseris papposa

**Senecio sylvaticus L.**

**Senecio tataricus Less.**

**Senecio tauricus Konechn.**

(Senecio tenuifolius Jacq., nom. illeg.) = Senecio erucifolius subsp. tenuifolius

**Senecio umbrosus Waldst. & Kit.**

**Senecio vernalis Waldst. & Kit.**

**Senecio viscosus L.**

**Senecio vulgaris L.**

(Serratula alpina L.) = Saussurea alpina

(Serratula amara L.) = Saussurea amara

(Serratula arvensis L.) = Cirsium arvense

**Serratula bracteifolia** (Iljin ex Grossh.) Stank. ~ Serratula radiata

**Serratula cardunculus** (Pall.) Schischk.

**Serratula coronata L.**

(Serratula discolor Willd.) = Saussurea discolor

**Serratula donetzica Dubovik**

Conservation status: RDBU (I).

**Serratula erucifolia (L.) Boriss.**

{Serratula heterophylla auct. non (L.) Desf.} = Serratula lycopifolia

(Serratula hungarica Klokov ex Dobrocz.) = Serratula radiata

**Serratula lycopifolia (Vill.) A.Kern.**

(Serratula multiflora L.) = Jurinea multiflora

(*Serratula nitida* (Waldst. & Kit.) Besser) = *Serratula lycopifolia*

***Serratula radiata*** (Waldst. & Kit.) M.Bieb.

[*Serratula radiata* (Waldst. & Kit.) M.Bieb. subsp. *bracteifolia* Iljin ex Grossh.] = *Serratula bracteifolia*

(*Serratula salsa* Pall. ex M.Bieb.) = *Saussurea salsa*

***Serratula tanaitica*** P.Smim.

Conservation status: RDBU (1).

***Serratula tinctoria*** L.

(*Serratula wolffii* Andrae) = *Serratula coronata*

(*Serratula xeranthemoides* M.Bieb.) = *Serratula erucifolia*

***Sigesbeckia orientalis*** L.

(*Sigesbeckia serrata* DC.) = *Sigesbeckia orientalis* s.l.

**\*!*Silphium perfoliatum*** L.

Note: Locally naturalized in Kiev region.

***Silybum marianum*** (L.) P.Gaertn.

***Solidago alpestris*** Waldst. & Kit. ex Willd. ~ *Solidago virgaurea*

**\*!*Solidago canadensis*** L.

Note: A completely naturalized species.

{*Solidago gigantea* auct. non Aiton} = *Solidago serotinoidea*

[*Solidago gigantea* Aiton subsp. *serotina* (Kuntze) McNeill] = *Solidago serotinoidea*

**\*!*Solidago graminifolia*** (L.) Salisb.

***Solidago jaiarum*** Juz. ~ *Solidago virgaurea*

{*Solidago minuta* auct. non L.} = *Solidago alpestris*

(*Solidago serotina* Aiton 1789, non Retz. 1781) = *Solidago serotinoidea*

**\*!*Solidago serotinoidea*** A.Löve & D.Löve

Note: A completely naturalized species; less common in Ukraine than *S. canadensis*.

***Solidago taurica*** Juz. ~ *Solidago virgaurea*

***Solidago virgaurea*** L.

[*Solidago virgaurea* L. subsp. *alpestris* (Waldst. & Kit. ex Willd.) Rchb.] = *Solidago alpestris*

[*Solidago virgaurea* L. subsp. *jaiarum* (Juz.) Tzvelev] = *Solidago jaiarum*

{*Solidago virgaurea* L. subsp. *minuta* auct. non (L.) Arcang.} = *Solidago alpestris*

[*Solidago virgaurea* L. subsp. *taurica* (Juz.) Tzvelev] = *Solidago taurica*

***Sonchus arvensis*** L.

***Sonchus arvensis*** L. subsp. *uliginosus* Nyman

***Sonchus asper*** (L.) Hill

(*Sonchus laevis* Vill.) = *Sonchus oleraceus*

***Sonchus oleraceus* L.**

***Sonchus palustris* L.**

(*Sonchus uliginosus* M.Bieb., nom. illeg.) = *Sonchus arvensis* subsp. *uliginosus*

(*Stenactis annua* (L.) Cass.) = *Phalacroloma annuum*

(*Stenactis septentrionalis* (Fernald & Wiegand) Holub) = *Phalacroloma septentrionale*

(*Stenactis speciosa* Lindl.) = *Erigeron speciosus*

(*Stenactis strigosa* (Muehl. ex Willd.) DC.) = *Phalacroloma strigosum*

***Steptorhamphus tuberosus* (Jacq.) Grossh.**

**\**Tagetes erecta* L.**

**\**Tagetes patula* L.**

(*Tagetes signata* Bartl.) = *Tagetes tenuifolia*

**\**Tagetes tenuifolia* Cav.**

***Tanacetum achilleifolium* (M.Bieb.) Sch.Bip.**

(*Tanacetum alpinum* (L.) Sch.Bip.) = *Leucanthemopsis alpina*

(*Tanacetum balsamita* L.) = *Balsamita major*

(*Tanacetum cinerariifolium* (Trev.) Sch.Bip.) = *Pyrethrum cinerariifolium*

[*Tanacetum corymbosum* (L.) Sch.Bip.] = *Pyrethrum corymbosum*

(*Tanacetum corymbosum* (L.) Sch.Bip. subsp. *clusii* (Fisch. ex Rchb.) Heyw.) = *Pyrethrum clusii*

[*Tanacetum macrophyllum* (Waldst. & Kit.) Sch.Bip.] = *Pyrethrum macrophyllum*

***Tanacetum millefolium* (L.) Tzvelev**

***Tanacetum odessanum* (Klokov) Tzvelev**

***Tanacetum paczoskii* (Zefir.) Tzvelev**

Conservation status: IUCN RL (R); ERL (R).

(*Tanacetum partheniifolium* (Willd.) Sch.Bip.) = *Pyrethrum partheniifolium*

(*Tanacetum parthenium* (L.) Sch.Bip.) = *Pyrethrum parthenium*

(*Tanacetum serotinum* (L.) Sch.Bip.) = *Leucanthemella serotina*

(*Tanacetum subalpinum* (Schur) Simonk.) = *Leucanthemum subalpinum*

(*Tanacetum tauricum* Sch.Bip.) = *Tanacetum millefolium*

***Tanacetum vulgare* L.**

(*Tanacetum waldesteinii* Sch.Bip.) = *Leucanthemum rotundifolium*

(*Tanacetum zawadskii* (Herbich) Pawl.) = *Dendranthema zawadskii*

***Taraxacum alatum* Lindb.f. ~ *Taraxacum officinale* aggr.**

(*Taraxacum alpestre* (Tausch) DC.) = *Taraxacum nigricans*

{*Taraxacum alpinum* auct. non Hegetschw. & Heer} = *Taraxacum panalpinum* & *Taraxacum carinthiacum*

*Taraxacum angustissimum* Lindb.f. ~ *Taraxacum officinale* aggr.  
*Taraxacum bachczisaraicum* Tzvelev  
*Taraxacum beckeri* Soest ~ *Taraxacum erythrospermum* aggr.  
*Taraxacum bessarabicum* (Hornem.) Hand.-Mazz.  
*Taraxacum brachyglossum* (Dahlst.) Dahlst. ~ *Taraxacum erythrospermum* aggr.  
*Taraxacum carinthiacum* Soest  
*Taraxacum crebrideris* Lindb.f. ~ *Taraxacum officinale* aggr.  
*Taraxacum dahistedtii* Lindb.f. ~ *Taraxacum officinale* aggr.  
*Taraxacum decipiens* Raunk. ~ *Taraxacum erythrospermum* aggr.  
*Taraxacum dissimile* Dahlst.  
*Taraxacum distantilobum* Lindb.f. ~ *Taraxacum officinale* aggr.  
*Taraxacum erythrospermum* Andrz.  
*Taraxacum euplocarpum* Markl. ~ *Taraxacum officinale* aggr.  
*Taraxacum falcatum* Brenn.  
(*Taraxacum fontanicola* Soest) = *Taraxacum fontanum* aggr.  
*Taraxacum fontanum* Hand-Mazz.  
*Taraxacum fulvum* Raunk. ~ *Taraxacum falcatum* aggr.  
*Taraxacum haematicum* Hagl. ~ *Taraxacum officinale* aggr.  
*Taraxacum hellenicum* Dahlst.  
*Taraxacum hybernum* Steven  
*Taraxacum hypanicum* Tzvelev ~ *Taraxacum serotinum* aggr.  
*Taraxacum kjellmanii* Dahlst. ~ *Taraxacum officinale* aggr.  
*Taraxacum klokovii* Litvinenko  
\**Taraxacum kok-saghyz* Rodin  
*Taraxacum lawalreei* Soest  
*Taraxacum maculatum* Jord. ~ *Taraxacum officinale* aggr.  
*Taraxacum marginatum* (Dahlst.) Dahlst. ~ *Taraxacum erythrospermum* aggr.  
*Taraxacum marklundii* Palmgr. ~ *Taraxacum officinale* aggr.  
(*Taraxacum microcephalum* Schur) = *Taraxacum bessarabicum*  
*Taraxacum microcranum* Markl. ~ *Taraxacum officinale* aggr.  
*Taraxacum microlobum* Markl. ~ *Taraxacum falcatum* aggr.  
*Taraxacum mucronatum* Lindb.f. ~ *Taraxacum officinale* aggr.  
{*Taraxacum murbeckianum* auct. non Hagl.} = *Taraxacum pseudomurbeckianum*  
*Taraxacum neosivaschicum* Tzvelev  
*Taraxacum nigricans* (Kit.) Rechb.  
*Taraxacum obliquum* (Fr.) Dahlst.  
*Taraxacum officinale* Wigg. aggr.  
*Taraxacum ostensfeldii* Dahlst. ~ *Taraxacum officinale* aggr.  
*Taraxacum panalpinum* Soest  
*Taraxacum pannonicum* Sonck & Soest ~ *Taraxacum officinale* aggr.  
*Taraxacum parvuliceps* Lindb.f. ~ *Taraxacum officinale* aggr.

**Taraxacum pectinatiforme** Lindb.f. ~ *Taraxacum officinale* aggr.  
**Taraxacum penicilliforme** Lindb.f. ~ *Taraxacum officinale* aggr.  
**Taraxacum peralatum** Soest ~ *Taraxacum fontanum* aggr.  
**Taraxacum pineticola** Klokov ~ *Taraxacum proximum* aggr.  
**Taraxacum planum** Raunk. ~ *Taraxacum officinale* aggr.  
**Taraxacum pobedimoviae** Schischk. ~ *Taraxacum hybernum* aggr.  
**Taraxacum pohlii** Soest ~ *Taraxacum fontanum* aggr.  
**Taraxacum polonicum** Matecka & Soest  
**Taraxacum proximum** (Dahlst.) Dahlst.  
**Taraxacum pseudofulvum** Lindb.f. ~ *Taraxacum falcatum* aggr.  
**Taraxacum pseudomurbeckianum** Tzvelev  
**Taraxacum reflexilobum** Lindb.f. ~ *Taraxacum officinale* aggr.  
*(Taraxacum salinum Besser) = Taraxacum bessarabicum*  
**Taraxacum scanicum** Dahlst. ~ *Taraxacum proximum* aggr.  
**Taraxacum serotinum** (Waldst. & Kit.) Poir.  
**Taraxacum silesiacum** Dahlst. ex Hagl. ~ *Taraxacum erythrospermum* aggr.  
**Taraxacum sublaciniatum** Dahlst. & Lindb.f. ~ *Taraxacum officinale* aggr.  
**Taraxacum tauricum** Kotov  
**Taraxacum thracicum** Soest  
**Taraxacum tenebricans** (Dahlst.) Dahlst. ~ *Taraxacum officinale* aggr.  
**Taraxacum tenuilobum** (Dahlst.) Dahlst. ~ *Taraxacum proximum* aggr.  
**Taraxacum tortilobum** Florstr. ~ *Taraxacum dissimile* aggr.  
**Taraxacum zivaschum** Doll ~ *Taraxacum erythrospermum* aggr.

**Telekia speciosa** (Schreb.) Baumg.

**Tephroseris aurantiaca** (Hoppe ex. Willd.) Griseb. & Schenk

Note: See note under *Senecio besserianus*.

**Tephroseris capitata** (Wahlenb.) Griseb. & Schenk

**Tephroseris crispa** (Jacq.) Rechb.

**Tephroseris integrifolia** (L.) Holub

**Tephroseris jalicola** (Juz.) Konechn.

**Tephroseris palustris** (L.) Fourn.

**Tephroseris papposa** (Rechb.) Schur

*(Tephroseris rivularis (Waldst. & Kit.) Schur) = Tephroseris crispa*

*(Thrinicia hirta (Roth) Roth) = Leontodon saxatilis*

*(Thrinicia saxatilis (Lam.) Holub & Moravec) = Leontodon saxatilis*

*(Tragopogon artemczukii Klokov) = Tragopogon ucrainicus*

**\*Tragopogon australis** Jord. ~ *Tragopogon porrifolius*

**Tragopogon bjelorusicus** Artemcz.

**Tragopogon borysthenticus** Artemcz.

Conservation status: ERL (I).

(*Tragopogon campestris* Besser) = *Tragopogon major*

**Tragopogon dasyrhynchus** Artemcz.

**Tragopogon donetzicus** Artemcz. ~ *Tragopogon tanaiticus*

Note: The type of *T. donetzicus* probably represents a hybrid between *T. tanaiticus* and *T. ucrainicus*.

**Tragopogon dubius** Scop.

[*Tragopogon dubius* Scop. subsp. *desertorum* (Lindem.) Tzvelev] = *Tragopogon tesquicola*

[*Tragopogon dubius* Scop. subsp. *major* (Jacq.) Vollm.] = *Tragopogon major*

**Tragopogon elatior** Steven ~ *Tragopogon undulatus*

Conservation status: ERL (R).

{*Tragopogon floccosus* auct. non Waldst. & Kit.} = *Tragopogon ucrainicus* & *Tragopogon savranicus*

[*Tragopogon hybridus* L.] = *Geropogon hybridus*

(*Tragopogon intermedius* Besser) = *Tragopogon major*

(*Tragopogon leiorrhynchus* Klokov) = *Tragopogon podolicus*

(*Tragopogon lithuanicus* (DC.) Boriss.) = *Tragopogon bjelorusicus*

**Tragopogon major** Jacq. ~ *Tragopogon dubius*

(*Tragopogon melantherus* Klokov) = *Tragopogon orientalis*

(*Tragopogon moldavicus* Klokov) = *Tragopogon orientalis*

**Tragopogon orientalis** L.

**Tragopogon podolicus** (DC.) Artemcz.

\*!*Tragopogon porrifolius* L.

**Tragopogon pratensis** L.

(*Tragopogon pratensis* L. subsp. *orientalis* (L.) Čelak.) = *Tragopogon orientalis*

**Tragopogon pusillus** M.Bieb.

(*Tragopogon ruthenicus* Besser ex Krasch. & S.Nikit. subsp. *tanaiticus* (Artemcz.) C.Regel) = *Tragopogon tanaiticus*

**Tragopogon savranicus** Sobko ~ *Tragopogon floccosus*

(*Tragopogon stepposus* (S.Nikit.) Stank.) = *Tragopogon podolicus*

**Tragopogon tanaiticus** Artemcz.

Conservation status: ERL (I).

(*Tragopogon tauricus* Klokov) = *Tragopogon dubius*

**Tragopogon tesquicola** Klokov

(*Tragopogon transcarpaticus* Klokov) = *Tragopogon orientalis*

**Tragopogon ucrainicus** Artemcz.

Conservation status: ERL (R).

**Tragopogon undulatus** Jacq.

(*Tragopogon xanthantherus* Klokov) = *Tragopogon orientalis*

**Tripleurospermum inodorum** (L.) Schf.Bip.

**Tripleurospermum parviflorum** (Willd.) Pobed.

(*Tripleurospermum perforatum* (Mérat) Lainz) = *Tripleurospermum inodorum*

**Tripolium pannonicum** (Jacq.) Dobroc. ~ *Tripolium vulgare*

**Tripolium vulgare** Nees

Note: Almost all records of this species from Ukraine belong to *T. pannonicum*.

(*Trommsdorffia maculata* (L.) Bernh.) = *Hypochaeris maculata*

(*Trommsdorffia uniflora* (Vill.) Soják) = *Hypochaeris uniflora*

**Tussilago farfara** L.

**Verbesina encelioides** (Cav.) Benth. & Hook.f. ex A.Gray

**Xanthium albinum** (Widder) H.Scholz

Note: The number of *Xanthium* species occurring in Ukraine seems to be overestimated.

(*Xanthium albinum* (Widder) H.Scholz subsp. *riparium* (Čelak.) Widder & Wagenitz) =

*Xanthium rupicola*

(*Xanthium albinum* (Widder) H.Scholz subsp. *rupicola* (Holub) Dostál) = *Xanthium rupicola*

**Xanthium brasilicum** Vellozo

**Xanthium californicum** Greene ~ *Xanthium italicum*

**Xanthium italicum** Moretti

(*Xanthium italicum* Moretti subsp. *riparium* Čelak.) = *Xanthium rupicola*

**Xanthium pensylvanicum** Wallr.

(*Xanthium riparium* Itzigs. & Hertsch, nom. illeg.) = *Xanthium rupicola*

**Xanthium rupicola** Holub

**Xanthium saccharatum** Wallr.

Note: See V. Protopopova & M. Shevera (1995, Ukr. Bot. Zhurn. 52(1): 145-149).

**Xanthium sibiricum** Patrin ex Widder

**Xanthium spinosum** L.

**Xanthium strumarium** L.

**Xeranthemum annuum** L.

(*Xeranthemum bracteatum* Vent.) = *Helichrysum bracteatum*

**Xeranthemum cylindraceum** Sibth. & Smith

?**Xeranthemum inapterum** (L.) Mill.

Note: The only record from Ukraine (S Crimea) needs confirmation (misidentification of *X. cylindraceum*?).

[*Xerachrysum bracteatum* (Vent.) Tzvelev] = *Helichrysum bracteatum*



(*Xeroloma cylindracea* (Sibth. & Smith) Holub) = *Xeranthemum cylindraceum*

(*Ximenesia encelioides* Cav.) = *Verbesina encelioides*

*Zacintha verrucosa* P.Gaertn.

\**Zinnia elegans* Jacq.

## **FAMILY Balsaminaceae**

(*Balsamina hortensis* DC.) = *Impatiens balsamina*

\**Impatiens balsamina* L.

\*!*Impatiens glandulifera* Royle

Note: Successfully naturalized in some regions of Ukraine; tends to become invasive.

*Impatiens noli-tangere* L.

*Impatiens parviflora* DC.

(*Impatiens roylei* Walp.) = *Impatiens glandulifera*

## **FAMILY Basellaceae**

{*Anredera baselloides* auct. non (Kunth) Baillon} = *Anredera cordifolia*

\**Anredera cordifolia* (Ten.) Steenis

{*Boussingaultia baselloides* auct. non Kunth} = *Anredera cordifolia*

[*Boussingaultia cordifolia* Ten.] = *Anredera cordifolia*

## **FAMILY Berberidaceae**

\**Berberis amurensis* Rupr. ex Maxim.

[*Berberis aquifolium* Pursh] = *Mahonia aquifolium*

*Berberis orientalis* C.K.Schneid. ~ *Berberis vulgaris*

\*!*Berberis thunbergii* DC.

Note: Many other exotic species and hybrids of *Berberis* (ca. 80) are less commonly cultivated in botanical gardens and parks.

*Berberis vulgaris* L.

[*Berberis vulgaris* L. subsp. *orientalis* (C.K.Schneid.) Takht.] = *Berberis orientalis*

(*Berberis vulgaris* L. var. *orientalis* (C.K.Schneid.) Papava) = *Berberis orientalis*

(*Gymnospermium altaicum* (Pall.) Spach subsp. *odessanum* (DC.) E.Mayer & Pulevič) =

*Gymnospermium odessanum*

**Gymnospermium odessanum** (DC.) Takht.

Conservation status: RDBU (2); IUCN RL (I).

(*Leontice altaica* Pall. var. *odessana* DC.) = *Gymnospermium odessanum*

[*Leontice odessana* (DC.) Fisch.] = *Gymnospermium odessanum*

**\*!Mahonia aquifolium** (Pursh) Nutt.

Note: Locally escaped and naturalized (e.g., in Crimea and Kiev region). Several other species of *Mahonia* are known in Ukraine in botanical gardens only.

## **FAMILY Betulaceae**

Note: Excluding *Corylaceae*.

[*Alnus alnobetula* (Ehrh.) K.Koch] = *Duschekia alnobetula*

*Alnus glutinosa* (L.) P.Gaertn.

***Alnus incana*** (L.) Moench

(*Alnus viridis* (Chaix) DC.) = *Duschekia alnobetula*

(*Alnus vulgaris* Pers.) = *Alnus glutinosa*

(*Betula alba* L., nom. utique rej. prop.) = *Betula pubescens*

{*Betula alba* auct. non L.} = *Betula pendula*

(*Betula alnobetula* Ehrh.) = *Duschekia alnobetula*

(*Betula alnus* L.) = *Alnus glutinosa*

(*Betula atrata* Domin) = *Betula obscura* ?

Note: The taxonomic identity of *B. atrata* is unclear (*B. obscura* or *B. kotulae* ?).

***Betula borysthenea*** Klokov

Conservation status: RDBU (3).

(*Betula glutinosa* (L.) Lam.) = *Alnus glutinosa*

***Betula humilis*** Schrank

Conservation status: RDBU (3).

***Betula klovovii*** Zaverucha ~ *Betula pubescens* aggr.

Conservation status: RDBU (1).

***Betula kotulae*** Zaverucha ~ *Betula pendula* aggr.

**?*Betula litwinowii*** Doluch.

Note: The only reported locality of this species in Ukraine (in Lugansk region) needs confirmation.

**?*Betula microlepis*** Ig.Vassil. ~ *Betula pendula* aggr.

Note: The species rank for this taxon is problematic.

(*Betula myrsinoides* Tausch) = *Betula humilis*

***Betula obscura*** A.Kotula ~ *Betula pubescens* aggr.

Conservation status: RDBU (3), including *Betula kotulae*.

Note: See discussion on taxonomy of birches of Ukraine (B. Zaverukha & al., 1986, Ukr. Bot. Zhurn. 43(3): 79-83; A. Skvortsov, 1986, Ibid.: 83-88).

**\**Betula papyrifera*** Marschall

**Betula pendula** Roth

(*Betula pendula* Roth subsp. *obscura* (A.Kotula) A.Löve) = *Betula obscura*

**Betula polessica** Ivchenko ~ *Betula pubescens* aggr.

Note: The species rank for this form is highly improbable.

**Betula pubescens** Ehrh.

(*Betula verrucosa* Ehrh.) = *Betula pendula*

(*Betula verrucosa* Ehrh. subsp. *obscura* (A.Kotula) A.Löve & D.Löve) = *Betula obscura*

(*Betula viridis* Chaix) = *Duschekia alnobetula*

**Duschekia alnobetula** (Ehrh.) Pouzar

(*Duschekia viridis* (Chaix) Opiz) = *Duschekia alnobetula*

**FAMILY Bignoniaceae**

(*Bignonia catalpa* L.) = *Catalpa bignonioides*

(*Bignonia radicans* L.) = *Campsis radicans*

(*Bignonia tomentosa* Thunb.) = *Paulownia tomentosa*

Note: See family Scrophulariaceae.

\***Campsis grandiflora** (Thunb.) K.Schumann

\***Campsis radicans** (L.) Seem.

\***Catalpa bignonioides** Walter

(*Catalpa bignonioides* Walter var. *speciosa* Warder ex Barney) = *Catalpa speciosa*

\***Catalpa bungei** C.A.Mey.

(*Catalpa cordifolia* Moench) = *Catalpa bignonioides*

(*Catalpa kaempferi* Siebold & Zucc.) = *Catalpa ovata*

\***Catalpa ovata** G.Don

\***Catalpa speciosa** (Warder ex Barney) Warder ex Engelm.

**FAMILY Boraginaceae**

(*Aegonychon arvense* (L.) S.F.Gray) = *Lithospermum arvense*

**Aegonychon purpureocaeruleum** (L.) Holub

{*Alkanna tinctoria* auct. non (L.) Tausch} = *Alkana tuberculata*

\*!**Alkana tuberculata** (Forssk.) Meikle

**Amsinckia calycina** (Moris) Chater

Note: A rare casual alien in Odessa, sea harbor (T.V.Vasilieva, in press).

(*Anchusa arvensis* (L.) M.Bieb.) = *Lycopsis arvensis*

**Anchusa azurea** Mill.

**Anchusa barrelieri** (All.) Vitm.

**Anchusa gmelinii** Ledeb.

(*Anchusa italica* Retz.) = *Anchusa azurea*  
***Anchusa leptophylla*** Roem. & Schult.  
 (*Anchusa lutea* (Desr.) M.Bieb.) = *Nonnea lutea*  
 {*Anchusa ochroleuca* auct. non M.Bieb.} = *Anchusa popovii*  
 [*Anchusa ochroleuca* M.Bieb. subsp. *popovii* Guşul.] = *Anchusa popovii*  
***Anchusa officinalis*** L.  
 (*Anchusa orientalis* (L.) Rchb.f. 1858, non L. 1753) = *Lycopsis orientalis*  
***Anchusa popovii*** (Guşul.) Dobrocz. ~ *Anchusa ochroleuca* aggr.  
***Anchusa procera*** Besser  
***Anchusa pseudoochroleuca*** Des.-Shost. ~ *Anchusa ochroleuca* aggr.  
 (*Anchusa pulla* (L.) M.Bieb.) = *Nonnea pulla*  
***Anchusa pusilla*** Guşul.  
***Anchusa stylosa*** M.Bieb.  
***Anchusa thessala*** Boiss. & Sprun.  
 (*Anchusa tuberculata* Forssk.) = *Alkana tuberculata*  
 (*Anchusa ventricosa* Smith) = *Nonea echioides*

***Argusia sibirica*** (L.) Dandy

***Asperugo procumbens*** L.

\*!***Borago officinalis*** L.

\****Brunnera macrophylla*** (Adams) I.M.Johnst.

***Buglossoides arvensis*** (L.) I.M.Johnst.

***Buglossoides czernjajevii*** (Klokov) Czerep.

[*Buglossoides purpureocaerulea* (L.) I.M.Johnst.] = *Aegonychon purpureocaeruleum*

***Buglossoides sibthorpiana*** (Griseb.) Czerep. ~ *Buglossoides arvensis* s.l.

***Buglossoides tenuiflora*** (L.f.) I.M.Johnst.

***Cerinth minor*** L.

(*Cerinth quinquemaculata* Wahlenb.) = *Cerinth minor*

***Cynoglossum creticum*** Mill.

***Cynoglossum germanicum*** Jacq.

{*Cynoglossum montanum* auct. non L.} = *Cynoglossum germanicum*

***Cynoglossum officinale*** L.

(*Cynoglossum pictum* Sol. ex Aiton) = *Cynoglossum creticum*

***Echium biebersteinii*** Lacaita

{*Echium italicum* auct. non L.} = *Echium biebersteinii*

{*Echium lycopsis* auct. non L.} = *Echium plantagineum*

{*Echium maculatum* auct. non L.} = *Echium russicum*

(*Echium pyramidatum* DC.) = *Echium biebersteinii*

***Echium plantagineum*** L.

***Echium popovii*** Dobrocz. ~ *Echium russicum*

(*Echium rubrum* Jacq. 1778, non Forssk. 1774) = *Echium russicum*

***Echium russicum*** J.F.Gmel.

**Echium vulgare** L.

**Eritrichium nanum** (All.) Schrad. ex Gaudin

**Hackelia deflexa** (Wahlenb.) Opiz

**Heliotropium europaeum** L.

**Heliotropium dolosum** De Not.

**Heliotropium ellipticum** Ledeb.

**?Heliotropium europaeum** L.

**Heliotropium intermedium** Andr.

Conservation status: ERL (I).

(**Heliotropium incanescens** Andr.) = **Heliotropium dolosum**

(**Heliotropium littorale** Steven) = **Heliotropium dolosum**

**\*Heliotropium peruvianum** L.

(**Heliotropium stevenianum** Andr.) = **Heliotropium europaeum**

**Heliotropium suaveolens** M.Bieb.

**Heliotropium subcanescens** Andr. & Besser ex Steven ~ **Heliospermum europaeum**

**Lappula barbata** (M.Bieb.) Guerke

**Lappula conanquinea** (Fisch. & C.A.Mey.) Guerke

(**Lappula echinata** Gilib., nom. inval.) = **Lappula squarrosa**

(**Lappula heterocarpa** Klokov & Artemcz.) = **Lappula semicincta**

(**Lappula myosotis** Moench) = **Lappula squarrosa**

**Lappula patula** (Lehm.) Menyh.

**Lappula semicincta** (Steven) M.Pop. ex Dobrocz.

**Lappula squarrosa** (Retz.) Dumort.

[**Lithospermum apulum** L.] = **Neatostema apulum**

[**Lithospermum arvense** L.] = **Buglossoides arvensis**

[**Lithospermum czernjajevii** Klokov] = **Buglossoides czernjajevii**

**Lithospermum officinale** L.

[**Lithospermum purpureocaeruleum** L.] = **Aegonychon purpureocaeruleum**

[**Lithospermum sibthorpianum** Griseb.] = **Buglossoides sibthorpiana**

(**Lithospermum strigosum** M.Bieb.) = **Neatostema apulum**

[**Lithospermum tenuiflorum** L.f.] = **Buglossoides tenuiflora**

**Lycopsis arvensis** L.

(**Lycopsis lutea** Desr.) = **Nonea lutea**

**Lycopsis orientalis** L.

(**Lycopsis pulla** L. 1759, non Loeffl. 1758) = **Nonea pulla**

(**Lycopsis taurica** Ledeb.) = **Nonea taurica**

(**Messerschmidia sibirica** (L.) L.) = **Argusia sibirica**

**Moltkia coerulea** (Willd.) Lehm.

**Myosotis alpestris** F.W.Schmidt

(*Myosotis arenaria* Schrad. ex Schultz) = *Myosotis micrantha*

**Myosotis arvensis** (L.) Hill

[*Myosotis barbata* M.Bieb.] = *Lappula barbata*

(*Myosotis cespitosa* K.F.Schultz) = *Myosotis laxa*

(*Myosotis collina* Rchb. 1822, non Hoffm. 1791) = *Myosotis ramosissima*

**Myosotis decumbens** Host ~ *Myosotis sylvatica* aggr.

**Myosotis discolor** Pers.

(*Myosotis hispida* Schlecht.) = *Myosotis ramosissima*

(*Myosotis idaea* Boiss. & Heldr.) = *Myosotis incrassata*

**Myosotis incrassata** Guss. ~ *Myosotis litoralis*

(*Myosotis lappula* L.) = *Lappula squarrosa*

**Myosotis laxa** Lehm. ~ *Myosotis scorpioides* aggr.

**Myosotis laxiflora** Rchb. ~ *Myosotis scorpioides* aggr.

**Myosotis lithospermifolia** (Willd.) Hornem.

**Myosotis lithuanica** (Schmalh.) Dobrocz. ~ *Myosotis scorpioides* aggr.

**Myosotis litoralis** Steven ex M.Bieb.

**Myosotis ludomilae** Zaverucha ~ *Myosotis sylvatica* aggr.

**Myosotis micrantha** Pall. ex Lehm.

(*Myosotis montana* Besser) = *Myosotis sylvatica*

**Myosotis nemorosa** Besser ~ *Myosotis scorpioides* aggr.

[*Myosotis nana* All.] = *Eritrichium nanum*

(*Myosotis palustris* (L.) L.) = *Myosotis scorpioides*

(*Myosotis palustris* Hill, nom. illeg.) = *Myosotis scorpioides*

**Myosotis pineticola** Klokov & Des.-Shost. ~ *Myosotis ucrainica*

**Myosotis popovii** Dobrocz. ~ *Myosotis sylvatica* aggr.

**Myosotis ramosissima** Roemer ex Schult.

**Myosotis refracta** Boiss.

**Myosotis scorpioides** L.

(*Myosotis scorpioides* L. var. *arvensis* L.) = *Myosotis arvensis*

(*Myosotis scorpioides* L. var. *palustris* L.) = *Myosotis scorpioides*

**Myosotis sparsiflora** J.C.Mikan ex Pohl

**Myosotis stenophylla** Knaf ~ *Myosotis alpestris*

(*Myosotis stricta* Link ex Roem & Schult.) = *Myosotis micrantha*

(*Myosotis strigulosa* Rchb.) = *Myosotis nemorosa*

{*Myosotis strigulosa* auct. non Rchb.} = *Myosotis laxiflora*

**Myosotis sylvatica** Ehrh. ex Hoffm.

**Myosotis ucrainica** Czern.

(*Myosotis variabilis* Angelis) = *Myosotis decumbens*

(*Myosotis verna* Opiz) = *Myosotis micrantha*

(*Myosotis versicolor* (Pers.) Smith) = *Myosotis discolor*

**Neatostema apulum** (L.) J.M.Johnst.

*Nonea echioides* (L.) Roem. & Schult.

*Nonea lutea* (Desr.) DC.

*Nonea pallens* Petrovič

(*Nonea pulchella* Pacz.) = *Nonea pallens*

*Nonea pulla* DC.

[*Nonea pulla* DC. subsp. *taurica* (Ledeb.) Soó] = *Nonea taurica*

*Nonea rossica* Steven ~ *Nonea pulla* aggr.

*Nonea taurica* (Ledeb.) Ledeb. ~ *Nonea taurica* aggr.

(*Nonea ventricosa* (Smith) Griseb.) = *Nonea echioides*

\*!*Omphalodes linifolia* (L.) Moench

*Omphalodes scorpioides* (Haenke) Schrank

\*!*Omphalodes verna* Moench

{*Onosma arenaria* auct. non Waldst. & Kit.} = *Onosma borysthena*

*Onosma borysthena* Klokov ~ *Onosma arenaria* aggr.

(*Onosma caeruleum* Willd.) = *Moltkia caerulea*

(*Onosma calycina* Steven) = *Onosma visiani*

*Onosma granitcola* Klokov ~ *Onosma arenaria* aggr.

Conservation status: RDBU (1); ERL (R).

*Onosma lipskyi* Klokov

*Onosma macrochaeta* Klokov & Dobroc. ~ *Onosma visiani*

*Onosma polychroma* Klokov ex M.Pop.

*Onosma polyphylla* Ledeb.

Conservation status: RDBU (2); IUCN KL (1); ERL (R).

*Onosma pseudotinctoria* Klokov ~ *Onosma tinctoria* aggr.

*Onosma rigida* Ledeb. ~ *Onosma stellulata* aggr.

{*Onosma stellulata* auct. non Waldst. & Kit.} = *Onosma rigida* & *Onosma taurica*

*Onosma subtinctoria* Klokov ~ *Onosma tinctoria* aggr.

*Onosma tanaitica* Klokov

Conservation status: RDBU (3).

Note: *Onosma tanaitica* is closely related to *O. simplicissima* L.

*Onosma taurica* Pall. ~ *Onosma stellulata* aggr.

*Onosma tinctoria* M.Bieb.

*Onosma visianii* Clementi

*Pulmonaria angustifolia* L.

(*Pulmonaria azurea* Besser) = *Pulmonaria angustifolia*

*Pulmonaria filarszkyana* Jáv. ~ *Pulmonaria rubra*

Conservation status: ERL (V).

*Pulmonaria mollis* Wulfen ex Hornem.

(*Pulmonaria mollissima* A.Kern.) = *Pulmonaria mollis*

(*Pulmonaria transilvanica* Schur) = *Pulmonaria rubra*

*Pulmonaria obscura* Dumort. ~ *Pulmonaria officinalis* aggr.

*Pulmonaria officinalis* L.

Note: Occurrence of *P. officinalis* s.str. in Ukraine needs confirmation.

[*Pulmonaria officinalis* L. subsp. *obscura* (Dumort.) Murb.] = *Pulmonaria obscura*  
***Pulmonaria rubra* Schott**

***Rindera tetraspis* Pall.**

***Rindera umbellata* (Waldst. & Kit.) Bunge**

***Rochelia retorta* (Pall.) Lipsky**

***Solenanthus biebersteinii* DC.**

Conservation status: RDBU (1).

[*Strophostoma sparsiflora* (Pohl) Turcz.] = *Myosotis sparsiflora*

***Symphytum asperum* Lepech.**

Note: *Symphytum* × *uplandicum* Nyman (*S. asperum* × *S. officinale*) can be expected in Ukraine.

(*Symphytum besseri* Zaverucha) = *Symphytum microcalyx*

***Symphytum bohemicum* F.W.Schmidt**

***Symphytum caucasicum* M.Bieb.**

Note: Naturalized (or native ?) in Crimea.

***Symphytum cordatum* Waldst. & Kit. ex Willd.**

(*Symphytum cordifolium* Baumg.) = *Symphytum cordatum*

***Symphytum microcalyx* Opiz**

***Symphytum officinale* L.**

[*Symphytum officinale* L. subsp. *bohemicum* (F.W.Schmidt) Čelak.] = *Symphytum bohemicum*

[*Symphytum officinale* L. subsp. *uliginosum* (A.Kern.) Nyman] = *Symphytum tanaicense*

{*Symphytum orientale* auct. non L.} = *Symphytum tauricum*

(*Symphytum pannonicum* Pers.) = *Symphytum cordatum*

**\*!*Symphytum peregrinum* Ledeb.**

***Symphytum popovii* Dobrocz.**

***Symphytum tanaicense* Steven**

***Symphytum tauricum* Willd.**

(*Symphytum uliginosum* A.Kern.) = *Symphytum tanaicense*

(*Tournefortia sibirica* L.) = *Argusia sibirica*

## **FAMILY Brassicaceae**

[*Acachmena cuspidata* (M.Bieb.) H.P.Fuchs] = *Erysimum cuspidatum*

(*Alliaria officinalis* Andr. ex M.Bieb.) = *Alliaria petiolata*

***Alliaria petiolata* (M.Bieb.) Cavara & Grande**

(*Alyssum alyssoides* (L.) L., nom. ambig.) = *Alyssum calycinum*

(*Alyssum arenarium* C.C.Gmel., nom. illeg.) = *Alyssum gmelinii*



(*Alyssum borysthenticum* Zapal.) = *Alyssum savranicum*  
***Alyssum borzaeanum*** Nyár. ~ *Alyssum tortuosum* aggr.  
(*Alyssum brodense* Zapal.) = *Alyssum hirsutum*  
***Alyssum caliacrae*** Nyár. ~ *Alyssum tortuosum* aggr.  
***Alyssum calycinum*** L.  
***Alyssum calycocarpum*** Rupr.

Conservation status: IUCN RL (R); ERL (R).

{*Alyssum campestre* auct. non L.} = *Alyssum parviflorum*  
(*Alyssum campestre* (L.) L.) = *Alyssum calycinum*  
{*Alyssum campestre* auct. non (L.) L.} = *Alyssum parviflorum*  
(*Alyssum cretaceum* (Kotov) Kotov) = *Alyssum gymnopodium*  
***Alyssum desertorum*** Stapf ~ *Alyssum turkestanicum* s.l.  
***Alyssum gmelinii*** Jord.

***Alyssum gymnopodium*** P.Smirm. ~ *Alyssum tortuosum* aggr.

Conservation status: RDBU (2).

***Alyssum hirsutum*** M.Bieb.  
(*Alyssum incanum* L.) = *Berteroa incana*  
***Alyssum kotovii*** Iljinskaja ~ *Alyssum repens*  
{*Alyssum linifolium* Stephan ex Willd.} = *Meniocus linifolius*  
***Alyssum lenense*** Adams  
(*Alyssum longistylum* (N.Busch) Grossh.) = *Alyssum tortuosum*  
(*Alyssum maritimum* (L.) Lam.) = *Lobularia maritima*  
(*Alyssum medium* Iljinskaja, non Host) = *Alyssum gmelinii*  
{*Alyssum minimum* auct. non L.} = *Alyssum desertorum*  
***Alyssum minutum*** Schlecht. ex DC.  
{*Alyssum montanum* auct. non L.} = *Alyssum gmelinii*  
{*Alyssum montanum* L. subsp. *gmelinii* (Jord.) Hegi & E.Schmid} = *Alyssum gmelinii*  
(*Alyssum montanum* L. subsp. *rostratum* (Steven) Schmalh.) = *Alyssum rostratum*  
(*Alyssum montanum* L. subsp. *trichostachyum* (Rupr.) Hayek) = *Alyssum trichostachyum*  
***Alyssum murale*** Waldst. & Kit.  
***Alyssum obtusifolium*** Steven ex DC.

Note: Taxonomic identity of *A. obtusifolium* remains somewhat uncertain because of confusion with other taxa of the *A. tortuosum* group.

{*Alyssum obtusifolium* auct. non Steven ex DC.} = *Alyssum borzaeanum* & *Alyssum caliacrae*

(*Alyssum odessanum* Nyár.) = *Alyssum tortuosum*

***Alyssum parviflorum*** M.Bieb.

(*Alyssum repens* Baumg. subsp. *trichostachyum* (Rupr.) Hayek) = *Alyssum trichostachyum*

***Alyssum rostratum*** Steven

***Alyssum savranicum*** Andr. ~ *Alyssum tortuosum* aggr.

Conservation status: ERL (I).

{*Alyssum saxatile* L.} = *Aurinia saxatilis*

***Alyssum smyrnaeum*** C.A.Mey.

(*Alyssum tenderiense* Kotov) = *Alyssum borzaeanum*

***Alyssum tortuosum*** Waldst. & Kit.

{*Alyssum tortuosum* Waldst. & Kit. subsp. *borzaeanum* (Nyár.) Stoj. & Stef.} = *Alyssum borzaeanum*

[*Alyssum tortuosum* Waldst. & Kit. subsp. *caliacrae* (Nyár.) Stoj. & Stef.] = *Alyssum caliacrae*  
[*Alyssum tortuosum* Waldst. & Kit. subsp. *cretaceum* Kotov] = *Alyssum gymnopodium*  
[*Alyssum tortuosum* Waldst. & Kit. subsp. *savranicum* (Andrz.) Nyár.] = *Alyssum savranicum*

***Alyssum trichostachyum* Rupr. ~ *Alyssum repens***

[*Alyssum turkestanicum* Regel & Schmalh. var. *desertorum* (Stapf.) Botsch.] = *Alyssum desertorum*

***Alyssum umbellatum* Desv.**

(*Alyssum vindobonense* Beck) = *Alyssum desertorum*

(*Anastatica syriaca* L.) = *Euclidium syriacum*

***Arabidopsis thaliana* (L.) Heynh.**

***Arabidopsis toxophylla* (M.Bieb.) N.Busch**

{*Arabis allionii* auct. non DC.} = *Arabis sudetica*

***Arabis alpina* L.**

[*Arabis alpina* L. subsp. *caucasica* (Schlecht. ex Willd.) Briq.] = *Arabis caucasica*

(*Arabis arenosa* (L.) Scop.) = *Cardaminopsis arenosa*

***Arabis auriculata* Lam.**

***Arabis caucasica* Schlecht. ex Willd. ~ *Arabis alpina* aggr.**

(*Arabis dasycarpa* Andrz. ex DC.) = *Arabis auriculata*

(*Arabis gerardii* (Besser) Besser ex W.D.J.Koch) = *Arabis nemorensis*

[*Arabis glabra* (L.) Bernh.] = *Turritis glabra*

(*Arabis halleri* L.) = *Cardaminopsis halleri*

***Arabis hirsuta* (L.) Scop.**

{*Arabis hirsuta* auct. non (L.) Scop.} = *Arabis sagittata*

(*Arabis hirsuta* (L.) Scop. subsp. *hornungiana* (Schur.) Simonk.) = *Arabis hornungiana*

(*Arabis hirsuta* (L.) Scop. subsp. *sudetica* (Tausch) Oborny) = *Arabis sudetica*

***Arabis hornungiana* Schur ~ *Arabis hirsuta* aggr.**

(*Arabis multijuga* (Borbás) Kotov) = *Cardaminopsis multijuga*

(*Arabis neglecta* Schult.) = *Cardaminopsis neglecta*

***Arabis nemorensis* (Hoffm.) W.D.J.Koch ~ *Arabis hirsuta* aggr.**

(*Arabis ovirensis* Wulfen) = *Cardaminopsis ovirensis*

***Arabis pendula* L.**

(*Arabis petiolata* M.Bieb.) = *Alliaria petiolata*

(*Arabis petrogena* A.Kern.) = *Cardaminopsis petrogena*

{*Arabis planisiliqua* auct. non (Pers.) Rchb.} = *Arabis nemorensis*

(*Arabis planisiliqua* (Pers.) Rchb. subsp. *nemorensis* (Hoffm.) Soják) = *Arabis nemorensis*

(*Arabis recta* Vill.) = *Arabis auriculata*

***Arabis sagittata* (Bertol.) DC. ~ *Arabis hirsuta* aggr.**

(*Arabis septentrionalis* N.Busch) = *Cardaminopsis petraea*

***Arabis sudetica* Tausch ~ *Arabis hirsuta* aggr.**

(*Arabis thaliana* L.) = *Arabidopsis thaliana*

**Arabis turrita** L.

**Arabis verna** (L.) R.Br.

Note: The species is known from Crimea (Ayudag and Maly Mayak).

(*Armoracia lapathifolia* Gilib., nom. inval.) = *Armoracia rusticana*

?**Armoracia macrocarpa** (Waldst. & Kit. ex Willd.) Kit. ex Baumg.

Note: Reported from Slovakia, Hungary and Romania; may be expected also in W Ukraine, especially in Transcarpathia.

\*!**Armoracia rusticana** P.Gaertn., B.Mey. & Scherb.

**Aurinia saxatilis** (L.) Desv.

(*Barbarea arcuata* (Opiz ex J.Presl & C.Presl) Rechb.) = *Barbarea vulgaris* subsp. *arcuata*

**Barbarea stricta** Andrz.

(*Barbarea taurica* DC.) = *Barbarea vulgaris* subsp. *arcuata*

**Barbarea verna** (Mill.) Asch.

**Barbarea vulgaris** R.Br.

**Barbarea vulgaris** R.Br. subsp. *arcuata* (Opiz ex J.Presl & C.Presl) Hayek

**Berteroa incana** (L.) DC.

**Biscutella austriaca** Jord. ~ *Biscutella laevigata*

(*Biscutella austriaca* Jord. subsp. *hungarica* (Soó) Peniašteková) = *Biscutella austriaca*

**Biscutella laevigata** L.

[*Biscutella laevigata* L. subsp. *austriaca* (Jord.) Mach.-Laur.] = *Biscutella austriaca*

(*Biscutella laevigata* L. subsp. *hungarica* Soó) = *Biscutella austriaca*

[*Brassica armoracioides* Czern. ex Turcz.] = *Erucastrum armoracioides*

(*Brassica besseriana* Andrz.) = *Brassica juncea*

**Brassica campestris** L.

(*Brassica cretacea* (Kotov) Stank., nom. inval.) = *Erucastrum cretaceum*

**Brassica cretica** Lam.

Note: Old records from the Crimean South Coast need confirmation.

{*Brassica elongata* auct. non Ehrh.} = *Erucastrum armoracioides*

(*Brassica eruca* L.) = *Eruca vesicaria*

**Brassica juncea** (L.) Czern.

\*!**Brassica napus** L.

**Brassica nigra** (L.) W.D.J.Koch

\*!**Brassica oleracea** L.

[*Brassica orientalis* L.] = *Conringia orientalis*

(*Brassica polymorpha* Murray) = *Sisymbrium polymorphum*

\*!**Brassica rapa** L.

[*Brassica rapa* L. subsp. *campestris* (L.) A.R.Clapham] = *Brassica campestris*

{*Brassica sylvestris* auct. non (L.) Mill.} = *Brassica taurica* & *Brassica campestris*

(*Brassica sylvestris* (L.) Mill. subsp. *taurica* Tzvelev) = *Brassica taurica*

**Brassica taurica** (Tzvelev) Tzvelev

Conservation status: RDBU (I); IUCN RL (I), as *Brassica sylvestris* subsp. *taurica*; ERL (R).

Note: Native status doubtful; probably conspecific with *B. incana* Ten. (*B. oleracea* group).  
(*Brassica vesicaria* L.) = *Eruca vesicaria*

(*Bunias arvensis* Jord.) = *Bunias erucago*

**Bunias erucago** L.

**Bunias orientalis** L.

(*Bunias syriaca* (L.) M.Bieb.) = *Euclidium syriacum*

{*Cakile maritima* auct. non Scop.} = *Cakile euxina*

[*Cakile maritima* Scop. subsp. *euxina* (Pobed.) Nyár.] = *Cakile euxina*

**Cakile euxina** Pobed.

**Calepina irregularis** (Asso) Thell.

(*Camelina albiflora* (Boiss.) N.Busch) = *Camelina rumelica*

**Camelina alyssum** (Mill.) Thell.

(*Camelina dentata* (Willd.) Pers.) = *Camelina alyssum*

(*Camelina glabrata* (DC.) Fritsch) = *Camelina sativa*

(*Camelina linicola* Schimp. & Spenner) = *Camelina alyssum*

**Camelina macrocarpa** Wierzb. ex Rchb. ~ *Camelina alyssum*

**Camelina microcarpa** Andr.

[*Camelina microcarpa* Andr. subsp. *sylvestris* (Wallr.) Hiitonen] = *Camelina sylvestris*

(*Camelina pilosa* (DC.) N.Zinger) = *Camelina sylvestris*

{*Camelina pilosa* sensu N.Zinger} = *Camelina sativa* subsp. *zingeri*

**Camelina rumelica** Velen.

**Camelina sativa** (L.) Crantz

**Camelina sativa** (L.) Crantz subsp. **zingeri** (Mirek) Smejkal

(*Camelina sativa* (L.) Crantz var. *pilosa* DC.) = *Camelina sylvestris*

(*Camelina sativa* (L.) Crantz var. *zingeri* Mirek) = *Camelina sativa* subsp. *zingeri*

**Camelina sylvestris** Wallr. ~ *Camelina microcarpa*

**Capsella bursa-pastoris** (L.) Medik.

**Capsella orientalis** Klokov ~ *Capsella bursa-pastoris*

**Capsella rubella** Reut.

Note: Collected as a rare alien species in Kiev and some other regions of Ukraine after the Second World War; now probably extinct.

**Cardamine amara** L.

[*Cardamine amara* L. subsp. *opicii* (J.Presl et C.Presl) Čelak.] = *Cardamine opicii*

[*Cardamine bulbifera* (L.) Crantz] = *Dentaria bulbifera*

**Cardamine dentata** Schult. ~ *Cardamine pratensis* aggr.

**Cardamine flexuosa** With.

[*Cardamine glandulifera* O.Schwarz] = *Dentaria glandulosa*  
(*Cardamine glandulosa* (Waldst. & Kit.) Čelak., non Blanco) = *Dentaria glandulosa*  
***Cardamine graeca* L.**

Conservation status: RDBU (1).

Note: Reported for Crimea and W Ukraine. However, the Carpathian records are based on misidentification (K. Marhold, personal communication).

***Cardamine hirsuta* L.**

***Cardamine impatiens* L.**

***Cardamine majovskii* Marhold & Zaborsky ~ *Cardamine pratensis* aggr.**

***Cardamine matthioli* Moretti ~ *Cardamine pratensis* aggr.**

(*Cardamine multicaulis* Hoppe) = *Cardamine hirsuta*

***Cardamine opicii* J.Presl & C.Presl ~ *Cardamine amara***

(*Cardamine opizii* J.Presl & C.Presl, ortho) = *Cardamine opicii*

(*Cardamine paludosa* Knap) = *Cardamine dentata*

(*Cardamine palustris* (Wimmer & Graebn.) Peterm.) = *Cardamine dentata*

***Cardamine parviflora* L.**

***Cardamine pratensis* L.**

(*Cardamine pratensis* L. subsp. *dentata* (Schult.) Čelak.) = *Cardamine dentata*

[*Cardamine pratensis* L. subsp. *matthioli* (Moretti) Nyman] = *Cardamine matthioli*

[*Cardamine pratensis* L. subsp. *paludosa* (Knap) Čelak.] = *Cardamine dentata*

[*Cardamine pratensis* L. subsp. *rivularis* (Schur) Nyman] = *Cardamine rivularis*

[*Cardamine quinquefolia* (M.Bieb.) Schmalh.] = *Dentaria quinquefolia*

***Cardamine rivularis* Schur ~ *Cardamine pratensis* aggr.**

(*Cardamine sylvatica* Link) = *Cardamine flexuosa*

***Cardamine tenera* J.G.Gmel. ex C.A.Mey.**

***Cardamine trifolia* L.**

(*Cardamine umbrosa* Andrzej. ex DC.) = *Cardamine flexuosa*

***Cardaminopsis arenosa* (L.) Hayek**

[*Cardaminopsis arenosa* (L.) Hayek subsp. *borbasii* (Zapał.) Pawl. ex H.Scholz. =

*Cardaminopsis multijuga*

(*Cardaminopsis arenosa* (L.) Hayek var. *multijuga* (Borbás) Kotov) = *Cardaminopsis multijuga*

(*Cardaminopsis borbasii* Zapał.) = *Cardaminopsis multijuga*

(*Cardaminopsis dependens* Soó) = *Cardaminopsis multijuga*

***Cardaminopsis halleri* (L.) Hayek**

[*Cardaminopsis halleri* (L.) Hayek subsp. *ovirensis* (Wulfen) E.Schmid] = *Cardaminopsis ovirensis*

***Cardaminopsis neglecta* (Schult.) Hayek**

***Cardaminopsis multijuga* (Borbás) Czerep. ~ *Cardaminopsis arenosa***

***Cardaminopsis ovirensis* (Wulfen) Thell. ex Jáv. ~ *Cardaminopsis halleri***

(*Cardaminopsis ovirensis* (Wulfen) O.Schwarz, comb. superfl.) = *Cardaminopsis ovirensis*

***Cardaminopsis petraea* (L.) Hiitonen**

***Cardaminopsis petrogena* (A.Kern.) Mesiček ~ *Cardaminopsis arenosa***

**Cardaria chalepensis** (L.) Hand.-Mazz.

Note: The alien plants recently found by I. Moiseenko in Kherson most probably belong to *Cardaria repens* (Schrenk) Jarm., a Central Asian "microspecies" of the *C. chalepensis* aggregate. See S. Mosyakin & I. Moiseenko (1999, Ukr. Bot. Zhurn. 56(2): 163-166).

**Cardaria draba** (L.) Desv.

**Cardaria pubescens** (C.A.Mey.) Jarm.

Note: A rare alien species known from Kiev and Odessa.

(*Chamaeplium officinale* (L.) Wallr.) = *Sisymbrium officinale*

(*Cheiranthus apricus* Stephan) = *Clausia aprica*

(*Cheiranthus canus* Piller & Mitterp.) = *Syrenia cana*

\*!**Cheiranthus cheiri** L.

(*Cheiranthus erysimoides* L.) = *Erysimum odoratum*

(*Cheiranthus leucanthemus* Stephan) = *Erysimum leucanthemum*

(*Cheiranthus montanus* Pall.) = *Syrenia montana*

(*Cheiranthus siliculosus* M.Bieb.) = *Syrenia siliculosa*

**Chorispora tenella** (Pall.) DC.

**Clausia aprica** (Stephan) Korn.-Trotzky

**Clypeola jonthlaspi** L.

[*Clypeola jonthlaspi* L. subsp. *microcarpa* (G.Moris) Arcang.] = *Clypeola microcarpa*

**Clypeola microcarpa** G.Moris ~ *Clypeola jonthlaspi*

{*Cochlearia officinalis* auct. non L.} = *Cochlearia polonica*

{*Cochlearia polonica* auct. non E.Froehl.} = *Cochlearia pyrenaica*

Conservation status: RDBU (I), as *Cochlearia polonica*; IUCN RL (Ex/E); ERL (E).

**Cochlearia pyrenaica** DC.

Note: Ukrainian plants were usually identified as *C. polonica*. See discussion in

R. Vogt (1985, Ber. Bayer. Bot. Ges. 56: 24).

(*Cochlearia sibirica* Willd.) = *Sobolewskia sibirica*

**Conringia clavata** Boiss.

Note: Reported for Crimea, between Sudak and Novyi Svet (see V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

**Conringia orientalis** (L.) Dumort.

(*Conringia perfoliata* (C.A.Mey.) N.Busch 1939, non Link 1822) = *Conringia clavata*

(*Coronopus procumbens* Ces., Passerini & Gibelli) = *Coronopus squamatus*

(*Coronopus procumbens* Gilib., nom. inval.) = *Coronopus squamatus*

**Coronopus squamatus** (Forssk.) Asch.

**Crambe aspera** M.Bieb.

Conservation status: ERL (R).

(*Crambe buschii* (O.E.Schulz) Stank.) = *Crambe aspera*

**Crambe grandiflora** DC.

Note: According to O. Dubovik (1995, Bot. Zhurn. 80(6): 87-93), *C. grandiflora* is a synonym of *C. pinnatifida*.

**Crambe koktebelica** (Junge) N.Busch

Conservation status: RDBU (2).

(*Crambe koktebelica* (Junge) N.Busch var. *mitridatis* (Juz.) Kotov) = *Crambe mitridatis*  
{*Crambe maritima* auct. non L.} = *Crambe pontica*

Note: According to O. Dubovik (1995, l.c.), *C. maritima* has been probably described from Crimea, and thus this name should be applied to plants of Ukraine.

**Crambe mitridatis** Juz.

Conservation status: RDBU (1); ERL (R).

**Crambe pinnatifida** R.Br.

**Crambe pontica** Steven ex Rupr.

**Crambe steveniana** Rupr.

Conservation status: RDBU (1); IUCN RL (1).

**Crambe tatarica** Sebeok

(*Crambe tatarica* Pall.) = *Crambe tatarica*

**Dentaria bulbifera** L.

**Dentaria glandulosa** Waldst. & Kit.

**Dentaria quinquefolia** M.Bieb.

**Descurainia sophia** (L.) Webb ex Prantl

**Diplotaxis cretacea** Kotov

Conservation status: RDBU (3).

**Diplotaxis muralis** (L.) DC.

**Diplotaxis** × **tanaitica** Schtscherbina = *Diplotaxis cretacea* × *Diplotaxis muralis*

**Diplotaxis tenuifolia** (L.) DC.

**Diplotaxis viminea** (L.) DC.

**Draba aizoides** L.

**Draba carinthiaca** Hoppe

**Draba cuspidata** M.Bieb.

Conservation status: IUCN RL (R).

**Draba muralis** L.

**Draba nemorosa** L.

**Draba sibirica** (Pall.) Thell.

Note: Records of this species from Ukraine (adventive, along railroads) need confirmation.

{*Draba siliquosa* auct. non M.Bieb.} = *Draba carinthiaca*

(*Draba verna* L.) = *Erophila verna*

**Erophila krockeri** Andr. ~ *Erophila verna* aggr.

**Erophila praecox** (Steven) DC. ~ *Erophila verna* aggr.

**Erophila verna** (L.) Besser

(*Erophila verna* (L.) Chevall., comb. superfl.) = *Erophila verna*

[*Erophila verna* (L.) Besser subsp. *praecox* (Steven) Walters] = *Erophila praecox*

(*Eruca sativa* Mill.) = *Eruca vesicaria*

\*!**Eruca vesicaria** (L.) Cav.

**Erucastrum armoracioides** (Czern. ex Turcz.) Cruchet

**Erucastrum cretaceum** Kotov ~ *Erucastrum armoracioides*

{*Erucastrum elongatum* auct. non (Ehrh.) Rehb.} = *Erucastrum armoracioides*

**Erucastrum gallicum** (Wild.) O.E.Schulz

(*Erucastrum incanum* (L.) W.D.J.Koch) = *Hirschfeldia incana*

**Erucastrum nasturtiifolium** (Poir.) O.E.Schulz

(*Erysimum alliaria* L.) = *Alliaria petiolata*

**Erysimum andrzejevskianum** Besser ~ *Erysimum diffusum*

**Erysimum aureum** M.Bieb.

(*Erysimum canescens* Roth) = *Erysimum diffusum*

**Erysimum cheiranthoides** L.

[*Erysimum cheiri* (L.) Crantz] = *Cheiranthus cheiri*

**Erysimum cretaceum** (Rupr.) Schmalh.

Conservation status: ERI. (I).

**Erysimum cuspidatum** (M.Bieb.) DC.

**Erysimum diffusum** Ehrh.

(*Erysimum durum* J.Presl & C.Presl) = *Erysimum marschallianum*

(*Erysimum erysimoides* (L.) Fritsch ex Janchen, non (Kar. & Kir.) O.E.Schulz) =

*Erysimum odoratum*

**Erysimum exaltatum** Andr. ex Besser ~ *Erysimum odoratum* aggr.

{*Erysimum hieraciifolium* auct. non L.} = *Erysimum strictum*

Note: The name *E. hieraciifolium* caused much confusion and was considered by some authors as nom. ambig. and even nom. illeg. The type material of *E. hieraciifolium* s.str. probably belongs either to the Central European taxon known also as *E. crepidifolium* Rehb., or to *E. odoratum*.

**Erysimum hungaricum** Zapal. ~ *Erysimum strictum*

**Erysimum krynkense** Lavrenko

Conservation status: ERL (R).

**Erysimum leptostylum** DC.

**Erysimum leucanthemum** (Stephan) B.Fedtsch.

**Erysimum marschallianum** Andr. ex DC. ~ *Erysimum strictum*

**Erysimum odoratum** Ehrh.

(*Erysimum officinale* L.) = *Sisymbrium officinale*

(*Erysimum pannonicum* Crantz, nom. illeg.) = *Erysimum odoratum*

(*Erysimum ramosissimum* Crantz) = *Erysimum repandum*



**Erysimum repandum** L.

(*Erysimum rigidum* DC.) = *Erysimum repandum*

**Erysimum strictum** P.Gaertn., B.Mey. & Scherb.

(*Erysimum strictum* DC.) = *Erysimum odoratum*

(*Erysimum sylvaticum* M.Bieb.) = *Erysimum aureum*

**Erysimum transsilvanicum** Schur ~ *Erysimum odoratum* aggr.

**Erysimum ucranicum** J.Gay

Conservation status: IUCN RL (R).

{*Erysimum ucranicum* auct. non J.Gay} = *Erysimum cretaceum*

(*Erysimum versicolor* M.Bieb.) = *Erysimum leucanthemum*

**Erysimum witmannii** Zawadzki ~ *Erysimum odoratum* aggr.

(*Erysimum witmannii* Zawadzki subsp. *transsilvanicum* (Schur) P.W.Ball) = *Erysimum transsilvanicum*

**Euclidium syriacum** (L.) R.Br.

(*Fedtschenkoa africana* (L.) Dvořák) = *Strigosella africana*

**Fibigia clypeata** (L.) Medik.

**Goldbachia laevigata** (M.Bieb.) DC.

Note: Reported in Ukraine only once, as a rare casual alien in Kiev; now disappeared.

(*Goldbachia reticulata* (O.Kuntze) Vassilcz.) = *Goldbachia laevigata*

**Hesperis candida** Kit. ex Mueggenb., Kanitz & Knapp ~ *Hesperis matronalis* aggr.

**Hesperis matronalis** L.

(*Hesperis matronalis* L. subsp. *candida* (Kit. ex Mueggenb., Kanitz & Knapp) Hegi & E.Schmid) = *Hesperis candida*

(*Hesperis matronalis* L. subsp. *nivea* (Baumg.) Kulcz.) = *Hesperis nivea*

(*Hesperis matronalis* L. subsp. *sibirica* (L.) Hayek) = *Hesperis sibirica*

(*Hesperis matronalis* L. subsp. *voronovii* (N.Busch) P.W.Ball) = *Hesperis voronovii*

**Hesperis nivea** Baumg. ~ *Hesperis matronalis* aggr.

Note: Reported for the Carpathians; needs confirmation.

**Hesperis pycnotricha** Borbás & Degen.

**Hesperis sibirica** L. ~ *Hesperis matronalis* aggr.

**Hesperis steveniana** DC. ~ *Hesperis sylvestris* aggr.

**Hesperis suaveolens** (Andrz.) Steud. ~ *Hesperis sylvestris* aggr.

?**Hesperis sylvestris** Crantz

Note: No reliable records of *H. sylvestris* s.str. are available from Ukraine yet.

{*Hesperis sylvestris* auct. non Crantz} = *Hesperis suaveolens* & *Hesperis steveniana*

**Hesperis tristis** L.

(*Hesperis verna* L.) = *Arabis verna*

**Hesperis voronovii** N.Busch ~ *Hesperis matronalis* aggr.

**Hirschfeldia incana** (L.) Lagr.-Foss.

**Hornungia petraea** (L.) Rchb.

[*Hutchinsia petraea* (L.) R.Br.] = *Hornungia petraea*

**Hymenolobus procumbens** (L.) Fourr.

\*!**Iberis amara** L.

**Iberis pinnata** L.

**Iberis saxatilis** L.

{*Iberis simplex* auct. non DC.} = *Iberis taurica*

**Iberis taurica** DC.

\*!**Iberis umbellata** L.

**Isatis campestris** Steven ex DC. ~ *Isatis tinctoria* aggr.

{*Isatis canescens* auct. non DC.} = *Isatis tomentella*

**Isatis costata** C.A.Mey.

?**Isatis heterocarpa** Andrz.

Note: The exact taxonomic identity of this species is uncertain; however, it clearly belongs to the *I. tinctoria* aggregate.

{*Isatis lasiocarpa* auct. non Ledeb.} = *Isatis praecox*

(*Isatis lasiocarpa* Ledeb.) = *Isatis costata*

**Isatis littoralis** Steven ex DC.

Conservation status: ERL (I).

(*Isatis maeotica* DC.) = *Isatis campestris*

**Isatis praecox** Kit. ex Tratt. ~ *Isatis tinctoria* aggr.

**Isatis taurica** M.Bieb. ~ *Isatis tinctoria* aggr.

**Isatis tinctoria** L.

(*Isatis tinctoria* L. subsp. *campestris* (Steven ex DC.) Kulcz.) = *Isatis campestris*

(*Isatis tinctoria* L. subsp. *praecox* (Kit. ex Tratt.) Domin & Podp.) = *Isatis praecox*

(*Isatis tinctoria* L. subsp. *tomentella* (Boiss. & Balansa) P.H.Davis) = *Isatis tomentella*

**Isatis tomentella** Boiss. & Balansa ~ *Isatis tinctoria* aggr.

**Isatis villarsii** Gaudin ~ *Isatis tinctoria* aggr.

[*Konig maritima* (L.) R.Br.] = *Lobularia maritima*

**Leavenworthia torulosa** A.Gray

**Lepidium affine** Ledeb. ~ *Lepidium latifolium* s.l.

{*Lepidium apetalum* auct. non Willd.} = *Lepidium densiflorum*

(*Lepidium borysthenticum* Kleopow) = *Lepidium crassifolium*

**Lepidium campestre** (L.) R.Br.

**Lepidium cartilagineum** (J.Mayer) Thell.

(*Lepidium cartilagineum* (J.Mayer) Thell. subsp. *crassifolium* (Waldst. & Kit.) Thell.) =

*Lepidium crassifolium*

(*Lepidium cartilagineum* (J.Mayer) Thell. subsp. *pumilum* (Boiss. & Balansa) Hedge) =  
*Lepidium pumilum*  
 (*Lepidium cartilagineum* (J.Mayer) Thell. var. *borysthenticum* (Kleopow) Latowski) =  
*Lepidium borysthenticum*  
 [*Lepidium chalepense* L.] = *Cardaria chalepensis*  
***Lepidium crassifolium*** Waldst. & Kit. ~ *Lepidium cartilagineum* aggr.  
***Lepidium densiflorum*** Schrad.  
 [*Lepidium draba* L.] = *Cardaria draba*  
***Lepidium graminifolium*** L.  
***Lepidium latifolium*** L.  
 {*Lepidium meyeri* auct. non Claus} = *Lepidium turczaninowii*  
 [*Lepidium meyeri* Claus subsp. *turczaninowii* (Lipsky) Schmalh.] = *Lepidium turczaninowii*  
***Lepidium perfoliatum*** L.  
***Lepidium pinnatifidum*** Ledeb.  
 Note: Reported for Crimea, Kerch (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).  
***Lepidium pumilum*** Boiss. & Balansa ~ *Lepidium cartilagineum* aggr.  
***Lepidium ruderales*** L.  
 \****Lepidium sativum*** L.  
 (*Lepidium sibiricum* Pall.) = *Draba sibirica*  
 (*Lepidium sibiricum* Schweigg. 1812, non Pall. 1776) = *Lepidium affine*  
***Lepidium syvaschicum*** Kleopow ~ *Lepidium cartilagineum* aggr.  
 Conservation status: ERL (R).  
***Lepidium turczaninowii*** Lipsky ~ *Lepidium meyeri*  
 Conservation status: RDBU (1); IUCN RL (R); ERL (E).  
***Lepidium virginicum*** L.  
 Note: See V. Protopopova & al. (1994, Ukr. Bot. Zhurn. 51(2-3): 225-228).

\*!***Lobularia maritima*** (L.) Desv.

\*!***Lunaria annua*** L.

***Lunaria rediviva*** L.

Conservation status: RDBU (3).

(*Malcolmia africana* (L.) R.Br.) = *Strigosella africana*

\****Matthiola annua*** (L.) Sweet ~ *Matthiola incana*

\*!***Matthiola bicornis*** (Sibth. & Smith) DC. ~ *Matthiola longipetala*

***Matthiola fragrans*** Bunge

\*!***Matthiola incana*** (L.) R.Br.

{*Matthiola incana* auct. non R.Br.} = *Matthiola annua*

\****Matthiola longipetala*** (Vent.) DC.

[*Matthiola longipetala* (Vent.) DC. subsp. *bicornis* (Sibth. & Smith) P.W.Ball] =

*Matthiola bicornis*

***Matthiola odoratissima*** (M.Bieb.) R.Br.

(*Matthiola odoratissima* (M.Bieb.) R.Br. subsp. *taurica* (Conti) Stank.) = *Matthiola odoratissima*  
(*Matthiola oxyceras* DC.) = *Matthiola longipetala*  
(*Matthiola taurica* (Conti) Grossh.) = *Matthiola odoratissima*

***Meniocus linifolius*** (Stephan ex Willd.) DC.

[*Microthlaspi perfoliatum* (L.) F.K.Mey.] = *Thlaspi perfoliatum*

***Myagrum perfoliatum*** L.

(*Myagrum perenne* L.) = *Rapistrum perenne*

(*Myagrum rugosum* L.) = *Rapistrum rugosum*

[*Nasturtium officinale* R.Br.] = *Rorippa nasturtium-aquaticum*

(*Nasturtium natans* DC.) = *Rorippa amphibia*

(*Nasturtium riparium* Wallr.) = *Rorippa amphibia*

(*Nasturtium austriacum* Crantz) = *Rorippa austriaca*

(*Nasturtium brachycarpum* C.A.Mey.) = *Rorippa brachycarpa*

(*Nasturtium sylvestre* (L.) R.Br.) = *Rorippa sylvestris*

?***Neotorularia contortuplicata*** (Stephan ex Willd.) O.E.Schulz

Note: Old records from Crimea are unconfirmed.

***Neotorularia torulosa*** (Desf.) Hedge & J.Leonard

***Neslia paniculata*** (L.) Desv.

[*Noccaea dacica* (Heuff.) F.K.Mey.] = *Thlaspi dacicum*

[*Noccaea praecox* (Wulfen) F.K.Mey.] = *Thlaspi praecox*

[*Noccaea kovatsii* (Heu.) F.K.Mey.] = *Thlaspi kovatsii*

[*Noccaea macrantha* (Lipsky) F.K.Mey.] = *Thlaspi macranthum*

[*Psilonema calycinum* (L.) C.A.Mey.] = *Alyssum calycinum*

***Raphanus candidus*** Worosch.

Note: Probably a hybrid *R. raphanistrum* × *R. sativus*.

***Raphanus maritimus*** Smith

(*Raphanus odessanus* (Andrz.) Spreng.) = *Raphanus maritimus*

***Raphanus raphanistrum*** L.

\*!***Raphanus sativus*** L.

[*Raphanus tenellus* Pall.] = *Chorispora tenella*

{*Rapistrum orientale* auct. non Crantz} = *Rapistrum rugosum*

***Rapistrum perenne*** (L.) All.

***Rapistrum rugosum*** (L.) Bergeret

**Rorippa amphibia** (L.) Besser

(*Rorippa amphibia* (L.) Besser var. *natans* (DC.) Kotov) = *Rorippa amphibia*

(*Rorippa amphibia* (L.) Besser var. *riparia* (Wallr.) Kotov) = *Rorippa amphibia*

**Rorippa × anceps** (Wahlenb.) Rchb. = *Rorippa amphibia* × *Rorippa sylvestris*

**Rorippa × armoracioides** (Tausch) Fuss = *Rorippa austriaca* × *Rorippa sylvestris*

?**Rorippa × astyla** (Rchb.) Rchb. = *Rorippa palustris* × *Rorippa sylvestris*

Note: Distribution of *Rorippa* hybrids in Ukraine is insufficiently known.

**Rorippa austriaca** (Crantz) Besser

**Rorippa brachycarpa** (C.A.Mey.) Hayek

**Rorippa dogadovae** Tzvelev

**Rorippa × hungarica** Borbás = *Rorippa amphibia* × *Rorippa austriaca*

(*Rorippa hybrida* Klokov) = *Rorippa brachycarpa*

{*Rorippa hybrida* auct. non Klokov} = *Rorippa × anceps*

(*Rorippa islandica* (Oeder ex Murray) Borbás subsp. *dogadovae* (Tzvelev) Jonsell) =

*Rorippa dogadovae*

**Rorippa nasturtium-aquaticum** (L.) Hayek

**Rorippa palustris** (L.) Besser

(*Rorippa × podolica* Zapal.) = *Rorippa × hungarica*

**Rorippa prolifera** (Heuff.) Neilr. ~ *Rorippa sylvestris*

(*Rorippa × prostrata* (Bergeret) Schinz & Thell., nom. ambig.) = *Rorippa × anceps*

**Rorippa pyrenaica** (Lam.) Rchb.

(*Rorippa repens* Borbás) = *Rorippa × anceps*

?**Rorippa × sodalis** Zapal. = *Rorippa amphibia* × *Rorippa sylvestris*

?**Rorippa × stenophylla** Borbás = *Rorippa pyrenaica* × *Rorippa sylvestris*

**Rorippa sylvestris** (L.) Besser

**Schivereckia mutabilis** (M.Alexeenko) M.Alexeenko ~ *Schivereckia podolica* s.l.

**Schivereckia podolica** (Besser) Andr. ex DC.

Conservation status: RDBU (1), including *Schivereckia mutabilis*; IUCN RL (1).

\*!**Sinapis alba** L.

{*Sinapis alba* auct. non L.} = *Sinapis dissecta*

[*Sinapis alba* L. subsp. *dissecta* (Lag.) Simonk.] = *Sinapis dissecta*

**Sinapis arvensis** L.

**Sinapis dissecta** Lag.

(*Sinapis nigra* L.) = *Brassica nigra*

(*Sinapis taurica* M.Bieb.) = *Hirschfeldia incana*

(*Sinapis ucrainica* Czern.) = *Sinapis dissecta*

**Sisymbrium altissimum** L.

(*Sisymbrium amphibium* L.) = *Rorippa amphibia*

(*Sisymbrium arenosum* L.) = *Cardaminopsis arenosa*

**Sisymbrium austriacum** Jacq.

**Sisymbrium confertum** Steven ex Turcz.

(*Sisymbrium gallicum* Willd.) = *Erucastrum gallicum*

(*Sisymbrium junceum* (Willd.) M.Bieb.) = *Sisymbrium polymorphum*

***Sisymbrium loeselii* L.**

(*Sisymbrium multisiliquosum* Hoffm.) = *Sisymbrium irio*

(*Sisymbrium murale* L.) = *Diploaxis muralis*

***Sisymbrium officinale* (L.) Scop.**

***Sisymbrium orientale* L.**

(*Sisymbrium pannonicum* Jacq.) = *Sisymbrium altissimum*

***Sisymbrium polymorphum* (Murray) Roth**

[*Sisymbrium sophia* L.] = *Descurainia sophia*

***Sisymbrium strictissimum* L.**

***Sisymbrium supinum* L.**

(*Sisymbrium sylvestre* L.) = *Rorippa sylvestris*

(*Sisymbrium tenuifolium* L.) = *Diploaxis tenuifolia*

***Sisymbrium volgense* M.Bieb. ex Fourn.**

(*Sisymbrium wolgense* M.Bieb. ex Fourn., ortho) = *Sisymbrium volgense*

***Sobolewskia sibirica* (Willd.) P.W.Ball**

Conservation status: RDBU (2); ERL (V).

(*Sobolewskia lithophila* M.Bieb.) = *Sobolewskia sibirica*

***Strigosella africana* (L.) Botsch.**

**?*Subularia aquatica* L.**

Note: Only old records of this species (Vinnitsa and Dnipropetrovsk regions) are available from Ukraine.

(*Syrenia aucta* Klokov) = *Syrenia montana*

***Syrenia cana* (Piller & Mitterp.) Neir.**

(*Syrenia dolichostylus* Klokov) = *Syrenia montana*

***Syrenia montana* (Pall.) Klokov**

(*Syrenia praevisa* Klokov) = *Syrenia cana*

(*Syrenia sessiliflora* Ledeb., nom. illeg.) = *Syrenia montana*

***Syrenia siliculosa* (M.Bieb.) Andr.**

***Syrenia talijevii* Klokov**

Conservation status: ERL (R).

(*Syrenia ucrainica* Klokov) = *Syrenia cana*

***Teesdalia coronopifolia* (Bergeret) Thell.**

Note: The species is reported from Crimea (Ayudag and Maly Mayak).

***Teesdalia nudicaulis* (L.) R.Br.**

***Thlaspi alliaceum* L.**

***Thlaspi arvense* L.**

(*Thlaspi bursa-pastoris* L.) = *Capsella bursa-pastoris*  
(*Thlaspi campestre* L.) = *Lepidium campestre*  
(*Thlaspi coronopifolium* Bergeret) = *Teesdalia coronopifolia*  
***Thlaspi dacicum* Heuff.**  
***Thlaspi kovatsii* Heuff.**  
***Thlaspi macranthum* (Lipsky) N.Busch**  
***Thlaspi perfoliatum* L.**  
***Thlaspi praecox* Wulf**

(*Torularia contortuplicata* (Stephan) O.E.Schulz, nom. illeg.) = *Neotorularia contortuplicata*  
(*Torularia torulosa* (Desf.) O.E.Schulz, nom. illeg.) = *Neotorularia torulosa*

***Turritis glabra* L.**

## **FAMILY Buddlejaceae**

**\**Buddleja davidii* Franch.**

## **FAMILY Buxaceae**

**\**Buxus balearica* Lam.**

**\**Buxus sempervirens* L.**

## **FAMILY Cactaceae**

{*Opuntia camanchica* auct. non Engelm. & Bigelow} = *Opuntia humifusa*

**\*!*Opuntia humifusa* Raf.**

Note: Locally naturalized in SE Crimea. Several other species are cultivated in Crimea.

The taxonomic identity of the escaped and naturalized species is somewhat uncertain and needs clarification.

## **FAMILY Caesalpiniaceae**

**\**Caesalpinia gilliesii* (Wall. ex Hook.) Benth.**

[*Cassia tora* L.] = *Senna tora*

**\**Cercis canadensis* L.**

**\**Cercis chinensis* Bunge**

**\*!*Cercis siliquastrum* L.**

Note: Reported as escaped and locally naturalized in Crimea.

**\**Gleditsia aquatica* Marshall**

Note: Rarely cultivated, mostly in Crimea.

**\**Gleditsia caspia* Desf.**

**\*Gleditsia macracantha** Desf.

Note: Rarely cultivated in Crimea.

**\*!Gleditsia triacanthos** L.

(Gleditschia, ortho) = Gleditsia

(Guilandina dioica L.) = Gymnocladus dioicus

(Gymnocladus canadensis Lam.) = Gymnocladus dioicus

**\*Gymnocladus dioicus** (L.) K.Koch.

**Senna tora** (L.) Roxb.

Note: A rare casual alien reported from Odessa by T. Vasilieva.

## **FAMILY Callitrichaceae**

(Callitriche autumnalis L.) = Callitriche hermaphroditica

**Callitriche cophocarpa** Sendtner

**Callitriche hamulata** Kutz. ex W.D.J.Koch

**Callitriche hermaphroditica** L.

**Callitriche palustris** L.

(Callitriche polymorpha Lönnr.) = Callitriche cophocarpa

**Callitriche stagnalis** Scop.

(Callitriche verna L.) = Callitriche palustris

(Callitriche vernalis W.D.J.Koch) = Callitriche palustris

## **FAMILY Campanulaceae**

**Adenophora lilifolia** (L.) Ledeb. ex A.DC.

(Adenophora lilifolia (L.) Besser) = Adenophora lilifolia

**Adenophora taurica** (Sukacz.) Juz.

Conservation status: RDBU (1); IUCN RL (R); ERL (R).

**Asyneuma canescens** (Waldst. & Kit.) Griseb. & Schenk

**Campanula abietina** Griseb. & Schenk

**Campanula alpina** Jacq

**Campanula altaica** Ledeb.

**Campanula bononiensis** L.

**Campanula carpatica** Jacq.

Conservation status: RDBU (1).

**Campanula cervicaria** L.

**Campanula charkeviczii** Fed. ~ **Campanula sibirica**

Conservation status: ERL (E).

(**Campanula elatior** (Fomin) Grossh.) = **Campanula praealta**

**Campanula elliptica** Kit. ~ **Campanula glomerata**

**Campanula erinus** L. ~ **Campanula sibirica**



**Campanula farinosa** Andr. ~ **Campanula glomerata**

**Campanula glomerata** L.

(**Campanula glomerata** L. subsp. *elliptica* (Kit.) Jáv.] = **Campanula elliptica**

(**Campanula glomerata** L. subsp. *elliptica* (Kit.) Jáv.f. *subcapitata* (M.Pop.) Soó) =  
**Campanula subcapitata**

[**Campanula glomerata** L. subsp. *farinosa* (Andrz.) Kirschl.] = **Campanula farinosa**

[**Campanula glomerata** L. subsp. *subcapitata* (M.Pop.) Fed.] = **Campanula subcapitata**

(**Campanula hornungiana** Schur) = **Campanula serrata**

**Campanula kladniana** (Schur) Witasek

[**Campanula kladniana** (Schur) Witasek subsp. *polymorpha* Witasek] = **Campanula polymorpha**

**Campanula latifolia** L.

(**Campanula lilifolia** L.) = **Adenophora lilifolia**

**Campanula macrostachya** Waldst. & Kit. ex Willd.

\*!**Campanula medium** L.

(**Campanula nanella** Schur) = **Campanula erinus**

(**Campanula napuligera** Schur) = **Campanula serrata**

(**Campanula neglecta** Besser) = **Campanula rapunculoides**

(**Campanula neglecta** Roem. & Schult.) = **Campanula patula**

**Campanula patula** L.

[**Campanula patula** L. subsp. *abietina* (Griseb. & Schenk) Simonk.] = **Campanula abietina**

**Campanula persicifolia** L.

**Campanula polymorpha** Witasek

(**Campanula polessica** Wissjul.) = **Campanula glomerata**

**Campanula praealta** Galushko ~ **Campanula sibirica**

**Campanula pulchra** Wissjul. ~ **Campanula elliptica**

**Campanula polymorpha** Witasek

**Campanula rapunculoides** L.

**Campanula rapunculus** L.

**Campanula rotundifolia** L.

[**Campanula rotundifolia** L. subsp. *polymorpha* (Witasek) Tacik] = **Campanula polymorpha**

[**Campanula rotundifolia** L. subsp. *kladniana* (Schur) Tacik] = **Campanula kladniana**

**Campanula kladniana** (Schur) Witasek

**Campanula serrata** (Kit. ex Schult.) Hendrych

**Campanula sibirica** L.

[**Campanula sibirica** L. subsp. *charkeviczii* (Fed.) Fed.] = **Campanula charkeviczii**

(**Campanula sibirica** L. subsp. *elatior* (Fomin) Fed.) = **Campanula praealta**

[**Campanula sibirica** L. subsp. *talievii* (Juz.) Fed.] = **Campanula talievii**

[**Campanula sibirica** L. subsp. *taurica* (Juz.) Fed.] = **Campanula taurica**

(**Campanula stevenii** M.Bieb. subsp. *altaica* (Ledeb.) Fed.) = **Campanula altaica**

**Campanula subcapitata** M.Pop. ~ **Campanula glomerata**

**Campanula talievii** Juz. ~ **Campanula sibirica**

**Campanula taurica** Juz. ~ **Campanula sibirica**

**Campanula trachelium** L.

(**Campanula urticifolia** Schmidt) = **Campanula trachelium**

**Jasione montana** L.

**Legousia hybrida** (L.) Delarbre

**Legousia pentagonia** (L.) Druce

**Legousia perfoliata** (L.) Britt.

Note: A rare alien species collected in 1994-1996 in Odessa (T.V. Vasilieva, in press).

**Phyteuma orbiculare** L.

**Phyteuma spicatum** L.

**Phyteuma tetramerum** Schur

**Phyteuma wagneri** A.Kern.

## **FAMILY Cannabaceae**

**Cannabis ruderalis** Janisch. ~ *Cannabis sativa*

\*!*Cannabis sativa* L.

[*Cannabis sativa* L. subsp. *spontanea* Serebr.] = *Cannabis ruderalis*

{*Humulopsis scandens* auct. non (Lour.) Grudz.} = *Humulus japonicus*

**Humulus japonicus** Siebold & Zucc.

**Humulus lupulus** L.

Note: Some Ukrainian plants (introduced forms ?) of this polymorphic species are morphologically similar to, or probably conspecific with, *H. americanus* Nutt. (*H. lupulus* var. *lupuloides* E.Small).

{*Humulus scandens* auct. non (Lour.) Merrill!} = *Humulus japonicus*

Note: According to E.Small (1997, Fl. of North America 3: 381-387), the disposition of the name *H. scandens* (= *Antidesma scandens* Lour.) is problematic, since the material described by J. de Loureiro was not preserved, and the original description does not coincide with that of *H. japonicus*. For nomenclatural stability, it is probably safer to use the name *H. japonicus*.

## **FAMILY Capparaceae**

**Capparis herbacea** Willd.

(*Capparis ovata* Desf. var. *herbacea* (Willd.) Zohary) = *Capparis herbacea*

{*Capparis spinosa* auct. non L.} = *Capparis herbacea*

**Cleome canescens** Steven ex DC.

**Cleome donetzica** Tzvelev

Conservation status: RDBU (2).

{*Cleome ornithopodioides* auct. non L.} = *Cleome canescens* & *Cleome donetzica*

[*Cleome ornithopodioides* L. subsp. *canescens* (Steven ex DC.) Tzvelev] = *Cleome canescens*

[*Cleome ornithopodioides* L. subsp. *donetzica* (Tzvelev) Tzvelev] = *Cleome donetzica*

\**Cleome spinosa* Jacq.

## **FAMILY (Capparidaceae) = Capparaceae**

## **FAMILY Caprifoliaceae**

(*Caprifolium hortense* Lam.) = *Lonicera caprifolium*  
(*Caprifolium nigrum* (L.) Kuntze) = *Lonicera nigra*  
(*Caprifolium periclymenum* (L.) Delarbre) = *Lonicera periclymenum*  
(*Caprifolium tataricum* (L.) Kuntze) = *Lonicera tatarica*  
(*Caprifolium vulgare* Medik.) = *Lonicera caprifolium*  
(*Caprifolium xylosteum* (L.) Gaertn.) = *Lonicera xylosteum*

[*Diervilla floribunda* Siebold & Zucc.] = *Weigela floribunda*

[*Dervilla praecox* Lemoine] = *Weigela praecox*

\**Diervilla sessilifolia* Buckl.

*Linnaea borealis* L.

Conservation status: RDBU (1).

*Lonicera caerulea* L.

\*!*Lonicera caprifolium* L.

*Lonicera etrusca* Santi

*Lonicera nigra* L.

\**Lonicera periclymenum* L.

\*!*Lonicera tatarica* L.

*Lonicera xylosteum* L.

Note: Many exotic species of *Lonicera* are less commonly cultivated in botanical gardens, parks and arboreta.

*Sambucus ebulus* L.

*Sambucus nigra* L.

*Sambucus racemosa* L.

\*!*Symphoricarpos albus* (L.) S.F.Blake

Note: Several other North-American species are cultivated rarely in botanical gardens.

(*Symphoricarpos racemosus* Michx.) = *Symphoricarpos albus* s.l.

(*Symphoricarpos rivularis* Suksdorf) = *Symphoricarpos albus* s.l.

*Viburnum lantana* L.

*Viburnum opulus* L.

\*!*Viburnum tinus* L.

Note: Naturalized in Crimea.

\**Weigela floribunda* (Siebold & Zucc.) C.A.Mey.

\**Weigela praecox* (Lemoine) Bailey

## **FAMILY Caryophyllaceae**

### **Agrostemma githago L.**

(*Agrostemma linicola* Terechov) = *Agrostemma githago* s.l.

(*Alsine media* L.) = *Stellaria media*

(*Alsine neglecta* (Weihe) A.Löve & D.Löve) = *Stellaria neglecta*

(*Alsine nemorum* (L.) Schreb.) = *Stellaria nemorum*

(*Alsine oxypetala* Wol.) = *Minuartia oxypetala*

(*Alsine pinifolia* Fenzl var. *eglandulosa* Fenzl) = *Minuartia eglandulosa*

(*Alsine taurica* Steven) = *Minuartia taurica*

(*Alsine trinervia* (L.) Crantz) = *Moehringia trinervia*

(*Alsine umbellata* (L.) Lam.) = *Holosteum umbellatum*

(*Alsine zarecznyi* Zapł.) = *Minutaria zarecznyi*

(*Alsinula media* (L.) Dostál) = *Stellaria media*

(*Alsinula neglecta* (Weihe) Dostál) = *Stellaria neglecta*

(*Alsinula pallida* (Dumort.) Dostál) = *Stellaria pallida*

[*Arenaria biebersteinii* Schlecht.] = *Eremogone biebersteinii*

(*Arenaria breviflora* Gilib., nom. inval.) = *Arenaria leptoclados*

(*Arenaria brevifolia* Gilib., sphalm.) = *Arenaria leptoclados*

[*Arenaria cephalotes* M.Bieb.] = *Eremogone cephalotes*

***Arenaria leptoclados* (Rchb.) Guss.**

[*Arenaria longifolia* M.Bieb.] = *Eremogone longifolia*

(*Arenaria marina* (L.) All.) = *Spergularia salina*

(*Arenaria media* L.) = *Spergularia media*

[*Arenaria pineticola* Klokov] = *Eremogone pineticola*

(*Arenaria procera* Spreng.) = *Eremogone saxatilis*

[*Arenaria rigida* M.Bieb.] = *Eremogone rigida*

(*Arenaria rubra* L.) = *Spergularia rubra*

[*Arenaria saxatilis* L.] = *Eremogone saxatilis*

***Arenaria serpyllifolia* L.**

(*Arenaria stenophylla* L. subsp. *sarmatica* Zapł.) = *Arenaria uralensis*

(*Arenaria stenophylla* Ledeb.) = *Eremogone saxatilis*

(*Arenaria syreitschikovii* P.Smirm.) = *Eremogone saxatilis*

(*Arenaria ucranica* Spreng. ex Klokov) = *Eremogone micradenia*

(*Arenaria ucranica* Spreng. ex Steud., nom. nud.) = *Eremogone micradenia*

***Arenaria uralensis* Pall. ex Spreng. ~ *Arenaria leptoclados***

***Arenaria zozii* Kleopow ~ *Arenaria leptoclados***

Conservation status: ERL (R).

(*Bufonia parviflora* Griseb.) = *Bufonia tenuifolia*

***Bufonia tenuifolia* L.**

**Cerastium alpinum** L.

{*Cerastium alpinum* L. subsp. *lanatum* auct. non (Lam.) Asch. & Graebn.} = *Cerastium eriophorum*

(*Cerastium anomalum* Waldst. & Kit.) = *Dichodon viscidum*

(*Cerastium aquaticum* L.) = *Myosoton aquaticum*

**Cerastium arvense** L.

**Cerastium atriusculum** Klokov ~ *Cerastium pumilum* aggr.

**Cerastium balearicum** F.Herm. ~ *Cerastium semidecandrum* aggr.

**Cerastium biebersteinii** DC.

Conservation status: RDBU (2); ERL (I).

{*Cerastium brachypetalum* Pers. subsp. *tauricum* (Spreng.) Murb.} = *Cerastium tauricu.n*

(*Cerastium caespitosum* Gilib., nom. inval.) = *Cerastium holosteoides*

{*Cerastium cerastoides* (L.) Rchb.} = *Dichodon cerastoides*

**Cerastium crassiusculum** Klokov ~ *Cerastium pumilum* aggr.

Conservation status: ERL (R).

(*Cerastium dentatum* Möschl) = *Cerastium balearicum*

(*Cerastium dubium* (Bast.) Guépin) = *Dichodon viscidum*

**Cerastium eriophorum** Kit.

**Cerastium fontanum** Baumg.

{*Cerastium fontanum* Baumg. subsp. *lucorum* (Schur) Soó} = *Cerastium lucorum*

**Cerastium glomeratum** Thuill.

{*Cerastium gracile* auct. non Dufour} = *Cerastium pseudobulgaricum* & *Cerastium schmalhauseni*

**Cerastium heterotrichum** Klokov ~ *Cerastium semidecandrum* aggr.

**Cerastium holosteoides** Fr. ~ *Cerastium fontanum* aggr.

**Cerastium kioviense** Klokov ~ *Cerastium pumilum* aggr.

{*Cerastium lanatum* auct. non Lam.} = *Cerastium eriophorum*

**Cerastium lucorum** (Schur) Möschl ~ *Cerastium fontanum* aggr.

(*Cerastium macrocarpum* Schur) = *Cerastium fontanum*

{*Cerastium macrocarpum* auct. non Schur} = *Cerastium lucorum*

**Cerastium nemorale** M.Bieb.

**Cerastium odessanum** Klokov ~ *Cerastium pumilum* aggr.

**Cerastium perfoliatum** L.

**Cerastium pseudobulgaricum** Klokov

{*Cerastium pumilum* auct. non Curtis} = *Cerastium atriusculum*, *Cerastium kioviense*,  
*Cerastium syvaschicum* & *Cerastium ucrainicum*

(*Cerastium rotundatum* Schur) = *Cerastium semidecandrum*

**Cerastium schmalhauseni** Pacz.

Conservation status: ERL (V).

**Cerastium semidecandrum** L.

?**Cerastium stevenii** Schischk.

Note: A problematic species collected once near Karadag, most probably conspecific with *C. holosteoides*.

**Cerastium sylvaticum** Waldst. & Kit.

**Cerastium syvaschicum** Kleopow ~ *Cerastium pumilum* aggr.

**Cerastium tauricum** Spreng.

**\*Cerastium tomentosum** L.

**Cerastium ucrainicum** Pacz. ex Klokov ~ **Cerastium pumilum** aggr.

(**Cerastium villosum** Steven 1856, non Baumg. 1816) = **Cerastium stevenii**

**Coccyganthe flos-cuculi** (L.) Fourr.

**Coronaria coriacea** (Moench) Schischk. & Gorschk.

[**Coronaria flos-cuculi** (L.) A.Braun] = **Coccyganthe flos-cuculi**

**Cucubalus baccifer** L.

**Dianthus andrzejowskianus** (Zapał.) Kulcz.

Note: See recent revisions of **Dianthus** in Ukraine (M. Fedoronchuk, 1998, Ukr. Bot.

Zhurn. 55(1): 21-25; 55(2): 162-169; 55(4): 422-427; 55(5): 519-523).

{**Dianthus arenarius** auct. non L.} = **Dianthus pseudosquarrosus** & **Dianthus pseudoserotinus**

**Dianthus armeria** L.

**\*!Dianthus barbatus** L.

**Dianthus bessarabicus** Klokov

Conservation status: RDBU (2); ERL (R).

Note: The name **D. polymorphus** M.Bieb. subsp. **bessarabicus** Kleopow belongs to the same species, but was based on a different type.

**Dianthus borbasii** Vandas

(**Dianthus bucoviensis** (Zapał.) Klokov) = **Dianthus carpaticus**

(**Dianthus caesius** Smith) = **Dianthus gratianopolitanus**

**Dianthus campestris** M.Bieb.

(**Dianthus campestris** M.Bieb. subsp. **laevigatus** (Gruner) Klokov) = **Dianthus laevigatus**

(**Dianthus campestris** M.Bieb. subsp. **steppaceus** Smj. & Lavrenko) = **Dianthus pseudoversicolor**

**Dianthus capitatus** Balb. ex DC.

**Dianthus capitellatus** Klokov

**Dianthus carbonatus** Klokov

**Dianthus carpaticus** Wol.

**Dianthus carthusianorum** L.

(**Dianthus carthusianorum** L. subsp. **pontederiae** (A.Kern.) Hegi) = **Dianthus pontederiae**

**\*Dianthus caryophyllus** L.

**\*Dianthus chinensis** L.

(**Dianthus chinensis** L. subsp. **pseudobarbatus** Schmalh.) = **Dianthus euponticus**

**Dianthus collinus** Waldst. & Kit.

(**Dianthus commutatus** (Zapał.) Klokov) = **Dianthus carthusianorum**

**Dianthus compactus** Kit.

**Dianthus deltoides** L.

**Dianthus elongatus** C.A.Mey.

**Dianthus eugeniae** Kleopow

**Dianthus euponticus** Zapał.

{*Dianthus fischeri* auct. non Spreng.} = *Dianthus pineticola*  
 (*Dianthus giganteiformis* Borbás subsp. *pontederæ* (A.Kern.) Soó) = *Dianthus pontederæ*  
***Dianthus glabriusculus* (Kit.) Borbás**  
***Dianthus grationopolitanus* Vill.**  
 Conservation status: RDBU (2); ERL (I).  
***Dianthus guttatus* M.Bieb.**  
***Dianthus humilis* Willd. ex Ledeb.**  
***Dianthus hypanicus* Andr.**  
 Conservation status: RDBU (3); ERL (I).  
***Dianthus laevigatus* Klokov ~ *Dianthus campestris* aggr.**  
***Dianthus lanceolatus* Steven ex Rchb.**  
 Conservation status: IUCN RL (R); ERL (I).  
 {*Dianthus leptopetalus* auct. non Willd.} = *Dianthus elongatus* & *Dianthus lanceolatus*  
 (*Dianthus leptopetalus* Willd. subsp. *podolicus* Kleopow) = *Dianthus lanceolatus*  
 (*Dianthus maeoticus* Klokov) = *Dianthus pallidiflorus*  
 (*Dianthus mariae* (Kleopow) Klokov) = *Dianthus guttatus*  
***Dianthus marschallii* Schischk.**  
***Dianthus membranaceus* Borbás**  
***Dianthus pallidiflorus* Ser.**  
 Conservation status: ERL (I).  
***Dianthus pineticola* Kleopow**  
***Dianthus platyodon* Klokov**  
***Dianthus polonicus* Zapal.**  
 (*Dianthus polymorphus* M.Bieb. subsp. *bessarabicus* Kleopow) = *Dianthus bessarabicus*  
***Dianthus pontederæ* A.Kern.**  
 Note: Reported from Crimea by N. Tsvelev (1983, Bot. Zhurn. 68(2): 240-241).  
 (*Dianthus pseudarmeria* M.Bieb., ortho) = *Dianthus pseudoarmeria*  
***Dianthus pseudoarmeria* M.Bieb.**  
 (*Dianthus pseudobarbatus* Besser, nom. nudum.) = *Dianthus euponticus*  
 (*Dianthus pseudobarbatus* Besser ex Ledeb., nom. illeg.) = *Dianthus euponticus*  
 Note: C. Ledebour mentioned *D. pseudobarbatus* in synonymy of *D. liburnicus* A.Kern.  
***Dianthus pseudoserotinus* Blocki ~ *Dianthus arenarius* aggr.**  
***Dianthus pseudosquarrosus* (Novak) Klokov ~ *Dianthus arenarius* aggr.**  
***Dianthus pseudoversicolor* Klokov ~ *Dianthus campestris* aggr.**  
***Dianthus rigidus* M.Bieb.**  
 (*Dianthus rogoviczii* Kleopow) = *Dianthus polonicus*  
***Dianthus serotinus* Waldst. & Kit.**  
 Conservation status: IUCN RL (V).  
 (*Dianthus sinensis* L., ortho) = *Dianthus chinensis*  
***Dianthus speciosus* Rchb. ~ *Dianthus superbus* aggr.**  
***Dianthus spiculifolius* Schur**  
***Dianthus squarrosus* M.Bieb.**  
***Dianthus stenocalyx* Juz. ~ *Dianthus superbus* aggr.**  
 {*Dianthus superbus* auct. non L.} = *Dianthus stenocalyx*  
 [*Dianthus superbus* L. subsp. *alpestris* Kablik ex Čelak.] = *Dianthus speciosus*

(*Dianthus superbus* L. subsp. *speciosus* (Rchb.) Hayek) = *Dianthus speciosus*  
[*Dianthus superbus* L. subsp. *stenocalyx* (Juz.) Kleopow] = *Dianthus stenocalyx*  
(*Dianthus tesquicola* Klokov) = *Dianthus eugeniae*  
[*Dianthus trifasciculatus* Kit. subsp. *pseudobarbatus* (Schmalh.) J alas] = *Dianthus euponticus*  
(*Dianthus trifasciculatus* Kit. subsp. *euponticus* (Zapał.) Kleopow) = *Dianthus euponticus*

***Dichodon cerastioides* (L.) Rchb.**  
(*Dichodon dubium* (Bast.) Ikenn.) = *Dichodon viscidum*  
***Dichodon viscidum* (M.Bieb.) Holub**

***Elisanthe noctiflora* (L.) Rupr.**  
***Elisanthe viscosa* (L.) Rupr.**  
***Elisanthe zawadskii* (Herbich) Klokov**  
Conservation status: RDBU (3); IUCN RL (R), as *Silene zawadskii*; ERL (R).

***Eremogone biebersteinii* (Schlecht.) Holub**  
***Eremogone cephalotes* (M.Bieb.) Fenzl**  
Conservation status: RDBU (2); IUCN RL (I).  
***Eremogone longifolia* (M.Bieb.) Fenzl**  
***Eremogone micradenia* (P.Smirt.) Ikonn. ~ *Eremogone saxatilis***  
***Eremogone pineticola* (Klokov) Klokov ~ *Eremogone biebersteinii***  
(*Eremogone procera* (Spreng.) Rchb.) = *Eremogone saxatilis*  
{*Eremogone procera* auct. non (Spreng.) Rchb.} = *Eremogone biebersteinii*  
***Eremogone rigida* (M.Bieb.) Fenzl**  
Conservation status: IUCN RL (R), as *Arenaria rigida*.  
***Eremogone saxatilis* (L.) Ikonn.**  
(*Eremogone stenophylla* (Ledeb.) Fisch. & C.A.Mey.) = *Eremogone saxatilis*

**\*!*Gypsophila acutifolia* Fisch. ex Spreng.**  
***Gypsophila altissima* L. s.l.**  
Note: Ukrainian plants described as *G. oligosperma* and *G. thyraica* are probably conspecific with *G. altissima*.  
***Gypsophila collina* Steven ex Ser. ~ *Gypsophila fastigiata***  
***Gypsophila dichotoma* Besser ~ *Gypsophila fastigiata***  
Note: Probably conspecific with *G. fastigiata* s.str.  
{*Gypsophila dichotoma* auct. non Besser} = *Gypsophila collina*  
***Gypsophila elegans* M.Bieb.**  
***Gypsophila fastigiata* L.**  
(*Gypsophila fastigiata* L. subsp. *collina* (Steven ex Ser.) Schmalh.) = *Gypsophila collina*  
***Gypsophila glomerata* Pall. ex Adams**  
Conservation status: RDBU (1).  
(*Gypsophila glomerata* Pall. ex M.Bieb.) = *Gypsophila pallasii*  
(*Gypsophila globulosa* Steven ex Boiss.) = *Gypsophila glomerata*  
[*Gypsophila muralis* L.] = *Psammophiliella muralis*



**Gypsophila oligosperma** A.Krasnova ~ **Gypsophila altissima**

**Gypsophila pallasii** Ikonn.

**Gypsophila paniculata** L.

**Gypsophila paulii** Klovov ~ **Gypsophila perfoliata**

**Gypsophila perfoliata** L.

**Gypsophila scorzonnerifolia** Ser.

[**Gypsophila stepposa** Klovov] = **Psammophiliella stepposa**

**Gypsophila thyracea** A.Krasnova ~ **Gypsophila altissima**

Conservation status: RDBU (1).

(**Gypsophila trichotoma** Wender.) = **Gypsophila perfoliata**

(**Gypsophila ucrainica** Kleopow) = **Gypsophila fastigiata**

(**Heliosperma arcanum** Zapal.) = **Ixoca arcana**

(**Heliosperma carpaticum** (Zapal.) Klovov) = **Ixoca carpatica**

**Herniaria besseri** Fisch. ex Hornem.

**Herniaria euxina** Klovov ~ **Herniaria polygama**

**Herniaria glabra** L.

**Herniaria hirsuta** L.

{**Herniaria incana** auct. non Lam.} = **Herniaria besseri**

**Herniaria kotovii** Klovov ~ **Herniaria glabra**

(**Herniaria odorata** Andr. ex Schmalh.) = **Herniaria polygama**

**Herniaria polygama** J.Gay

**Herniaria suavis** Klovov ~ **Herniaria glabra**

**Holosteum glutinosum** (M.Bieb.) Fisch. & C.A.Mey.

**Holosteum marginatum** Fisch. & C.A.Mey.

Note: A Caucasian species reported for Crimea, Chatyrdag (see V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

**Holosteum subglutinosum** Klovov

(**Holosteum syvaschicum** Kleopow) = **Holosteum umbellatum**

**Holosteum umbellatum** L.

**Ixoca arcana** (Zapal.) Ikonn.

**Ixoca carpatica** (Zapal.) Ikonn.

[**Kohlrauschia saxifraga** (L.) Dandy] = **Petrorhagia saxifraga**

**Kohlrauschia prolifera** (L.) Kunth

**Lychnis chalconica** L.

[**Lychnis coronaria** (L.) Desr.] = **Coronaria coriacea**

[**Lychnis flos-cuculi** L.] = **Coccyganthe flos-cuculi**

(**Lychnis viscaria** L.) = **Steris viscaria**

(**Malachium aquaticum** (L.) Fr.) = **Myosoton aquaticum**

**Melandrium album** (Mill.) Garcke

(*Melandrium boissieri* Schischk.) = *Melandrium latifolium*

**Melandrium dioicum** (L.) Coss. & Germ.

(*Melandrium divaricatum* (Rchb.) Fenzl) = *Melandrium latifolium*

**Melandrium latifolium** (Poir.) Maire

?**Melandrium nemorale** (Heuff. ex Rchb.) A. Braun

Note: May be expected in W Ukraine.

(*Melandrium noctiflorum* (L.) Fr.) = *Elisanthe noctiflora*

(*Melandrium rubrum* Garcke, nom. illeg.) = *Melandrium dioicum*

(*Melandrium sylvestre* (Schkuhr) Röhl.) = *Melandrium dioicum*

(*Melandrium viscosum* (L.) Čelak.) = *Elisanthe viscosa*

(*Melandrium zawadskii* (Herbich) A. Braun) = *Elisanthe zawadskii*

**Minuartia aucta** Klokov ~ *Minuartia setacea* aggr.

**Minuartia adenotricha** Schischk.

**Minuartia aucta** Klokov ~ *Minuartia setacea* aggr.

**Minuartia bilykiana** Klokov

Conservation status: IUCN RL (I); ERL (V).

**Minuartia birjuczensis** Klokov ~ *Minuartia hybrida* aggr.

**Minuartia eglandulosa** (Fenzl) Klokov

**Minuartia euxina** Klokov ~ *Minuartia setacea* aggr.

**Minuartia glomerata** (M.Bieb.) Degen

[*Minuartia hamata* (Hausskn.) Mattf.] = *Queria hispanica*

Note: In *Minuartia*, the epithet "hispanica" cannot be used for this species because of the earlier homonym *M. hispanica* L. ex Graebn.

**Minuartia hirsuta** (M.Bieb.) Hand.-Mazz.

{*Minuartia hybrida* auct. non (Vill.) Schischk.} = *Minuartia birjuczensis*, *Minuartia hypanica* & *Minuartia pseudohybrida*

**Minuartia hypanica** Klokov ~ *Minuartia hybrida* aggr.

**Minuartia leiosperma** Klokov ~ *Minuartia setacea* aggr.

{*Minuartia montana* auct. non L.} = *Minuartia wiesneri*

[*Minuartia montana* L. subsp. *wiesneri* (Stapf) McNeill] = *Minuartia wiesneri*

**Minuartia oxypetala** (Wol.) Kulcz. ~ *Minuartia verna* aggr.

**Minuartia piskunovii** Klokov ~ *Minuartia viscosa* aggr.

**Minuartia pseudohybrida** Klokov ~ *Minuartia hybrida* aggr.

{*Minuartia setacea* auct. non (Thuill.) Hayek} = *Minuartia aucta*, *Minuartia euxina*,

*Minuartia leiosperma* & *Minuartia thyraica*

**Minuartia taurica** (Steven) Graebn.

Conservation status: IUCN RL (R).

**Minuartia thyraica** Klokov ~ *Minuartia setacea* aggr.

{*Minuartia verna* auct. non (L.) Hiern} = *Minuartia oxypetala* & *Minuartia zarecznyi*

**Minuartia viscosa** (Schreb.) Schinz & Thell.

{*Minuartia viscosa* auct. non (Schreb.) Schinz & Thell.} = *Minuartia piskunovii*

**Minuartia wiesneri** (Stapf) Schischk.

**Minuartia zarecznyi** (Zapał.) Klokov ~ *Minuartia verna* aggr.

(*Moehringia bracteata* Slendz.) = *Moehringia trinervia*

***Moehringia hypanica*** Gryn'j & Klov

Conservation status: RDBU (I); IUCN RL (I).

***Moehringia lateriflora*** (L.) Fenzl

***Moehringia muscosa*** L.

***Moehringia trinervia*** (L.) Clairv.

***Myosoton aquaticum*** (L.) Moench

(*Myosoton aquaticum* (L.) Moench subsp. *sarmaticum* Zapal.) = *Myosoton aquaticum*

(*Myosoton sarmaticum* (Zapal.) Săvul. & Rayss.) = *Myosoton aquaticum*

***Oberna behen*** (L.) Ikonn.

Note: See recent revision of *Oberna* in Ukraine (M. Fedoronchuk, 1997, Ukr. Bot.

Zhurn. 54(1): 70-76).

***Oberna commutata*** (Guss.) Ikonn.

***Oberna crispata*** (Steven) Ikonn.

***Oberna cserei*** (Baumg.) Ikonn.

***Oberna procumbens*** (Murray) Ikonn.

***Otites artemisetorum*** Klov ~ *Otites exaltatus* aggr.

Conservation status: ERL (R).

***Otites borysthenicus*** (Grun.) Klov

***Otites chersonensis*** (Zapal.) Klov ~ *Otites exaltatus* aggr.

***Otites densiflorus*** (D'Urv.) Grossh.

***Otites dolichocarpus*** Klov ~ *Otites densiflorus*

Conservation status: ERL (R).

***Otites donetzicus*** (Klov) Klov

***Otites eugeniae*** (Kleopow) Klov

{*Otites exaltatus* auct. non (Friv.) Holub} = *Otites artemisetorum* & *Otites chersonensis*

(*Otites graniticulus* Klov) = *Otites hellmannii*

***Otites hellmannii*** (Claus) Klov

Conservation status: ERL (V).

***Otites krymensis*** (Kleopow) Klov

***Otites maeoticus*** Klov

***Otites medius*** (Litv.) Klov

***Otites moldavicus*** Klov ~ *Otites exaltatus* aggr.

***Otites orae-syvaschicae*** Klov ~ *Otites wolgensis*

{*Otites pseudotites* auct. non (Besser ex Rchb.) Klov} = *Otites eugeniae*

(*Otites parviflora* (Ehrh.) Grossh.) = *Otites borysthenea*

***Otites wolgensis*** (Hornem.) Grossh.

Note: According to G. Laz'kov (1998, Bot. Zhurn. 83(5): 89-95), the priority name for this species in *Silene sensu lato* is *S. sibirica* (L.) Pers.

***Paronychia cephalotes*** (M.Bieb.) Besser

(*Paronychia cephalotes* (M.Bieb.) Besser subsp. *pontica* Borhidi) = *Paronychia cephalotes*

(*Paronychia pontica* (Borhidi) Chaudhri) = *Paronychia cephalotes* s.l.

(*Paronychia taurica* Borhidi & Sikura) = *Paronychia cephalotes* s.l.

\*!*Petrorhagia saxifraga* (L.) Link

[*Petrorhagia prolifera* (L.) P.W.Ball & Heywood] = *Kohlrauschia prolifera*

{*Pleconax conica* auct. non (L.) Šourková} = *Pleconax subconica*

*Pleconax subconica* (Friv.) Šourková

*Psammophiliella muralis* (L.) Ikonn.

*Psammophiliella stepposa* (Klokov) Ikonn. ~ *Psammophiliella muralis* s.l.

*Queria hispanica* L.

*Sagina apetala* Ard.

(*Sagina ciliata* Fr.) = *Sagina apetala*

*Sagina nodosa* (L.) Fenzl

*Sagina procumbens* L.

*Sagina saginoides* (L.) H.Karst.

*Sagina subulata* (Sw.) C.Presl

*Saponaria glutinosa* M.Bieb.

*Saponaria officinalis* L.

*Scleranthus annuus* L.

*Scleranthus perennis* L.

{*Scleranthus polycarpus* auct. non L.} = *Scleranthus syvaschicus* & *Scleranthus tauricus*

*Scleranthus syvaschicus* Kleopow

*Scleranthus tauricus* Knaf

*Scleranthus uncinatus* Schur

{*Scleranthus verticillatus* auct. non Tausch} = *Scleranthus syvaschicus*

(*Silene alba* (Mill.) E.Krause, nom. illeg.) = *Melandrium album*

{*Silene alpestris* auct. non Jacq.} = *Ixoca arcana*

(*Silene anglica* L.) = *Silene gallica*

*Silene armeria* L.

Note: See recent revision of *Silene* s.str. in Ukraine (M. Fedoronchuk, 1997, Ukr. Bot. Zhurn. 54(6): 557-564).

[*Silene artemisetorum* (Klokov) Czerep.] = *Otites artemisetorum*

(*Silene berdaui* Zapal.) = *Silene armeria*

[*Silene borysthénica* (Grun.) Walters] = *Otites borysthénicus*

*Silene bupleuroides* L.

(*Silene carpatica* (Zapal.) Czopik) = *Oberna behen*

[*Silene chersonensis* (Zapal.) Kleopow] = *Otites chersonensis*

(*Silene chersonensis* (Zapal.) Kleopow subsp. *littoralis* Kleopow) = *Otites artemisetorum*

**Silene chlorantha** (Willd.) Ehrh.

[*Silene commutata* Guss.] = *Oberna commutata*

{*Silene compacta* auct. non Fisch. ex Hornem.} = *Silene hypanica*

{*Silene conica* auct. non L.} = *Pleconax subconica*

[*Silene conica* L. subsp. *subconica* (Friv.) Gavioli] = *Pleconax subconica*

(*Silene coringiiifolia* Andrz.) = *Oberna cserei*

**Silene cretacea** Fisch. ex Spreng.

Conservation status: RDBU (1); IUCN RL (I); ERL (V).

[*Silene crispata* Steven] = *Oberna crispata*

[*Silene cserei* Baumg.] = *Oberna cserei*

{*Silene cserei* auct. non Baumg.} = *Oberna crispata*

[*Silene densiflora* D'Urv.] = *Otites densiflorus*

**Silene dichotoma** Ehrh.

[*Silene dioica* (L.) Clairv.] = *Melandrium dioicum*

[*Silene dolichocarpa* (Klokov) Czerep.] = *Otites dolichocarpus*

[*Silene donetzica* Kleopow] = *Otites donetzicus*

**Silene dubia** Herbich

Conservation status: ERL (I).

[*Silene eugeniae* Kleopow] = *Otites eugeniae*

{*Silene exaltata* auct. non Friv.} = *Otites artemisectorum* & *Otites chersonensis*

{*Silene fabaria* auct. non Sibth. & Smith} = *Oberna crispata* & *Oberna cserei*

[*Silene flos-cuculi* (L.) Clairv.] = *Coccyganthe flos-cuculi*

**Silene gallica** L.

[*Silene hellmannii* Claus] = *Otites hellmannii*

[*Silene heuffelii* Soó] = *Melandrium nemorale*

**Silene hypanica** Klokov

Conservation status: RDBU (2); ERL (R).

**Silene italica** (L.) Pers.

**Silene jailensis** N.I. Rubtzov

Conservation status: RDBU (1); IUCN RL (R); ERL (V).

**Silene jundzillii** Zapal. ~ *Silene nemoralis*

[*Silene krymensis* Kleopow] = *Otites krymensis*

[*Silene latifolia* Poir.] = *Melandrium latifolium*

(*Silene latifolia* Poir. subsp. *alba* (Mill.) Greuter & Burdet) = *Melandrium album*

(*Silene latifolia* (Mill.) Britt. & Rendle, nom. illeg.) = *Oberna behen*

**Silene lithuanica** Zapal. ~ *Silene armeria*

Conservation status: ERL (I).

[*Silene maeotica* (Klokov) Czerep.] = *Otites maeoticus*

(*Silene mariae* Klokov) = *Silene bupleuroides*

[*Silene media* (Litv.) Kleopow] = *Otites medius*

(*Silene montifuga* Klokov) = *Silene bupleuroides*

**Silene multiflora** (Waldst. & Kit.) Pers.

[*Silene moldavica* (Klokov) Šourková] = *Otites moldavicus*

**Silene nemoralis** Waldst. & Kit.

[*Silene noctiflora* L.] = *Elisanthe noctiflora*

**Silene nutans L.**

(*Silene nutans* L. subsp. *dubia* (Herbich) Zapal.) = *Silene dubia*

{*Silene otites* auct. non L.} = *Otites* sp. sp.

Note: The name was misapplied to several Ukrainian species of *Otites*.

(*Silene odessana* Klokov) = *Silene bupleuroides*

[*Silene orae-syvaschicae* (Klokov) Czerep.] = *Otites orae-syvaschicae*

**\*!Silene pendula L.**

[*Silene procumbens* Murray] = *Oberna procumbens*

{*Silene pseudootites* auct. non Besser ex Rchb.} = *Otites eugeniae*

{*Silene pusilla* auct. non Waldst. & Kit.} = *Ixoca carpatica*

(*Silene saponarifolia* Schott & Ledeb.) = *Oberna cserei*

**Silene sibirica (L.) Pers.**

Note: According to Laz'kov (1998, Bot. Zhurn. 83(5): 89-95), the correct name for the species commonly known as «*S.sibirica*» is *S. holopetala* Ledeb. (see note under *Otites wolgensis*).

(*Silene steppicola* Kleopow) = *Silene multiflora*

(*Silene steppicola* Kleopow subsp. *glabra* Kleopow) = *Silene multiflora*

(*Silene steppicola* Kleopow subsp. *pubescens* Kleopow) = *Silene multiflora*

[*Silene subconica* Friv.] = *Pleconax subconica*

**Silene supina M.Bieb.**

**Silene syreitschikovii P.Smirn.**

Conservation status: RDBU (2).

**Silene sytnikii** Krytzka, Novosad & Protopopova ~ *Silene chlorantha*

**Silene syvaschica** Kleopow ~ *Silene multiflora* s.l.

**Silene tatarica (L.) Pers.**

(*Silene ucrainica* Klokov) = *Silene bupleuroides*

**Silene viridiflora L.**

Conservation status: RDBU (3).

[*Silene viscaria* (L.) Borkh.] = *Steris viscaria*

(*Silene viscosa* (L.) Pers.) = *Elisanthe viscosa*

[*Silene vulgaris* (Moench) Garcke] = *Oberna behen*

[*Silene wolgensis* (Hornem.) Besser ex Spreng.] = *Otites wolgensis*

[*Silene zawadskii* Herbich] = *Elisanthe zawadskii*

**Spergula arvensis L.**

(*Spergula arvensis* L. subsp. *linicola* (Boreau) Janch.) = *Spergula linicola*

(*Spergula arvensis* L. subsp. *maxima* (Weihe) O.Schwarz) = *Spergula maxima*

**Spergula linicola** Boreau ~ *Spergula arvensis* aggr.

(*Spergula marina* (L.) Bartl. & Wendl.) = *Spergularia salina*

**Spergula maxima** Weihe ~ *Spergula arvensis* aggr.

**Spergula morisonii Boreau**

(*Spergula nodosa* L.) = *Sagina nodosa*

**Spergula pentandra L.**

(*Spergula pentandra* (Wallr.) Rchb., non L.) = *Spergula morisonii*

(*Spergula rubra* (L.) D.Dietr.) = *Spergularia rubra*

(*Spergula saginoides* L.) = *Sagina saginoides*  
(*Spergula sativa* Boenn.) = *Spergula arvensis*  
(*Spergula subulata* Sw.) = *Sagina subulata*  
(*Spergula vernalis* Willd., nom. illeg.) = *Spergula pentandra*  
{*Spergula vernalis* auct. non Willd.} = *Spergula morisonii*  
(*Spergula vulgaris* Boenn.) = *Spergula arvensis*

(*Spergularia campestris* (L.) Asch.) = *Spergularia rubra*  
(*Spergularia marina* All.) = *Spergularia salina*  
(*Spergularia maritima* (All.) Chiov.) = *Spergularia media*  
***Spergularia media* (L.) C.Presl**  
***Spergularia rubra* (L.) J.Presl & C.Presl**  
***Spergularia salina* J.Presl & C.Presl**

***Stellaria alsine* Grimm.**

[*Stellaria aquatica* (L.) Scop.] = *Myosoton aquaticum*

***Stellaria barthiana* Schur ~ *Stellaria palustris***

***Stellaria crassifolia* Ehrh.**

(*Stellaria diffusa* Willd. ex Schlecht.) = *Stellaria longifolia*

***Stellaria fragilis* Klokov ~ *Stellaria graminea* aggr.**

***Stellaria graminea* L.**

***Stellaria hebecalyx* Fenzl ~ *Stellaria graminea* aggr.**

***Stellaria hippoctona* (Czern.) Klokov ~ *Stellaria graminea* aggr.**

***Stellaria holostea* L.**

***Stellaria longifolia* Muehl. ex Willd.**

***Stellaria media* (L.) Vill.**

(*Stellaria media* (L.) Vill. subsp. *neglecta* (Weihe) Murb.) = *Stellaria neglecta*

(*Stellaria media* (L.) Vill. subsp. *pallida* (Dumort.) Asch. & Graebn.) = *Stellaria pallida*

(*Stellaria mosquensis* M.Bieb. ex Schlecht.) = *Stellaria longifolia*

***Stellaria neglecta* Weihe ~ *Stellaria media* aggr.**

***Stellaria nemorum* L.**

***Stellaria pallida* (Dumort.) Crép. ~ *Stellaria media* aggr.**

(*Stellaria pallida* (Dumort.) Piré, comb. inval.) = *Stellaria pallida*

***Stellaria palustris* Retz.**

(*Stellaria uliginosa* Murray) = *Stellaria alsine*

(*Stellaria viscida* M.Bieb.) = *Dichodon viscidum*

(*Stellaria xanthanthera* Pobed.) = *Stellaria media*

***Steris viscaria* (L.) Raf.**

(*Tunica saxifraga* (L.) Scop.) = *Petrorhagia saxifraga*

(*Vaccaria grandiflora* (Fisch. ex Ser.) Jaub. & Spach) = *Vaccaria hispanica* subsp. *grandiflora*

***Vaccaria hispanica* (Mill.) Rauschert**

**Vaccaria hispanica** (Mill.) Rauschert subsp. **grandiflora** (Fisch. ex Ser.) Holub

Note: In Ukraine this species is represented mostly (or exclusively ?) by subsp. **grandiflora**.

(**Vaccaria pyramidata** Medik.) = **Vaccaria hispanica**

(**Vaccaria segetalis** Garcke, nom. illeg.) = **Vaccaria hispanica**

(**Velezia glutinosa** M.Bieb.) = **Velezia rigida**

**Velezia rigida** L.

(**Viscaria viscosa** (L.) Achers.) = **Steris viscaria**

(**Viscaria vulgaris** Bernh.) = **Steris viscaria**

## **FAMILY Celastraceae**

\***Celastrus scandens** L.

Note: In addition to the North American *C. scandens*, three East Asian species are occasionally cultivated in botanical gardens.

\***Euonymus alata** (Thunb.) Siebold

**Euonymus czernjaëvii** Klokov ~ **Euonymus europaea**

**Euonymus europaea** L.

(**Euonymus floribunda** Steven) = **Euonymus europaea**

\***Euonymus fortunei** (Turcz.) Hand.-Mazz.

\*!**Euonymus japonica** Thunb.

**Euonymus latifolia** (L.) Mill.

(**Euonymus medirossica** Klokov) = **Euonymus europaea**

(**Euonymus moldavica** Klokov) = **Euonymus czernjaëvii**

**Euonymus nana** M.Bieb.

Conservation status: RDBU (1).

(**Euonymus odessana** Klokov) = **Euonymus czernjaëvii**

(**Euonymus pubescens** Steven, nom. provis.) = **Euonymus czernjaëvii**

\*!**Euonymus sacrosancta** Koidz.

**Euonymus suberosa** Klokov ~ **Euonymus europaea**

(**Euonymus taurica** Kotov) = **Euonymus nana**

**Euonymus verrucosa** Scop.

## **FAMILY Ceratophyllaceae**

**Ceratophyllum demersum** L.

[**Ceratophyllum demersum** L. subsp. **pentacanthum** (Haynald) Soó] = **Ceratophyllum pentacanthum**

{**Ceratophyllum demersum** L. subsp. **platyacanthum** auct. non (Cham.) Nyman} = **Ceratophyllum pentacanthum**



{*Ceratophyllum echinatum* auct. non A.Gray} = *Ceratophyllum tanaiticum*

Note: *Ceratophyllum echinatum* A.Gray s.str. is believed to be a North American endemic species, and its identity with *C. tanaiticum* is highly improbable.

{*Ceratophyllum muricatum* auct. non Cham.} = *Ceratophyllum tanaiticum*

***Ceratophyllum pentacanthum*** Haynald ~ *Ceratophyllum demersum* s.l.

Note: Probably conspecific with *C. platyacanthum* Cham.?

{*Ceratophyllum platyacanthum* auct. non Cham.} = *Ceratophyllum pentacanthum*

***Ceratophyllum submersum*** L.

{*Ceratophyllum submersum* L. subsp. *muricatum* auct. non (Cham.) Wilmot-Dear} = *Ceratophyllum tanaiticum*

Note: See note under *C. echinatum* and discussion by M. Wilmot-Dear (1985, Kew Bull. 40: 266-269).

***Ceratophyllum tanaiticum*** Sapj. ~ *Ceratophyllum submersum* s.l.

Conservation status: ERL (R).

## **FAMILY Chenopodiaceae**

Note: Including Salsolaceae and Salicorniaceae.

(*Agathophytum bonus-henricus* (L.) Moq.) = *Chenopodium bonus-henricus*

(*Ambrina ambrosioides* (L.) Spach) = *Chenopodium ambrosioides*

(*Atriplex acuminata* Waldst. & Kit.) = *Atriplex sagittata*

(*Atriplex albicans* Besser) = *Atriplex rosea*

(*Atriplex amblyostegia* Turcz.) = *Atriplex aucheri*

(*Atriplex angustifolia* Smith) = *Atriplex patula*

***Atriplex aucheri*** Moq.

(*Atriplex besseriana* Schult.) = *Atriplex rosea*

{*Atriplex calotheca* auct. non (Rafn) Fr.} = *Atriplex prostrata* s.l.

Note: Recent literature records of this species from Ukraine were based on misunderstanding of nomenclature and synonymy of *A. hastata*.

***Atriplex cana*** C.A.Mey.

(*Atriplex erecta* Huds.) = *Atriplex patula*

{*Atriplex hastata* auct. non L., nom utique rej. prop.} = *Atriplex prostrata* & *Atriplex latifolia*

(*Atriplex heterosperma* Bunge) = *Atriplex micrantha*

***Atriplex hortensis*** L.

(*Atriplex laciniata* L.) = *Atriplex tatarica*

***Atriplex laevis*** C.A.Mey.

***Atriplex latifolia*** Wahlenb. ~ *Atriplex prostrata*

***Atriplex littoralis*** L.

***Atriplex micrantha*** C.A.Mey.

(*Atriplex nitens* Schkuhr) = *Atriplex sagittata*

***Atriplex oblongifolia*** Waldst. & Kit.

**Atriplex patens** (Litv.) Iljin

**Atriplex patula** L.

[*Atriplex pedunculata* L.] = *Halimione pedunculata*

(*Atriplex polonica* Zapal.) = *Atriplex latifolia*

**Atriplex prostrata** Boucher ex DC.

[*Atriplex prostrata* Boucher ex DC. subsp. *latifolia* (Wahlenb.) Rauschert] = *Atriplex latifolia*

(*Atriplex prostrata* Boucher ex DC. subsp. *polonica* (Zapal.) Uootila) = *Atriplex latifolia*

**Atriplex rosea** L.

(*Atriplex ruderalis* Wallr.) = *Atriplex latifolia*

**Atriplex sagittata** Borkh.

**Atriplex sphaeromorpha** Iljin

**Atriplex tatarica** L.

[*Atriplex verrucifera* M.Bieb.] = *Halimione verrucifera*

**Bassia hirsuta** (L.) Asch.

**Bassia hyssopifolia** (Pall.) O.Kuntze

[*Bassia laniflora* (S.G.Gmel.) A.J.Scott] = *Kochia laniflora*

[*Bassia prostrata* (L.) A.J.Scott] = *Kochia prostrata*

**Bassia sedoides** (Pall.) Asch.

[*Bassia scoparia* (L.) Voss] = *Kochia scoparia*

[*Bassia scoparia* (L.) Voss subsp. *densiflora* (Turcz. ex Moq.) Ciruja & Velayos] = *Kochia scoparia* subsp. *densiflora*

**Beta hybrida** Andr. ~ *Beta trigyna*

**Beta maritima** L.

**Beta trigyna** Waldst. & Kit.

\***Beta vulgaris** L.

[*Beta vulgaris* L. subsp. *maritima* (L.) Arcang.] = *Beta maritima*

(*Blitum bonus-henricus* (L.) C.A.Mey.) = *Chenopodium bonus-henricus*

(*Blitum capitatum* L.) = *Chenopodium capitatum*

(*Blitum chenopodioides* L.) = *Chenopodium chenopodioides*

(*Blitum polymorphum* C.A.Mey.) = *Chenopodium chenopodioides*

{*Blitum polymorphum* C.A.Mey., p.p.} = *Chenopodium rubrum*

(*Blitum virgatum* L.) = *Chenopodium foliosum*

**Camphorosma annua** Pall.

**Camphorosma monspeliaca** L.

(*Camphorosma ovata* Waldst. & Kit.) = *Camphorosma annua*

**Camphorosma songorica** Bunge

**Caroxylon laricinum** (Pall.) Tzvelev

**Ceratocarpus arenarius** L.

(*Ceratoides latens* (J.F.Gmel.) Reveal & N.Holmgren) = *Krascheninnikovia ceratoides*

(*Ceratoides papposa* Botsch. & Ikonn.) = *Krascheninnikovia ceratoides*

***Chenopodium acerifolium* Andr.**

(*Chenopodium acutifolium* Smith) = *Chenopodium polyspermum*

***Chenopodium album* L.**

(*Chenopodium album* L. subsp. *iranicum* Aellen) = *Chenopodium zerovii*

(*Chenopodium album* L. subsp. *novopokrovskyanum* Aellen) = *Chenopodium*

*novopokrovskyanum*

(*Chenopodium album* L. subsp. *reticulatum* (Aellen) Beaugé ex Greuter & Burdet) =

*Chenopodium reticulatum*

(*Chenopodium album* L. subsp. *striatum* (Krašan) J.Murr) = *Chenopodium strictum*

***Chenopodium ambrosioides* L.**

***Chenopodium aristatum* L.**

(*Chenopodium betaceum* Andr.) = *Chenopodium strictum*

***Chenopodium berlandieri* Moq. subsp. *zschackei* (J.Murr) Zobel**

Note: A rare alien species (grain immigrant); not naturalized.

***Chenopodium bonus-henricus* L.**

(*Chenopodium botryodes* Smith) = *Chenopodium chenopodioides*

***Chenopodium botrys* L.**

***Chenopodium capitatum* (L.) Ambrosi**

{*Chenopodium carinatum* auct. non R.Br.} = *Chenopodium pumilio*

***Chenopodium chenopodioides* (L.) Aellen**

(*Chenopodium crassifolium* Hornem.) = *Chenopodium chenopodioides*

(*Chenopodium deltoideum* Lam.) = *Chenopodium urbicum*

{*Chenopodium dessicatum* auct. non A.Nelson} = *Chenopodium pratericola*

(*Chenopodium divaricatum* Andr.) = *Chenopodium ficifolium*

***Chenopodium diversifolium* (Aellen) Dvořák ~ *Chenopodium album* aggr.**

***Chenopodium* × *dvorakianum* Mosyakin ~ *Chenopodium album* aggr.**

***Chenopodium ficifolium* Smith**

(*Chenopodium foetidum* Lam.) = *Chenopodium vulvaria*

(*Chenopodium foetidum* Schrad.) = *Chenopodium schraderianum*

***Chenopodium foliosum* Asch.**

***Chenopodium* × *fursajevii* Aellen = *Chenopodium album* × *Chenopodium succicum***

***Chenopodium glaucum* L.**

***Chenopodium glaucophyllum* Aellen ~ *Chenopodium strictum***

Note: A rare grain immigrant known from one collection (Kiev).

***Chenopodium* × *gruellii* Aellen = *Chenopodium ficifolium* × *Chenopodium succicum***

***Chenopodium hircinum* Schrad.**

Note: Occurrence of this species in Transcarpathia (Fodor, 1974) needs confirmation.

***Chenopodium* × *humuliforme* (J.Murr) Dvořák = *Chenopodium album* × *Chenopodium***

*ficifolium* × *Chenopodium strictum*

***Chenopodium hybridum* L.**

(*Chenopodium intermedium* Mert. & W.D.J.Koch) = *Chenopodium urbicum* var. *intermedium*

***Chenopodium* × *jedlickae* Dvořák = *Chenopodium album* × *Chenopodium ficifolium***

(*Chenopodium klinggraeffii* (Abrom.) Aellen) = *Chenopodium acerifolium*

(*Chenopodium laciniatum* J.Murr, non Thunb. nec Roxb.) = *Chenopodium* × *dvorakianum*

(*Chenopodium lanceolatum* Muehl. ex Willd.) = *Chenopodium album* aggr.

(*Chenopodium leiospermum* DC.) = *Chenopodium album*

***Chenopodium missouriense* Aellen**

Note: A rare alien species known from Kiev region.

***Chenopodium* × *morariui* (Prodán) Mosyakin** = *Chenopodium acerifolium* ×

*Chenopodium album*

***Chenopodium murale* L.**

***Chenopodium novopokrovskyanum* (Aellen) Uotila** ~ *Chenopodium strictum* aggr.

Note: See P. Uotila (1993, *Arnales Bot. Fennici* 30(3): 189-194).

(*Chenopodium olidum* Curtis) = *Chenopodium vulvaria*

***Chenopodium opulifolium* Schrad. ex DC.**

***Chenopodium pedunculare* Bertol.** ~ *Chenopodium album* aggr.

?***Chenopodium* × *perhybridum* Ponert** = *Chenopodium hybridum* × *Chenopodium polyspermum*

***Chenopodium polyspermum* L.**

***Chenopodium* × *praeacutum* J.Murr** = *Chenopodium album* × *Chenopodium pedunculare*

***Chenopodium pratericola* Rydb.**

Note: A rare casual alien collected in Kiev.

***Chenopodium* × *preissmannii* J.Murr** = *Chenopodium album* × *Chenopodium opulifolium*

***Chenopodium probstii* Aellen** ~ *Chenopodium album* aggr.

Note: A rare casual alien (grain immigrant), reported from Kiev and SE Ukraine.

***Chenopodium* × *pseudostriatum* (Zschacke) J.Murr** = *Chenopodium album* × *Chenopodium strictum*

***Chenopodium pumilio* R.Br.**

Note: A rare alien plant known from SW Ukraine (see D. Dubyna & V. Protopopova, 1983, *Ukr. Bot. Zhurn.* 37(5): 20-26).

\****Chenopodium quinoa* Willd.**

***Chenopodium reticulatum* Aellen** ~ *Chenopodium album* aggr.

Note: Collected only once in Kiev; now disappeared.

***Chenopodium rubrum* L.**

***Chenopodium schraderianum* Schult.**

***Chenopodium* × *schulzeanum* J.Murr** = *Chenopodium glaucum* × *Chenopodium rubrum*

(*Chenopodium scoparia* L.) = *Kochia scoparia*

{*Chenopodium serotinum* auct. non L.} = *Chenopodium ficifolium*

***Chenopodium* × *smardae* Dvořák** = *Chenopodium album* × *Chenopodium ficifolium* × *Chenopodium suecicum*

(*Chenopodium striatum* (Krašán) J.Murr) = *Chenopodium strictum*

***Chenopodium strictum* Roth**

[*Chenopodium strictum* Roth subsp. *glaucophyllum* (Aellen) Aellen] = *Chenopodium glaucophyllum*

(*Chenopodium strictum* Roth subsp. *striatum* (Krašán) Aellen & Iljin) = *Chenopodium strictum*

***Chenopodium* × *striatiale* Dvořák** = *Chenopodium album* × *Chenopodium striatiforme*

**Chenopodium striatiforme** J.Murr ~ **Chenopodium strictum** aggr.

**Chenopodium** × **striatisuecicum** Dvořák = **Chenopodium striatiforme** × **Chenopodium suecicum**

**Chenopodium suecicum** J.Murr

**Chenopodium** × **thellungii** J.Murr = **Chenopodium opulifolium** × **Chenopodium suecicum**

**Chenopodium urbicum** L.

**Chenopodium urbicum** L. var. **intermedium** (Mert. & W.D.J.Koch) W.D.J.Koch

{**Chenopodium viride** auct. non L.} = **Chenopodium suecicum**

(**Chenopodium virgatum** (L.) Ambrosi, nom. illeg.) = **Chenopodium foliosum**

**Chenopodium vulvaria** L.

(**Chenopodium wolffii** Simonk.) = **Chenopodium glaucum**

**Chenopodium zerovii** Iljin

Note: Probably this species has originated as a complex hybrid involving *C. opulifolium*, *C. striatiforme*, and *C. album* (see S. Mosyakin & O. Martynyuk, 1993, Ukr. Bot. Zhurn. 50(2): 130-133).

(**Chenopodium zschackei** J.Murr) = **Chenopodium berlandieri** subsp. **zschackei**

**Climacoptera brachiata** (Pall.) Botsch.

**Climacoptera crassa** (M.Bieb.) Botsch.

(**Corispermum borysthenticum** Andr.) = **Corispermum marschallii**

(**Corispermum bjelorusasicum** Klovov & A.Krasnova) = **Corispermum pallasii**

(**Corispermum calvum** Klovov) = **Corispermum nitidum**

Note: Listed in ERL (R).

(**Corispermum calvo-borysthenticum** Klovov, nom. illeg.) = **Corispermum** × **klovovii**

**Corispermum canescens** Kit. ex Schult.

**Corispermum** × **czernjačvii** Klovov = **Corispermum hyssopifolium** × **Corispermum marschallii**

**Corispermum declinatum** Stephan ex Iljin

Note: A rare alien species collected in Kiev region (see M. Bortnyak & S. Mosyakin, 1989, Ukr. Bot. Zhurn. 46(2): 66-67).

?**Corispermum elongatum** Bunge ex Maxim.

(**Corispermum glabratum** Klovov) = **Corispermum hyssopifolium**

(**Corispermum hybridum** Besser ex Andr.) = **Corispermum hyssopifolium**

{**Corispermum hybridum** sensu Tzvelev, non Besser ex Andr.} = **Corispermum pallasii**

**Corispermum hyssopifolium** L.

Note: An uncommon species in Ukraine. The name *C. hyssopifolium* was misapplied to almost all species of the genus.

✓ (**Corispermum insulare** Klovov) = **Corispermum hyssopifolium**

Note: Listed in ERL (R).

**Corispermum** × **klovovii** Mosyakin = **Corispermum marschallii** × **Corispermum nitidum**

(**Corispermum leptoterum** (Asch.) Iljin) = **Corispermum pallasii**

**Corispermum marschallii** Steven

(**Corispermum membranaceum** Iljin) = **Corispermum pallasii**

**Corispermum × modestii** Mosyakin = **Corispermum pallasii** × **Corispermum marschallii**  
[**Corispermum nitidulum** Klokov] = **Corispermum nitidum** subsp. **microspermum**  
**Corispermum nitidum** Kit.

**Corispermum nitidum** Kit. subsp. **microspermum** (Host) Mosyakin

**Corispermum orientale** Lam.

**Corispermum pallasii** Steven

Note: An alien species known from several northern and northwestern regions of Ukraine.

**Corispermum redowskii** Fiech. ex Fenzl

Note: A rare alien species collected in Kiev region (see M. Bortnyak & S. Mosyakin, 1989, Ukr. Bot. Zhurn. 46(2): 66-67.

(**Corispermum stenopterum** Klokov) = **Corispermum canescens** & **Corispermum marschallii**

**Corispermum × ucrainicum** Iljin = **Corispermum canescens** × **Corispermum nitidum**

(**Echinopsilon hirsutum** (L.) Moq.) = **Bassia hirsuta**

(**Echinopsilon hyssopifolium** (Pall.) Moq.) = **Bassia hyssopifolia**

(**Echinopsilon sedoides** (Pall.) Moq.) = **Bassia sedoides**

(**Eurotia ceratoides** (L.) C.A.Mey.) = **Krascheninnikovia ceratoides**

**Halimione pedunculata** (L.) Aellen

**Halimione verrucifera** (M.Bieb.) Aellen

**Halocnemum strobilaceum** (Pall.) M.Bieb.

(**Kochia arenaria** (Maerkl.) Schrad.) = **Kochia laniflora**

(**Kochia densiflora** Turcz. ex Moq.) = **Kochia scoparia** subsp. **densiflora**

**Kochia laniflora** (S.G.Gmel.) Borbás

**Kochia prostrata** (L.) Schrad.

**Kochia scoparia** (L.) Schrad.

**Kochia scoparia** (L.) Schrad subsp. **densiflora** (Turcz. ex Moq.) Aellen

(**Kochia sieversiana** (Pall.) C.A.Mey. s.str.) = **Kochia scoparia** s.str.

{**Kochia sieversiana** auct. non (Pall.) C.A.Mey.} = **Kochia scoparia** subsp. **densiflora**

**Krascheninnikovia ceratoides** (L.) Gueldenst.

**Krascheninnikovia lenensis** (Kumin.) Tzvelev ~ **Krascheninnikovia ceratoides**

Note: The identity of Crimean and Siberian plants (see N. Tsvelev, 1993, Ukr. Bot.

Zhurn. 50(1): 78-85) is improbable. The plants reported from Crimea as

**K. lenensis** are most probably narrow-leaved forms of **K. ceratoides**.

(**Neobotrydium botrys** (L.) Moldenke) = **Chenopodium botrys**

**Ofaiston monandrum** (Pall.) Moq.

**Petrosimonia brachiata** (Pall.) Bunge

(**Petrosimonia crassifolia** (Pall.) Bunge) = **Petrosimonia oppositifolia**

**Petrosimonia oppositifolia** (Pall.) Litv.

**Petrosimonia triandra** (Pall.) Simonk.

**Polycnemum arvense** L.

**Polycnemum heuffelii** Lang

**Polycnemum majus** A. Braun

(*Polycnemum minus* Kit.) = *Polycnemum arvense*

**Polycnemum verrucosum** Lang

Note: According to some authors, the genus *Polycnemum* belongs to *Amaranthaceae*.

**Salicornia borysthena** Tzvelev ~ *Salicornia prostrata*

Note: See N. Tsvelev (1993, Ukr. Bot. Zhurn. 50(1): 78-85).

{*Salicornia europaea* auct. non L.} = *Salicornia prostrata*

{*Salicornia herbacea* auct. non (L.) L.} = *Salicornia prostrata*

{*Salicornia perennans* auct. non Willd.} = *Salicornia prostrata*

**Salicornia prostrata** Pall.

(*Salsola arenaria* Maerkl.) = *Kochia laniflora*

(*Salsola australis* R.Br., p.p.) = *Salsola tragus*

[*Salsola brachiata* Pall.] = *Climacoptera brachiata*

**Salsola collina** Pall.

[*Salsola crassa* M.Bieb.] = *Climacoptera crassa*

(*Salsola iberica* (Sennen & Pau) Botsch.) = *Salsola tragus*

**Salsola kali** L. subsp. **pontica** (Pall.) Mosyakin

Note: See N. Tsvelev (1993, Ukr. Bot. Zhurn. 50(1): 78-85) and S. Mosyakin (1996,

Ann. Missouri Bot. Gard. 83(3): 387-395).

(*Salsola kali* L. subsp. *ruthenica* Soó) = *Salsola tragus*

(*Salsola kali* L. subsp. *tragus* (L.) Čelak.) = *Salsola tragus*

{*Salsola kali* L. subsp. *tragus* auct. non (L.) Čelak.} = *Salsola kali* subsp. *pontica*

(*Salsola laniflora* S.G.Gmel.) = *Kochia laniflora*

[*Salsola laricina* Pall.] = *Caroxylon laricinum*

**Salsola mutica** C.A.Mey.

(*Salsola pestifer* A.Nelson) = *Salsola tragus*

[*Salsola pontica* (Pall.) Degen] = *Salsola kali* subsp. *pontica*

(*Salsola prostrata* L.) = *Kochia prostrata*

(*Salsola ruthenica* Iljin, nom. illeg.) = *Salsola tragus*

**Salsola soda** L.

**Salsola tamariscina** Pall.

**Salsola tragus** L. s.str.

Note: See discussion on nomenclature in N. Tsvelev (1993, Ukr. Bot. Zhurn. 50(1): 78-85) and S. Mosyakin (1996, Ann. Missouri Bot. Gard. 83(3): 387-395).

{*Salsola tragus* auct. non L.} = *Salsola kali* subsp. *pontica*

**\*Spinacia oleracea** L.

**Suaeda acuminata** (C.A.Mey.) Moq.  
**Suaeda altissima** (L.) Pall.  
**Suaeda baccifera** Pall. ~ *Suaeda acuminata*  
 Conservation status: ERL (R).  
 (*Suaeda confusa* Iljin) = *Suaeda acuminata*  
**Suaeda corniculata** (C.A.Mey.) Bunge  
**Suaeda pannonica** G.Beck  
**Suaeda prostrata** Pall.  
**Suaeda salsa** (L.) Pall.

[*Teloxys ambrosioides* (L.) W.A.Weber] = *Chenopodium ambrosioides*  
 [*Teloxys aristata* (L.) Moq.] = *Chenopodium aristatum*  
 [*Teloxys botrys* (L.) W.A.Weber] = *Chenopodium botrys*  
 [*Teloxys pumilio* (R.Br.) W.A.Weber] = *Chenopodium pumilio*  
 [*Teloxys schraderiana* (Schult.) W.A.Weber] = *Chenopodium schraderianum*

## **FAMILY Cistaceae**

{*Cistus creticus* auct. non L.} = *Cistus tauricus*  
 (*Cistus fumana* L.) = *Fumana procumbens*  
 (*Cistus helianthemum* L.) = *Helianthemum chamaecistus*  
 {*Cistus incanus* auct. non L.} = *Cistus tauricus*  
**Cistus tauricus** J.Presl & C.Presl

Conservation status: RDBU (3).  
 {*Cistus thymifolius* auct. non L.} = *Fumanopsis laevis*

{*Fumana arabica* auct. non (L.) Spach} = *Fumana viscidula*  
**Fumana procumbens** (Dun.) Gren. & Godr.  
 {*Fumana thymifolia* auct. non (L.) Spach ex Webb} = *Fumanopsis laevis*  
**Fumana viscidula** (Steven ex Palib.) Juz.

**Fumanopsis laevis** (Cav.) Tzvelev  
 Conservation status: RDBU (2), as *Fumana thymifolia* (sensu auct.).

**Helianthemum canum** (L.) Hornem.  
 Conservation status: RDBU (2).

[*Helianthemum canum* (L.) Hornem. subsp. *steverii* (Rupr. ex Juz. & Pozdeeva) Proctor] =  
*Helianthemum stevenii*

**Helianthemum chamaecistus** Mill.

**Helianthemum cretaceum** (Rupr.) Juz.  
 Conservation status: RDBU (2).

**Helianthemum creticola** Klokov & Dobrocz. ~ *Helianthemum canum*

**Helianthemum cretophilum** Klokov & Dobrocz. ~ *Helianthemum canum*

**Helianthemum georgicum** Juz. & Pozdeeva ~ *Helianthemum canum*

**Helianthemum glaucescens** (Murb.) Tzvelev

**Helianthemum grandiflorum** (Scop.) DC.

[*Helianthemum grandiflorum* (Scop.) DC. subsp. *glabrum* (W.D.J.Koch) Holub] =  
*Helianthemum nitidum*



[*Helianthemum grandiflorum* (Scop.) DC. subsp. *glaucescens* (Murb.) Holub] =

*Helianthemum glaucescens*

***Helianthemum lasiocarpum* Willk.**

?***Helianthemum ledifolium* (L.) Mill.**

Note: One uncertain record for Crimea: probably based on a deviate specimen of  
*H. lasiocarpum*.

***Helianthemum nitidum* Clementi**

***Helianthemum nummularium* (L.) Mill.**

(*Helianthemum nummularium* (L.) Mill. subsp. *glabrum* (W.D.J.Koch) Wilczek) =

*Helianthemum nitidum*

[*Helianthemum nummularium* (L.) Mill. subsp. *grandiflorum* (Scop.) Schintz & Thell.] =

*Helianthemum grandiflorum*

(*Helianthemum nummularium* (L.) Mill. subsp. *obscurum* (Čelak.) Holub) =

*Helianthemum chamaecistus*

[*Helianthemum oelandicum* (L.) DC. subsp. *orientale* (Grosser) Proctor] = *Helianthemum orientale*

[*Helianthemum oelandicum* (L.) DC. subsp. *rupifragum* (A.Kern.) Murb.] =

*Helianthemum rupifragum*

***Helianthemum orientale* (Grosser) Juz. & Pozdeeva**

(*Helianthemum ovatum* (Viv.) Dunal) = *Helianthemum chamaecistus*

***Helianthemum rupifragum* A.Kern.**

***Helianthemum salicifolium* (L.) Mill.**

***Helianthemum stevenii* Rupr. ex Juz. & Pozdeeva**

(*Helianthemum tauricum* Rupr.) = *Helianthemum lasiocarpum*

(*Helianthemum tauricum* Sweet) = *Helianthemum grandiflorum*

(*Helianthemum viscidulum* Steven ex Palib.) = *Fumana viscidula*

(*Rhodax canus* (L.) Fuss) = *Helianthemum canum*

(*Rhodax orientalis* (Grosser) Holub) = *Helianthemum orientale*

(*Rhodax rupifragus* (A.Kern.) Holub) = *Helianthemum rupifragum*

(*Rhodax stevenii* (Rupr. ex Juz. & Pozdeeva) Holub) = *Helianthemum stevenii*

## **FAMILY (Cleomaceae) = Capparaceae**

## **FAMILY Clusiaceae**

(*Hypericum acutum* Moench, nom. illeg.) = *Hypericum tetrapterum*

(*Hypericum alpestre* (Steven ex Woronow) Gorschk.) = *Hypericum tauricum*

***Hypericum alpigenum* Kit.**

***Hypericum apiculatum* (N.Robson) Sennikov ~ *Hypericum elongatum***

**\*!*Hypericum calycinum* L.**

(*Hypericum chrysothyrsum* (Woronow) Grossh.) = *Hypericum lydiu*

***Hypericum elegans* Stephan ex Willd.**

?***Hypericum elongatum* Ledeb.**

***Hypericum hirsutum* L.**

**Hypericum humifusum** L.

**Hypericum hyssopifolium** Chaix

{*Hypericum linarioides* auct. non Bosse} = *Hypericum tauricum*

**Hypericum lydiu** Boiss.

**Hypericum maculatum** Crantz

**Hypericum montanum** L.

**Hypericum montbretii** Spach

Conservation status: ERL (R), as *Hypericum strictum* Maleev.

**Hypericum perforatum** L.

(*Hypericum ponticum* Lipsky) = *Hypericum lydiu*

(*Hypericum quadrangulum* L., nom. utique rej.) = *Hypericum tetrapterum*

{*Hypericum quadrangulum* auct. non L.} = *Hypericum maculatum*

(*Hypericum strictum* Maleev 1930; non Kunth 1821) = *Hypericum montbretii*

**Hypericum tauricum** R.Keller

**Hypericum tetrapterum** Fr.

Note: In addition to native species listed above, ca. 10 shrubby species of *Hypericum* s.l. are occasionally cultivated in botanical gardens and parks.

## **FAMILY Convolvulaceae**

(*Calystegia americana* (Sims) Daniels) = *Calystegia inflata*

**Calystegia inflata** Sweet ~ *Calystegia sepium*

**Calystegia sepium** (L.) R.Br.

[*Calystegia sepium* (L.) R.Br. subsp. *americana* (Sims) Brummitt] = *Calystegia inflata*

**Calystegia silvatica** (Kit.) Griseb.

**Calystegia soldanella** (L.) R.Br.

(*Calystegia sylvestris* Roem. & Schult., nom. illeg.) = *Calystegia silvatica*

**Convolvulus arvensis** L.

(*Convolvulus bessereri* Spreng.) = *Convolvulus lineatus*

**Convolvulus betonicifolius** Mill.

**Convolvulus bracteosus** Juz. ~ *Convolvulus calvertii*

[*Convolvulus calvertii* Boiss. subsp. *bracteosus* (Juz.) Smoljjan.] = *Convolvulus bracteosus*

[*Convolvulus calvertii* Boiss. subsp. *tauricus* (Bornm.) Smoljjan.] = *Convolvulus tauricus*

**Convolvulus cantabrica** L.

(*Convolvulus hirsutus* Steven ex M.Bieb.) = *Convolvulus betonicifolius*

**Convolvulus holosericeus** M.Bieb.

**Convolvulus lineatus** L.

**Convolvulus scammonia** L.

(*Convolvulus sepium* L.) = *Calystegia sepium*

**Convolvulus sericocephalus** Juz.

(*Convolvulus sibthorpii* Roem. & Schult.) = *Convolvulus betonicifolius*

(*Convolvulus soldanella* L.) = *Calystegia soldanella*

**Convolvulus tauricus** (Bornm.) Juz. ~ *Convolvulus calvertii*

(*Convolvulus tauricus* (Bornm.) Juz. var. *sericocephalus* (Juz.) Wissjul.) = *Convolvulus sericocephalus*

***Ipomoea hederacea* (L.) Jacq.**

Note: A rare alien plant occasionally collected along railroads.

***Ipomoea lacunosa* L.**

Note: A rare alien plant reported from SE Ukraine by V. Tokhtar.

**\**Ipomoea purpurea* (L.) Roth**

**\**Ipomoea tricolor* Cav.**

[*Pharbitis purpurea* (L.) Voigt] = *Ipomoea purpurea*

## **FAMILY Cornaceae**

[*Cornus alba* L.] = *Swida alba*

[*Cornus australis* C.A.Mey.] = *Swida australis*

[*Cornus florida* L.] = *Cynoxylon floridum*

[*Cornus hungarica* Karpáti] = *Swida hungarica*

***Cornus mas* L.**

(*Cornus purpurea* Tausch) = *Swida alba*

[*Cornus sanguinea* L.] = *Swida sanguinea*

(*Cornus sanguinea* L. subsp. *czerniaëwii* Grosset) = *Swida hungarica*

(*Cornus sanguinea* L. subsp. *hungarica* (Karpáti) Soó) = *Swida hungarica*

[*Cornus sericea* L.] = *Swida sericea*

(*Cornus stolonifera* Michx.) = *Swida sericea*

(*Cornus tatarica* Mill.) = *Swida alba*

**\**Cynoxylon floridum* (L.) Britton & Shafer**

**\**Swida alba* (L.) Opiz**

***Swida australis* (C.A.Mey.) Pojark. ex Grossh.**

(*Swida czerniaëwii* (Grosset) Soják) = *Swida hungarica*

***Swida hungarica* (Karpáti) Soják ~ *Swida sanguinea***

***Swida sanguinea* (L.) Opiz**

(*Swida sanguinea* (L.) Opiz subsp. *australis* (C.A.Mey.) Kubat) = *Swida australis*

(*Swida sanguinea* (L.) Opiz subsp. *czerniaëwii* (Grosset) Gubanov & V.N.Tichomirov) =  
*Swida hungarica*

(*Swida sanguinea* (L.) Opiz subsp. *hungarica* (Karpáti) Kubat) = *Swida hungarica*

**\**Swida sericea* (L.) Holub**

(*Swida stolonifera* (Michx.) Rydb.) = *Swida sericea*

(*Thelycrania alba* (L.) Pojark.) = *Swida alba*

(*Thelycrania australis* (C.A.Mey.) Sanadze) = *Swida australis*

(*Thelycrania stolonifera* (Michx.) Pojark.) = *Swida sericea*

(*Thelycrania sanguinea* (L.) Fourr.) = *Swida sanguinea*

## **FAMILY Corylaceae**

**Carpinus betulus** L.  
**Carpinus orientalis** Mill.

**Corylus avellana** L.  
\***Corylus colurna** L.  
\***Corylus maxima** Mill.  
\***Corylus pontica** K.Koch

Note: Several other exotic species are occasionally cultivated in botanical gardens and arboreta.

\***Ostrya carpinifolia** Scop.

## **FAMILY Crassulaceae**

[**Crassula vaillantii** (Willd.) Roth] = **Tillaea vaillantii**

**Hylotelephium argutum** (Haw.) Holub ~ **Hylotelephium telephium** aggr.

Note: The genus **Hylotelephium** is represented in Ukraine by two species aggregates ("broad" species). Taxonomic value of "narrower" taxa is very problematic.  
(**Hylotelephium argutum** (Haw.) Holub subsp. **carpaticum** (G.Reuss.) Dostál) =  
**Hylotelephium argutum**

(**Hylotelephium carpaticum** (G.Reuss.) Soják) = **Hylotelephium argutum**

{**Hylotelephium decumbens** auct. non (Luce) V.Byalt} = **Hylotelephium polonicum**

Note: Nomenclature of this taxon, as well as of many other taxa of **Sedum** s.l., is much confused (see V. Byalt, 1995, Bot. Zhurn. 80(11): 34-36; V. Byalt, 1996, Bot. Zhurn. 81(9): 59-62). The true identity of **Sedum decumbens** is uncertain; see J. Jalas (1999, Ann. Bot. Fennici 36: 9-10).

**Hylotelephium maximum** (L.) Holub

**Hylotelephium polonicum** (Błocki) Holub ~ **Hylotelephium maximum** aggr.

(**Hylotelephium ruprechtii** (Jalas) Tzvelev) = **Hylotelephium polonicum**

**Hylotelephium stepposum** (Boriss.) Tzvelev ~ **Hylotelephium maximum** aggr.

(**Hylotelephium telephium** (L.) Ohba subsp. **ruprechtii** (Jalas) Dostál) = **Hylotelephium polonicum**

{**Hylotelephium telephium** auct. non (L.) Ohba} = **Hylotelephium argutum**, **Hylotelephium polonicum** & **Hylotelephium triphyllum**

**Hylotelephium triphyllum** (Haw.) Holub ~ **Hylotelephium telephium** aggr.

**Jovibarba globifera** (L.) J.Parn.

[**Jovibarba globifera** (L.) J.Parn. subsp. **hirta** (L.) J.Parn.] = **Jovibarba hirta**

**Jovibarba hirta** (L.) Opiz aggr.

Note: Nomenclature of Carpathian representatives of this group is much confused; several species and infraspecific taxa were recognized by different authors. For nomenclatural stability, at present it is safer to accept a broader species without any infraspecific entities.

(**Jovibarba hirta** (L.) Opiz subsp. **borealis** (H.Huber) Soó) = **Jovibarba globifera**

(*Jovibarba hirta* (L.) Opiz subsp. *glabrescens* (Sabr.) Soó & Jáv.) = *Jovibarba hirta*  
 (*Jovibarba hirta* (L.) Opiz subsp. *preissiana* (Domin) Soó) = *Jovibarba hirta*  
 (*Jovibarba hirta* (L.) Opiz subsp. *tatrensis* (Domin) A.L.öve & D.L.öve) = *Jovibarba hirta*  
 (*Jovibarba preissiana* (Domin) Omelezuk & Czopik) = *Jovibarba hirta*  
 (*Jovibarba sobolifera* (Sims.) Opiz) = *Jovibarba globifera*

***Rhodiola rosea* L.**

Conservation status: RDBU (1).

***Sedum acre* L.**

***Sedum aetnense* Tineo**

***Sedum album* L.**

***Sedum alpestre* Vill.**

***Sedum annuum* L.**

***Sedum antiquum* Omelezuk & Zaverucha ~ *Sedum hispanicum***

Conservation status: RDBU (1); ERL (R).

Note: *Sedum antiquum* is believed to be an endemic of the Ukrainian Carpathians.

However, other taxa described in the *S. hispanicum* group earlier (e.g., *S. glaucum* Waldst. & Kit., *S. hungaricum* Poir., etc.) should be critically revised.

[*Sedum argutum* (Haw.) Sweet] = *Hylotelephium argutum*

***Sedum atratum* L.**

(*Sedum boloniense* Loisel.) = *Sedum sexangulare*

***Sedum borissovae* Balk. ~ *Sedum sexangulare***

Conservation status: IUCN RL (V).

***Sedum caespitosum* (Cav.) DC.**

(*Sedum carpaticum* G.Reuss) = *Hylotelephium argutum*

{*Sedum decumbens* auct. non Luce} = *Hylotelephium polonicum*

Note: See note under *Hylotelephium decumbens*.

(*Sedum fabaria* W.D.J.Koch) = *Hylotelephium argutum*

(*Sedum hillebrandtii* Fenzl) = *Sedum urvillei*

{*Sedum hillebrandtii* auct. non Fenzl} = *Sedum sexangulare*

***Sedum hispanicum* L.**

[*Sedum maximum* (L.) Hoffm.] = *Hylotelephium maximum*

***Sedum pallidum* M.Bieb.**

{*Sedum pallidum* auct. non M.Bieb.} = *Sedum urvillei*

[*Sedum polonicum* Blocki] = *Hylotelephium polonicum*

{*Sedum purpureum* auct. non (L.) Schult.} = *Hylotelephium argutum* & *Hylotelephium triphyllum*

(*Sedum reflexum* L.) = *Sedum rupestre*

(*Sedum rhodiola* DC.) = *Rhodiola rosea*

(*Sedum roseum* (L.) Scop.) = *Rhodiola rosea*

***Sedum rubens* L.**

***Sedum rupestre* L.**

(*Sedum ruprechtii* (Jalas) Omelezuk) = *Hylotelephium polonicum*

(*Sedum sartorianum* Boiss. subsp. *hillebrandtii* (Fenzl) D.A. Webb) = *Sedum urvillei*

***Sedum sexangulare* L.**

(*Sedum spirale* Haw.) = *Sedum sexangulare*

**\*! *Sedum spurium* M.Bieb.**

{*Sedum telephium* auct. non L.} = *Hylotelephium argutum*, *Hylotelephium polonicum* &

*Hylotelephium triphyllum*

(*Sedum telephium* L. subsp. *ruprechtii* Jalas) = *Hylotelephium decumbens*

(*Sedum telephium* L. subsp. *fabaria* (W.D.J. Koch) Kirsch.) = *Hylotelephium argutum*

***Sedum urvillei* DC.**

Note: Reported for the Ukrainian Carpathians as *Sedum hillebrandtii* (most probably a misidentification of *S. sexangulare*). Recently reported from Crimea.

***Sedum villosum* L.**

Note: Reported for Transcarpathia (Fodor, 1974); needs confirmation.

(*Sempervivum globiferum* L.) = *Jovibarba globifera*

(*Sempervivum hillebrandtii* Schott) = *Jovibarba hirta*

(*Sempervivum hirtum* L.) = *Jovibarba hirta*

***Sempervivum montanum* L.**

Conservation status: RDBU (1).

Note: Plants from the Ukrainian Carpathians were assigned to *S. montanum* L. subsp. *carpaticum* Wettst. ex Hayek.

***Sempervivum ruthenicum* Schnittsp. & C.B. Lehm.**

(*Sempervivum soboliferum* Sims) = *Jovibarba globifera*

**\*! *Sempervivum tectorum* L.**

(*Spathulata spuria* (M.Bieb.) A. Löve & D. Löve) = *Sedum spurium*

***Tillaea vaillantii* Willd.**

## **FAMILY Cucurbitaceae**

***Bryonia alba* L.**

[*Bryonia cretica* L. subsp. *dioica* (Jacq.) Tutin] = *Bryonia dioica*

***Bryonia dioica* Jacq.**

**\**Citrullus colocynthis* (L.) Schrad.**

**\**Citrullus lanatus* (Thunb.) Matsum. & Nakai**

(*Cucumis colocynthis* L.) = *Citrullus colocynthis*

[*Cucumis melo* L.] = *Melo sativus*

**\**Cucumis sativus* L.**

(*Cucurbita citrullus* L.) = *Citrullus lanatus*

(*Cucurbita lagenaria* L.) = *Lagenaria siceraria*

\**Cucurbita maxima* Duchesne

\**Cucurbita moschata* (Duchesne) Poir.

\**Cucurbita pepo* L.

*Ecballium elaterium* (L.) A.Rich.

(*Echinocystis echinata* (Muehl. ex Willd.) Britt., Sterns & Poggenb.) = *Echinocystis lobata*

\*!*Echinocystis lobata* (Michx.) Torr. & A.Gray

Note: An invasive species naturalized in many regions of Ukraine.

\**Lagenaria siceraria* (Molina) Standl.

(*Lagenaria vulgaris* Ser.) = *Lagenaria siceraria*

\**Luffa acutangula* (L.) Roxb.

\**Luffa cylindrica* (L.) M.Roem.

\**Melo sativus* Sager. ex M.Roem.

\**Momordica balsamina* L.

(*Momordica cylindrica* L.) = *Luffa cylindrica*

(*Momordica elaterium* L.) = *Ecballium elaterium*

(*Momordica lanata* Thunb.) = *Citrullus lanatus*

\*!*Sicyos angulata* L.

(*Sicyos lobata* Michx.) = *Echinocystis lobata*

\*!*Thladiantha dubia* Bunge

## **FAMILY Cuscutaceae**

*Cuscuta alba* J.Presl & C.Presl

*Cuscuta approximata* Bab.

{*Cuscuta australis* auct. non R.Br.} = *Cuscuta cesatiana* & *Cuscuta tinei*

[*Cuscuta australis* R.Br. subsp. *cesatiana* (Bertol.) Fienbrun] = *Cuscuta cesatiana*

[*Cuscuta australis* R.Br. subsp. *tinei* (Insenga) Fienbrun] = *Cuscuta tinei*

(*Cuscuta basarabica* Buia) = *Cuscuta cesatiana*

(*Cuscuta breviflora* Vis.) = *Cuscuta tinei*

{*Cuscuta breviflora* auct. non Vis.} = *Cuscuta cesatiana*

*Cuscuta campestris* Yunck.

*Cuscuta cesatiana* Bertol.

*Cuscuta epilinum* Weihe

*Cuscuta epithymum* (L.) L.

[*Cuscuta epithymum* (L.) L. subsp. *kotschyi* (Des Moul.) Arcang.] = *Cuscuta kotschyi*

[*Cuscuta epithymum* (L.) L. subsp. *trifolii* (Bab. & Gibson) Berger] = *Cuscuta trifolii*  
*Cuscuta europaea* L.  
*Cuscuta gronovii* Willd. ex Roem. & Schult.  
*Cuscuta kotschy* Des Moul.  
*Cuscuta lupuliformis* Krock.  
*Cuscuta monogyna* Vahl  
(*Cuscuta scandens* Brot. subsp. *cesatiana* (Bertol.) Greuter & Burdet) = *Cuscuta cesatiana*  
*Cuscuta suaveolens* Ser.  
*Cuscuta tinei* Insenga ~ *Cuscuta australis*  
*Cuscuta trifolii* Bab. & Gibson ~ *Cuscuta epithymum* s.l.  
(*Cuscuta viciae* Schultz) = *Cuscuta europaea*  
(*Cuscuta vulgaris* Pers., nom. illeg.) = *Cuscuta europaea*

(*Grammica campestris* (Yunck.) Hadač & Chrtek) = *Cuscuta campestris*

(*Monogynella lupuliformis* (Krock.) Hadač & Chrtek) = *Cuscuta lupuliformis*

## **FAMILY Dipsacaceae**

*Cephalaria coriacea* (Willd.) Steud.  
*Cephalaria demetrii* Bobrov  
Conservation status: ERL (R).  
*Cephalaria litvinovii* Bobrov  
Conservation status: RDBU (1); ERL (E).  
*Cephalaria transsylvanica* (L.) Roem. & Schult.  
*Cephalaria uralensis* (Murray) Roem. & Schult.

(*Dipsacella pilosa* (L.) Soják) = *Dipsacus pilosus*

{*Dipsacus fullonum* L. p.p., nom. ambig.} = *Dipsacus sylvestris*  
*Dipsacus gmelinii* M.Bieb.  
*Dipsacus laciniatus* L.  
*Dipsacus pilosus* L.  
\**Dipsacus sativus* (L.) Honck.  
*Dipsacus strigosus* Willd. ex Roem. & Schult.  
*Dipsacus sylvestris* Huds.

*Knautia arvensis* (L.) Coult.  
{*Knautia arvensis* (L.) Coult. subsp. *kitaibelii* (Schult.) Szabó} = *Knautia kitaibelii*  
(*Knautia arvensis* (L.) Coult. var. *carpathica* (Fisch. ex Rchb.) G.Reuss) = *Knautia kitaibelii*  
(*Knautia carpathica* (Fisch. ex Rchb.) Heuff.) = *Knautia kitaibelii*  
(*Knautia dipsacifolia* Kreutzer) = *Knautia maxima*  
(*Knautia dipsacifolia* Kreutzer subsp. *pocutica* (Szabó) Ehrend.) = *Knautia maxima*  
*Knautia kitaibelii* (Schult.) Borbás  
{*Knautia longifolia* auct. non (Waldst. & Kit.) W.D.J.Koch} = *Scabiosa lucida*



**Knautia maxima** (Opiz) Ortmann  
(*Knautia turocensis* (Borbás) Szabó) = *Knautia maxima*  
(*Lomelosia argentea* (L.) Greuter & Burdet) = *Scabiosa argentea*  
(*Lomelosia rotata* (M.Bieb.) Greuter & Burdet) = *Scabiosa rotata*  
(*Lomelosia micrantha* (Desf.) Greuter & Burdet) = *Scabiosa micrantha*

**Pterocephalus plumosus** (L.) Coult.

**Scabiosa argentea** L.  
(*Scabiosa arvensis* L.) = *Knautia arvensis*  
(*Scabiosa campestris* Andr. ex Besser) = *Knautia arvensis*

**Scabiosa columbaria** L.  
(*Scabiosa dipsacifolia* Host) = *Knautia maxima*  
(*Scabiosa inflexa* Kluk) = *Succisella inflexa*  
(*Scabiosa kitaibelii* Schult) = *Knautia kitaibelii*

**Scabiosa lucida** Vill.  
(*Scabiosa maxima* Opiz) = *Knautia maxima*

**Scabiosa micrantha** Desf.

**Scabiosa ochroleuca** L.  
(*Scabiosa opaca* Klokov) = *Scabiosa lucida*

**Scabiosa praemontana** Privalova  
Conservation status: ERL (R).

**Scabiosa rotata** M.Bieb.  
(*Scabiosa succisa* L.) = *Succisa pratensis*  
**Scabiosa taurica** Kotov ~ *Scabiosa argentea*  
**Scabiosa ucranica** L.  
{*Scabiosa ucranica* auct. non L.} = *Scabiosa argentea*

**Succisa pratensis** Moench

**Succisella inflexa** (Kluk) G.Beck

(*Trichera arvensis* (L.) Schrad. ex Roem. & Schult.) = *Knautia arvensis*  
(*Trichera dipsacifolia* (Kreutzer) Nyman) = *Knautia maxima*  
(*Trichera dipsacifolia* (Kreutzer) Nyman subsp. *pocutica* (Szabó) Soják) = *Knautia maxima*

(*Trochocephalus argenteus* (L.) A.Löve & D.Löve) = *Scabiosa argentea*  
(*Trochocephalus ucranicus* (L.) A.Löve & D.Löve) = *Scabiosa ucranica*  
(*Trochocephalus rotatus* (M.Bieb.) A.Löve & D.Löve) = *Scabiosa rotata*  
(*Trochocephalus micranthus* (Desf.) A.Löve & D.Löve) = *Scabiosa micrantha*

(*Virga pilosa* (L.) Hill) = *Dipsacus pilosus*  
(*Virga strigosa* (Willd. ex Roem. & Schult) Holub) = *Dipsacus strigosus*

## **FAMILY Droseraceae**

**Aldrovanda vesiculosa** L.

Conservation status: RDBU (2).

(*Drosera anglica* Huds.) = *Drosera longifolia*

**Drosera intermedia** Hayne

Conservation status: RDBU (2).

**Drosera longifolia** L.

Conservation status: RDBU (2), as *Drosera anglica*.

**Drosera** × **obovata** Mert. & W.D.J.Koch = *Drosera longifolia* × *Drosera rotundifolia*

**Drosera rotundifolia** L.

## **FAMILY Ebenaceae**

\***Diospyros kaki** Thunb.

\***Diospyros lotus** L.

\***Diospyros virginiana** L.

## **FAMILY Elaeagnaceae**

\*!**Elaeagnus angustifolia** L.

(*Elaeagnus argentea* Pursh, non Moench) = *Elaeagnus commutata*

\***Elaeagnus commutata** Bernh. ex Rydb.

Note: Several other species of *Elaeagnus* are occasionally cultivated in botanical gardens and parks: *E. multiflora* Thunb., *E. pungens* Thunb., *E. umbellata* Thunb., etc.

(*Hippophaë argentea* Pursh) = *Shepherdia argentea*

**Hippophaë rhamnoides** L.

(*Hippophaë rhamnoides* L. subsp. *carpatica* Rousi) = *Hippophaë rhamnoides*

\***Shepherdia argentea** (Pursh) Nutt.

Note: In Ukrainian horticultural publications the genus name is usually misspelt as "Schepherdia".

## **FAMILY Elatinaceae**

**Elatine alsinastrum** L.

**Elatine ambigua** Wight

(*Elatine callitrichoides* (W.Nyl.) Kauffm.) = *Elatine triandra*

(*Elatine gyrosperma* Düben) = *Elatine hydropiper*

**Elatine hungarica** Moesz

**Elatine hydropiper** L.

**Elatine triandra** Schkuhr

## **FAMILY Empetraceae**

**Empetrum hermaphroditum** Hagerup

**Empetrum nigrum** L.

[*Empetrum nigrum* L. subsp. *hermaphroditum* (Hagerup) Böcher] = *Empetrum hermaphroditum*

## **FAMILY Ericaceae**

Note: Including *Vacciniaceae*.

(*Andromeda calyculata* L.) = *Chamaedaphne calyculata*

**Andromeda polifolia** L.

**Arbutus andrachne** L.

Conservation status: RDBU (2).

\***Arbutus unedo** L.

[*Arctostaphylos alpinus* (L.) Spreng.] = *Arctous alpinus*

(*Arctostaphylos officinalis* Wimmer & Grab.) = *Arctostaphylos uva-ursi*

**Arctostaphylos uva-ursi** (L.) Spreng.

?**Arctous alpinus** (L.) Niedenzu

Note: Records from the Carpathians need confirmation.

(*Azalea pontica* L.) = *Rhododendron luteum*

(*Azalea procumbens* L.) = *Loiseleuria procumbens*

**Bruckenthalia spiculifolia** (Salisb.) Rehb.

Note: Reported for the Ukrainian Carpathians by V. Tkachik (1997, Ukr. Bot. Zhurn. 54(2):184-186).

**Calluna vulgaris** (L.) Hull

**Chamaedaphne calyculata** (L.) Moench

Conservation status: RDBU (1).

**Ledum palustre** L.

**Loiseleuria procumbens** (L.) Desv.

**Oxycoccus microcarpus** Turcz. ex Rupr.

Conservation status: RDBU (1).

(*Oxycoccus oxycoccus* (L.) B.H. Macmill.; nom. inval.) = *Oxycoccus palustris*

**Oxycoccus palustris** Pers.

[*Rhodococcum vitis-idaea* (L.) Avror.] = *Vaccinium vitis-idaea* L.

(*Rhododendron flavum* (Hoffm.) G.Don) = *Rhododendron luteum*

(*Rhododendron kotschy* Simonk.) = *Rhododendron myrtifolium*

***Rhododendron luteum* Sweet**

***Rhododendron myrtifolium* Schott & Kotschy**

Conservation status: RDBU (3), as *Rhododendron kotschy*.

Note: At least 35-40 other species of *Rhododendron* are cultivated in botanical gardens, arboreta and parks.

(*Uva-ursi alpina* (L.) A.Gray) = *Arctous alpinus*

(*Uva-ursi procumbens* Moench) = *Arctostaphylos uva-ursi*

(*Vaccinium album* L.) = *Symphoricarpos albus*

Note: See family *Caprifoliaceae*.

***Vaccinium gaultherioides* Bigelow ~ *Vaccinium uliginosum***

[*Vaccinium microcarpum* (Turcz. ex Rupr.) Schmalh.] = *Oxycoccus microcarpus*

(*Vaccinium microphyllum* (Lange) Hagerup) = *Vaccinium gaultherioides*

[*Vaccinium minus* (Lodd.) Worosch.] = *Vaccinium vitis-idaea* subsp. *minor*

***Vaccinium myrtillus* L.**

[*Vaccinium oxycoccus* L.] = *Oxycoccus palustris*

***Vaccinium uliginosum* L.**

[*Vaccinium uliginosum* L. subsp. *microphyllum* (Lange) Tolm.] = *Vaccinium gaultherioides*

***Vaccinium vitis-idaea* L.**

***Vaccinium vitis-idaea* L. subsp. *minor* (Lodd.) Hultén**

## **FAMILY Eucommiaceae**

**\**Eucommia ulmoides* Oliver**

## **FAMILY Euphorbiaceae**

***Acalypha australis* L.**

Note: A rare alien plant known from Crimea.

[*Agaloma marginata* (Pursh) A.Löve & D.Löve] = *Euphorbia marginata*

***Andrachne telephioides* L.**

[*Chamaesyce canescens* (L.) Prokh.] = *Euphorbia canescens*

[*Chamaesyce humifusa* (Willd. ex Schlecht.) Prokh.] = *Euphorbia humifusa*

[*Chamaesyce maculata* (L.) Small] = *Euphorbia maculata*

[*Chamaesyce peplis* (L.) Prokh.] = *Euphorbia peplis*

[*Chamaesyce vulgaris* Prokh.] = *Euphorbia chamaesyce*

**Chrozophora hierosolymitana** Spreng. ~ **Chrozophora tinctoria**

?**Chrozophora obliqua** (Vahl) A.Juss. ex Spreng.

Note: Reported from Crimea; needs confirmation.

**Chrozophora tinctoria** (L.) Raf.

(*Croton tinctorium* L.) = **Chrozophora tinctoria**

**Euphorbia agraria** M.Bieb.

**Euphorbia aleppica** L.

**Euphorbia amygdaloides** L.

**Euphorbia angulata** Jacq.

{*Euphorbia austriaca* auct. non A.Kern.} = **Euphorbia sojakii**

**Euphorbia borodinii** Sambuk

**Euphorbia canescens** L.

**Euphorbia carniolica** Jacq.

**Euphorbia carpatica** Wol.

{*Euphorbia carpatica* sensu Klokov, non Wol.} = **Euphorbia sojakii**

**Euphorbia chamaesyce** L.

**Euphorbia cretophila** Klokov

**Euphorbia cyparissias** L.

**Euphorbia dentata** Michx.

Note: A rare alien plant recently collected in several regions of Ukraine (see J. Guzik & al. 1997, Ukr. Bot. Zhurn. 54(3):280-283).

**Euphorbia dulcis** L.

{*Euphorbia epithymoides* auct. non L.} = **Euphorbia lingulata**

**Euphorbia esula** L.

**Euphorbia exigua** L.

**Euphorbia falcata** L.

**Euphorbia glareosa** Pall. ex M.Bieb.

**Euphorbia goldei** Prokh.

(*Euphorbia gracilis* M.Bieb. 1819, non Loisel. 1807) = **Euphorbia subtilis**

(*Euphorbia graeca* Bois. & Sprun.) = **Euphorbia taurinensis**

**Euphorbia helioscopia** L.

[*Euphorbia helioscopia* L. subsp. *helioscopioides* (Loscos & Pardo) O.Bolos] = **Euphorbia helioscopioides**

(*Euphorbia helioscopia* L. subsp. *hiemalis* A.P.Khokhr.) = **Euphorbia helioscopioides**

**Euphorbia helioscopioides** Loscos & Pardo

**Euphorbia humifusa** Willd. ex Schlecht.

**Euphorbia iberica** Boiss.

**Euphorbia jasiewiczii** (Chrtk & Křisa) Dubovik

**Euphorbia kaleniczenkoi** Czern. ~ **Euphorbia esula**

(*Euphorbia kitaibeli* Klokov ex Dubovik, nom. inval.) = **Euphorbia virgata**

**Euphorbia klovkioviana** Railjan

**Euphorbia klovkovi** Dubovik ~ **Euphorbia villosa**

**Euphorbia kotovii** Klokov

**?\*Euphorbia lathyris L.**

Note: Reported as occasionally cultivated in the southern part of Ukraine.

**Euphorbia ledebourii Boiss.**

**Euphorbia leptocaula Boiss.**

**Euphorbia lingulata Heuff.**

Note: Probably conspecific with *E. epithymoides*.

**Euphorbia lucida Waldst. & Kit.**

**Euphorbia maculata L.**

Note: A rare alien plant reported from the Danube delta area (see D. Dubyna & V. Protopepova, 1984, Ukr. Bot. Zhurn. 41(3): 33-36).

**\*!Euphorbia marginata Pursh**

(*Euphorbia massiliensis* DC.) = *Euphorbia canescens*

**Euphorbia myrsinites L.**

(*Euphorbia nicaeensis* All. subsp. *glareosa* (Pall. ex M.Bieb.) A.R.Smith) = *Euphorbia glareosa*

**Euphorbia palustris L.**

**Euphorbia paralias L.**

**Euphorbia peplis L.**

**Euphorbia peplus L.**

**Euphorbia petrophila C.A.Mey.**

**Euphorbia plathyphyllos L.**

{*Euphorbia polychroma* auct. non Kern.} = *Euphorbia lingulata*

**Euphorbia pseudoglareosa Klokov**

(*Euphorbia pseudovillosa* Klokov 1955, non Prod. 1953) = *Euphorbia klovovii*

**Euphorbia × pseudovirgata (Schur) Soó** = *Euphorbia esula* ~ *Euphorbia virgata*

(*Euphorbia purpurata* Thuill.) = *Euphorbia dulcis*

**Euphorbia rigida M.Bieb.**

**Euphorbia salicifolia Host**

**Euphorbia sareptana A.Becker**

**Euphorbia semivillosa Prokh.**

**Euphorbia sequierana Neck.**

(*Euphorbia serrulata* Thuill.) = *Euphorbia stricta*

**Euphorbia sojakii (Chrték & Křisa) Dubovik**

**Euphorbia stepposa Zoz ex Prokh.**

**Euphorbia stricta L.**

(*Euphorbia subhastifolia* Klokov) = *Euphorbia petrophila*

**Euphorbia subtilis Prokh.**

**Euphorbia tanaitica Pacz.** ~ *Euphorbia sareptana*

**Euphorbia tauricola Prokh.**

**Euphorbia taurinensis All.**

(*Euphorbia tommasiniana* Bertol.) = *Euphorbia virgata*

**Euphorbia tristis Besser ex M.Bieb.** ~ *Euphorbia esula*

**Euphorbia tyraica Klokov & Artemez.**

**Euphorbia uralensis Fisch. ex Link**

**Euphorbia valdevillosocarpa Arvat & Nyár.**

Conservation status: RDBU (3).

{*Euphorbia variegata* auct. non Sims} = *Euphorbia marginata*

***Euphorbia villosa*** Waldst. & Kit.

***Euphorbia virgata*** Waldst. & Kit.

Note: If the name *Euphorbia virgata* Desf. 1804 has been published earlier than

*E. virgata* Waldst. & Kit. 1804, then the correct name for this taxon would be

*E. tommasiniana*.

(*Euphorbia virgultosa* Klokov) = *Euphorbia virgata*

***Euphorbia volhynica*** Besser ex Racib.

Conservation status: RDBU (3).

(*Euphorbia waldsteinii* (Soják) Czerep.) = *Euphorbia virgata*

**\**Flueggea suffruticosa*** (Pall.) Baillon

(*Lepadena marginata* (Pursh) Nieuwl.) = *Euphorbia marginata*

***Mercurialis annua*** L.

***Mercurialis ovata*** Sternb. & Hoppe

***Mercurialis paxii*** Graebn.

Note: Probably a stabilized hybrid *M. ovata* × *M. perennis*. In Ukraine occurs only in Crimea.

***Mercurialis perennis*** L.

(*Mercurialis taurica* Juz.) = *Mercurialis paxii*

[*Poinsettia dentata* (Michx.) Klotzsch & Garcke] = *Euphorbia dentata*

**\**Ricinus communis*** L.

[*Securinega suffruticosa* (Pall.) Rehd.] = *Flueggea suffruticosa*

[*Tithymalus agrarius* (M.Bieb.) Klotzsch & Garcke] = *Euphorbia agraria*

[*Tithymalus aleppicus* (L.) Klotzsch & Garcke] = *Euphorbia aleppica*

[*Tithymalus amygdaloides* (L.) Garsault] = *Euphorbia amygdaloides*

[*Tithymalus angulatus* (Jacq.) Raf.] = *Euphorbia angulata*

[*Tithymalus borodini* (Sambuk) Prokh.] = *Euphorbia borodini*

[*Tithymalus carniolicus* (Jacq.) Raf.] = *Euphorbia carniolica*

[*Tithymalus cyparissias* (L.) Hill] = *Euphorbia cyparissias*

[*Tithymalus dulcis* (L.) Scop.] = *Euphorbia dulcis*

[*Tithymalus esula* (L.) Hill] = *Euphorbia esula*

[*Tithymalus exiguus* (L.) Hill] = *Euphorbia exigua*

[*Tithymalus falcatus* (L.) Klotzsch & Garcke] = *Euphorbia falcata*

[*Tithymalus glareosus* (Pall. ex M.Bieb.) Prokh.] = *Euphorbia glareosa*

[*Tithymalus goldei* Prokh.] = *Euphorbia goldei*

[*Tithymalus helioscopia* (L.) Hill] = *Euphorbia helioscopia*

[*Tithymalus ibericus* (Boiss.) Prokh.] = *Euphorbia iberica*

[*Tithymalus jasiewiczii* Chrtek & Křisa] = *Euphorbia jasiewiczii*

[*Tithymalus klokovianus* (Railjan) Holub] = *Euphorbia klokoviana*

[*Tithymalus lathyris* (L.) Hill] = *Euphorbia lathyris*

[Tithymalus ledebourii (Boiss.) Prokh.] = Euphorbia ledebourii  
 [Tithymalus leptocaulus (Boiss.) Prokh.] = Euphorbia leptocaula  
 [Tithymalus lingulatus (Heuff.) Soják] = Euphorbia lingulata  
 [Tithymalus lucidus (Waldst. & Kit.) Klotzsch ex Garcke] = Euphorbia lucida  
 [Tithymalus myrsinites (L.) Hill] = Euphorbia myrsinites  
 [Tithymalus palustris (L.) Garsault] = Euphorbia palustris  
 [Tithymalus peplus (L.) Hill] = Euphorbia peplus  
 [Tithymalus paralias (L.) Hill] = Euphorbia paralias  
 [Tithymalus petrophilus (C.A. Mey.) Soják] = Euphorbia petrophila  
 [Tithymalus plathyphyllos (L.) Hill] = Euphorbia plathyphyllos  
 [Tithymalus rigidus (M.Bieb.) Klotzsch & Garcke] = Euphorbia rigida  
 [Tithymalus salicifolius (Host) Klotzsch & Garcke] = Euphorbia salicifolia  
 [Tithymalus sareptanus (A.Becker) Prokh.] = Euphorbia sareptana  
 [Tithymalus sequieranus (Neck.) Prokh.] = Euphorbia sequierana  
 [Tithymalus semivillosus Prokh.] = Euphorbia semivillosa  
 [Tithymalus sojakii (Chrtěk & Krása) Holub] = Euphorbia sojakii  
 [Tithymalus stepposus (Zoz ex Prokh.) Prokh.] = Euphorbia stepposa  
 [Tithymalus strictus (L.) Klotzsch & Garcke] = Euphorbia stricta  
 [Tithymalus subtilis Prokh.] = Euphorbia subtilis  
 [Tithymalus tauricolus Prokh.] = Euphorbia tauricola  
 [Tithymalus taurinensis (All.) Klotzsch & Garcke] = Euphorbia taurinensis  
 (Tithymalus tommasinianus (Bertol.) Soják) = Euphorbia virgata  
 [Tithymalus uralensis (Fisch. ex Link) Prokh.] = Euphorbia uralensis  
 [Tithymalus valdevillosocarpus (Arvat & Nyár.) Chrtěk & Krása] = Euphorbia  
 valdevillosocarpa  
 [Tithymalus villosus (Waldst. & Kit.) Pacher] = Euphorbia villosa  
 [Tithymalus volhynicus (Besser ex Racib.) Holub] = Euphorbia volhynica  
 (Tithymalus waldsteinii Soják) = Euphorbia virgata

## **FAMILY Fabaceae**

Note: See also Caesalpinaceae and Mimosaceae.

[Amoria ambigua (M.Bieb.) Soják] = Trifolium ambiguum  
 [Amoria angulata (Waldst. & Kit.) C.Presl] = Trifolium angulatum  
 [Amoria bonnanii (C.Presl) Roskov] = Trifolium bonnanii  
 [Amoria fragifera (L.) Roskov] = Trifolium fragiferum  
 [Amoria hybrida (L.) C.Presl] = Trifolium hybridum  
 [Amoria hybrida (L.) C.Presl subsp. elegans (Savi) Soják] = Trifolium elegans  
 [Amoria montana (L.) Soják] = Trifolium montanum  
 [Amoria pallescens (Schreb.) C.Presl] = Trifolium pallescens  
 [Amoria repens (L.) C.Presl] = Trifolium repens  
 [Amoria resupinata (L.) Roskov] = Trifolium resupinatum  
 [Amoria retusa (L.) Dostál] = Trifolium retusum  
 [Amoria vesiculosa (Savi) Roskov] = Trifolium vesiculosum

\**Amorpha californica* Nutt.



\**Amorpha canescens* Nutt.

\*!*Amorpha fruticosa* L.

Note: A completely naturalized invasive species in the Dnieper River valley and some other regions of Ukraine.

\**Amorpha herbacea* Walter

\**Amorpha glabra* Poir.

Note: In addition to the taxa listed above, 3 or 4 other species of *Amorpha* are rarely cultivated in botanical gardens and arboreta.

(*Anthyllis affinis* Brittinger ex A.Kern.) = *Anthyllis carpatica*

*Anthyllis alpestris* (Kit. ex Schult.) Rechb. *Anthyllis vulneraria* aggr.

(*Anthyllis alpicola* Brügger) = *Anthyllis alpestris*

*Anthyllis arenaria* (Rupr.) Juz. ~ *Anthyllis vulneraria* aggr.

*Anthyllis biebersteiniana* Popl. ~ *Anthyllis vulneraria* aggr.

(*Anthyllis calcicola* Schur) = *Anthyllis alpestris*

*Anthyllis carpatica* Pant. ~ *Anthyllis vulneraria* aggr.

*Anthyllis macrocephala* Wender. ~ *Anthyllis vulneraria* aggr.

{*Anthyllis polyphylla* auct. non (DC.) Kit. ex Loudon} = *Anthyllis macrocephala* & *Anthyllis schiwereckii*

*Anthyllis schiwereckii* (DC.) Blocki ~ *Anthyllis vulneraria* aggr.

*Anthyllis taurica* Juz. ~ *Anthyllis vulneraria* aggr.

Note: Probably a hybrid *A. biebersteiniana* × *A. macrocephala*.

{*Anthyllis vulneraria* L. subsp. *alpestris* (Kit. ex Schult.) Asch. & Graebn.] = *Anthyllis alpestris*

{*Anthyllis vulneraria* L. subsp. *carpatica* (Pant.) Nyman] = *Anthyllis carpatica*

{*Anthyllis vulneraria* L. subsp. *boissieri* (Sagorski) Bornm.} = *Anthyllis taurica*

\**Arachis hypogaea* L.

*Argyrolobium biebersteinii* P.W.Ball

(*Argyrolobium calycinum* (M.Bieb.) Jaub. & Spach, nom. illeg.) = *Argyrolobium biebersteinii*

(*Argyrolobium pauciflorum* (M.Bieb. ex Willd.) Hayek 1926, non Eckl. & Zeyh. 1836) = *Argyrolobium biebersteinii*

*Astracantha arnacantha* (M.Bieb.) Podlech

Conservation status: IUCN RL (R), as *Astragalus arnacantha*.

*Astragalus abruptus* Krytzka ~ *Astragalus pseudotataricus*

*Astragalus albicaulis* DC.

*Astragalus albidus* Waldst. & Kit.

*Astragalus alpinus* L.

Note: Reported for Transcarpathia (see Yakovlev, Sytin & Roskov, 1996).

*Astragalus arenarius* L.

{*Astragalus arnacantha* M.Bieb.] = *Astracantha arnacantha*

*Astragalus asper* Jacq.

{*Astragalus australis* auct. non (L.) Lam.} = *Astragalus krajinae*  
 [*Astragalus australis* (L.) Lam. subsp. *krajinae* (Domin) Dostál] = *Astragalus krajinae*  
***Astragalus austriacus*** Jacq.  
***Astragalus borysthenicus*** Klokov ~ *Astragalus onobrychis* s.l.  
 Conservation status: RDBU (2); ERL (R).  
***Astragalus brachyceras*** Ledeb. ~ *Astragalus hamosus* s.l.  
 {*Astragalus buchtormensis* auct. non Pall.} = *Astragalus henningii*  
***Astragalus bungeanus*** Boiss.  
 Note: Reported for Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).  
***Astragalus cicer*** L.  
 (*Astragalus concavus* Boriss.) = *Astragalus reduncus*  
***Astragalus contortuplicatus*** L.  
***Astragalus corniculatus*** M.Bieb.  
 {*Astragalus cornutus* auct. non Pall.} = *Astragalus odessanus* & *Astragalus cretophilus*  
***Astragalus cretophilus*** Klokov ~ *Astragalus cornutus* s.l.  
 Conservation status: RDBU (3).  
***Astragalus danicus*** Retz.  
***Astragalus dasyanthus*** Pall.  
 Conservation status: RDBU (2); IUCN RL (R); ERL (I).  
***Astragalus dealbatus*** Pall.  
***Astragalus dolichophyllus*** Pall.  
***Astragalus exscapus*** L.  
***Astragalus galegiformis*** L.  
***Astragalus glaucus*** M.Bieb.  
***Astragalus glycyphylloides*** DC.  
***Astragalus glycyphyllos*** L.  
 (*Astragalus glycyphyllos* L. subsp. *glycyphylloides* (DC.) V.A.Matthews) = *Astragalus glycyphylloides*  
 {*Astragalus guttatus* auct. non Banks & Sol.} = *Astragalus striatellus*  
 {*Astragalus hamosus* auct. non L.} = *Astragalus brachyceras*  
 (*Astragalus hedysaroides* L.) = *Hedysarum hedysaroides*  
***Astragalus henningii*** (Steven) Klokov  
 Conservation status: IUCN RL (R); ERL (R).  
 Note: Closely related to *A. buchtormensis* s.l.  
***Astragalus hypanicus*** Krytzka ~ *Astragalus pallescens* s.l.  
***Astragalus krajinae*** Domin ~ *Astragalus australis* s.l.  
 Conservation status: RDBU (2); ERL (I).  
 {*Astragalus macropus* auct. non Bunge} = *Astragalus olgianus*  
***Astragalus monspessulanus*** L.  
 Conservation status: RDBU (2).  
 (*Astragalus novoascanicus* Klokov) = *Astragalus henningii*  
***Astragalus odessanus*** Besser ~ *Astragalus cornutus* s.l.  
***Astragalus olgianus*** Krytzka ~ *Astragalus macropus* s.l.  
***Astragalus onobrychis*** L.  
***Astragalus oxyglottis*** Steven ex M.Bieb.

**Astragalus pallescens** M.Bieb.

Conservation status: IUCN RL (I).

(*Astragalus pilosus* L.) = *Oxytropis pilosa*

**Astragalus ponticus** Pall.

**Astragalus pseudoglaucus** Klokov

(*Astragalus pseudonobrychis* Andr.) = *Astragalus onobrychis*

{*Astragalus pseudotataricus* auct. non Boriss.} = *Astragalus abruptus*

**Astragalus pubiflorus** DC.

**Astragalus reduncus** Pall.

Conservation status: IUCN RL (I); ERL (I).

**Astragalus resupinatus** M.Bieb.

**Astragalus rupifragus** Pall.

**Astragalus sareptanus** A.Becker ~ *Astragalus rupifragus* s.l.

**Astragalus setosulus** Gontsch.

Conservation status: RDBU (2); IUCN RL (E); ERL (R).

**Astragalus similis** Boriss.

Conservation status: ERL (R).

**Astragalus sinaicus** Boiss.

**Astragalus striatellus** Pall. ex M.Bieb. ~ *Astragalus guttatus* s.l.

(*Astragalus subulatus* Pall.) = *Astragalus subuliformis*

**Astragalus subuliformis** DC.

**Astragalus sulcatus** L.

**Astragalus suprapilosus** Gontsch.

Conservation status: ERL (I).

**Astragalus tanaiticus** K.Koch

Conservation status: RDBU (1); IUCN RL (V); ERL (I).

(*Astragalus tarchankuticus* Boriss.) = *Astragalus glaucus*

**Astragalus tauricus** Pall.

**Astragalus testiculatus** Pall.

**Astragalus ucrainicus** M.Pop. & Klokov

**Astragalus utriger** Pall.

**Astragalus varius** S.G.Gmel.

{*Astragalus vesicarius* auct. non L.} = *Astragalus albidus*

(*Astragalus virgatus* Pall.) = *Astragalus varius*

**Astragalus zingeri** Korsh.

Conservation status: RDBU (2); ERL (I).

**Bituminaria bituminosa** (L.) Stirton

**Calophaca wolgarica** (L.f.) DC.

Conservation status: RDBU (2); ERL (V).

\***Caragana arborescens** Lam.

\***Caragana aurantiaca** Koehne

(*Caragana frutescens* (L.) DC.) = *Caragana frutex*

**Caragana frutex** (L.) K.Koch

\***Caragana fruticosa** (Pall.) Besser

\***Caragana grandiflora** (M.Bieb.) DC.

{**Caragana grandiflora** auct. non (M.Bieb.) DC.} = **Caragana scythica**

(**Caragana grandiflora** (M.Bieb.) DC. var. **scythica** Kom.) = **Caragana scythica**

**Caragana scythica** (Kom.) Pojark.

Conservation status: RDBU (2); ERL (R).

\***Caragana spinosa** (L.) DC.

\***Caragana microphylla** Lam.

**Caragana mollis** (M.Bieb.) Besser

\***Caragana pygmaea** (L.) DC.

Note: In addition to the taxa listed above, ca. 15 other species of *Caragana* are occasionally cultivated in botanical gardens and arboreta: *C. decorticans* Hemsl., *C. laeta* Kom., *C. spinosa* (L.) DC., *C. tibetica* Kom., *C. tragacanthoides* (Pall.) Poir., *C. turkestanica* Kom., *C. ussuriensis* (Regel) Pojark., etc.

(**Chamaecytisus aggregatus** (Schur) Czerep.) = **Chamaecytisus supinus**

**Chamaecytisus albus** (Hacq.) Rothm.

Conservation status: RDBU (3).

**Chamaecytisus austriacus** (L.) Link

**Chamaecytisus blockianus** (Pawl.) Klásková

Conservation status: RDBU (3); IUCN RL (R); ERL (R).

**Chamaecytisus borysthenicus** (Grun.) Klásková

**Chamaecytisus elongatus** (Waldst. & Kit.) Link.

?**Chamaecytisus glaber** (L.f.) Rothm.

Note: Reported from Transcarpathia (Fodor, 1974), probably introduced; needs confirmation.

**Chamaecytisus graniticus** (Rehman) Rothm.

Conservation status: RDBU (3), including *Chamaecytisus skrobiszewskii*; IUCN RL (R), as *Chamaecytisus skrobiszewskii*; ERL (R).

{**Chamaecytisus hirsutus** auct. non (L.) Link} = **Chamaecytisus leucotrichus**

[**Chamaecytisus hirsutus** (L.) Link subsp. **leucotrichus** (Schur) Ponert] = **Chamaecytisus leucotrichus**

**Chamaecytisus kreczetoviczii** (Wissjul.) Holub ~ **Chamaecytisus lindemannii** s.l.

Conservation status: ERL (R).

**Chamaecytisus leiocarpus** (A.Kern.) Rothm.

**Chamaecytisus leucotrichus** (Schur) Czerep. ~ **Chamaecytisus hirsutus** s.l.

**Chamaecytisus lindemannii** (V.Krecz.) Klásková

Conservation status: ERL (R), as *Chamaecytisus kreczetoviczii* (s.l.).

?**Chamaecytisus litwinowii** (V.Krecz.) Klásková ~ **Chamaecytisus blockianus** s.l.

Conservation status: ERL (R).

Note: Occurrence in Ukraine needs confirmation; no specimens available.

**Chamaecytisus paczoskii** (V.Krecz.) Klásková

Conservation status: RDBU (3); IUCN RL (R).

**Chamaecytisus pineticola** Ivčenko ~ **Chamaecytisus zingeri** s.l.

**Chamaecytisus podolicus** (Blocki) Klásková

Conservation status: RDBU (2); IUCN RL (R); ERL (R).

**Chamaecytisus polytrichus** (M.Bieb.) Rothm.

**\*Chamaecytisus purpureus** (Scop.) Link

Note: Reported from Crimea (cultivated).

**Chamaecytisus ratisbonensis** (Schaeff.) Rothm.

**Chamaecytisus rochelii** (Wierzb.) Rothm.

Conservation status: RDBU (2).

**Chamaecytisus ruthenicus** (Fisch. ex Wot.) Klásková

**?Chamaecytisus supinus** (L.) Link

Note: Occurrence in Ukraine needs confirmation; probably misidentified *Ch. austriacus*.

(*Chamaecytisus skrobiszewskii* (Pacz.) Klásková) = *Chamaecytisus graniticus*

**Chamaecytisus wulfii** (V.Krecz.) Klásková

Conservation status: RDBU (2); ERL (I).

{*Chamaecytisus zingeri* auct. non (Nenuk.) Klásková, p.p.} = *Chamaecytisus pineticola*

(*Chamaespartium sagittale* (L.) P.Gibbs) = *Genistella sagittalis*

[*Chrysaspis aurea* (Pollich) Greene] = *Trifolium aureum*

[*Chrysaspis badia* (Schreb.) Desv.] = *Trifolium badium*

[*Chrysaspis campestris* (Schreb.) Desv.] = *Trifolium campestre*

[*Chrysaspis dubia* (Sibth.) Desv.] = *Trifolium dubium*

[*Chrysaspis grandiflora* (Schreb.) Hendrych] = *Trifolium grandiflorum*

[*Chrysaspis spadicea* (L.) Greene] = *Trifolium spadiceum*

**\*Cicer arietinum** L.

**\*Cladrastis kentuckea** (Dum.-Cours.) Rudd

(*Cladrastis lutea* (Michx.) K.Koch) = *Cladrastis kentuckea*

**\*Colutea arborescens** L.

Note: Ca. 7 other species of *Colutea* are occasionally cultivated in botanical gardens and parks.

[*Colutea arborescens* L. subsp. *cilicica* (Boiss. & Balansa) Ponert] = *Colutea cilicica*

**Colutea cilicica** Boiss. & Balansa

**Colutea orientalis** Mill.

**Coronilla coronata** L.

(*Coronilla cretica* L.) = *Securigera cretica*

(*Coronilla elegans* Pančić) = *Securigera elegans*

(*Coronilla emeroides* Boiss. & Spruner) = *Hippocrepis emeroides*

(*Coronilla latifolia* (Hazsl.) Jáv.) = *Securigera elegans*

(*Coronilla montana* Scop.) = *Coronilla coronata*

(*Coronilla parviflora* Moench, non Willd.) = *Securigera cretica*

(*Coronilla parviflora* Willd.) = *Securigera parviflora*  
(*Coronilla rostrata* Boiss. & Sprun.) = *Securigera parviflora*  
***Coronilla scorpioides* (L.) W.D.J.Koch**  
(*Coronilla varia* L.) = *Securigera varia*

**\**Corothamnus procumbens* (Waldst. & Kit. ex Willd.) C.Presl**  
Note: Reported as cultivated in Transcarpathia.

[*Crimaea cretacea* (M.Bieb.) Vassilcz.] = *Melilotoides cretacea*

**\**Crotalaria juncea* L.**

(*Cytisophyllum sessilifolius* (L.) Lang) = *Cytisus sessilifolius*

(*Cytisus albus* Hacq.) = *Chamaecytisus albus*  
(*Cytisus austriacus* L.) = *Chamaecytisus austriacus*  
(*Cytisus blockianus* Pawl.) = *Chamaecytisus blockianus*  
(*Cytisus blockii* V.Krecz.) = *Chamaecytisus blockianus*  
(*Cytisus calycinus* M.Bieb., nom. illeg.) = *Argyrolobium biebersteinii*  
(*Cytisus laburnum* L.) = *Laburnum anagyroides*  
(*Cytisus leucotrichus* Schur) = *Chamaecytisus leucotrichus*  
(*Cytisus nigricans* L.) = *Lembotropis nigricans*  
(*Cytisus pauciflorus* M.Bieb. ex Willd.) = *Argyrolobium biebersteinii*  
(*Cytisus podolicus* Blocki) = *Chamaecytisus podolicus*  
(*Cytisus ratisbonensis* Schaeff.) = *Chamaecytisus ratisbonensis*  
(*Cytisus sagittalis* (L.) W.D.J.Koch) = *Genistella sagittalis*  
(*Cytisus scoparius* (L.) Link) = *Sarothamnus scoparius*  
**\**Cytisus sessilifolius* L.**  
(*Cytisus wolgaricus* L.f.) = *Calophaea wolgarica*

(*Dolichos lablab* L.) = *Lablab purpureus*

***Dorycnium herbaceum* Vill.**

(*Dorycnium germanicum* (Gremli) Rikli) = *Dorycnium pentaphyllum*

***Dorycnium graecum* (L.) Ser.**

(*Dorycnium intermedium* Ledeb.) = *Dorycnium herbaceum*

(*Dorycnium latifolium* Willd.) = *Dorycnium graecum*

***Dorycnium pentaphyllum* Scop.**

{*Dorycnium suffruticosum* auct. non Vill.} = *Dorycnium pentaphyllum*

**\**Eremosparton aphyllum* (Pall.) Fisch. & C.A.Mey.**

Note: Cultivated in Crimea.

[*Faba bona* Medik.] = *Vicia faba*

**Galega officinalis** L.

**Genista albida** Willd.

(*Genista albida* Willd. var. *pontica* Zelen.) = *Genista millii*

(*Genista borysthonica* Kotov) = *Genista sibirica*

**Genista campestris** Janka

Note: Reported from Transcarpathia.

**Genista depressa** M.Bieb.

(*Genista depressa* M.Bieb. var. *cretacea* Krjukova) = *Genista taurica*

**Genista donetzica** Kotov ~ *Genista tinctoria* s.l.

**Genista elata** (Moench) Wender. ~ *Genista tinctoria*

**Genista germanica** L.

**Genista godesii** Spach. ~ *Genista albida* s.l.

**Genista juzepeczukii** Tzvelev

(*Genista marginata* Besser) = *Genista tinctoria*

**Genista millii** Heldr. ex. Boiss.

Conservation status: IUCN RL (R).

(*Genista oligosperma* (Andrae) Simonk.) = *Genista rupestris*

?**Genista ovata** Waldst. & Kit.

Note: Reported from Transcarpathia; needs confirmation.

{*Genista pilosa* auct. non L.} = *Genista juzepeczukii*

(*Genista pontica* (Zelen.) Juz. 1951, non Spach 1845) = *Genista millii*

**Genista rupestris** Schur

[*Genista sagittalis* L.] = *Genistella sagittalis*

**Genista scythica** Pacz.

Conservation status: RDBU (3).

**Genista sibirica** L.

**Genista tanaitica** P.Smirn.

Conservation status: RDBU (3); IUCN RL (1); ERL (V).

**Genista taurica** Dubovik

**Genista tetragona** Besser

Conservation status: RDBU (1); IUCN RL (E); ERL (I).

**Genista tinctoria** L.

(*Genista tinctoria* L. var. *campestris* (Janka) Morariu) = *Genista campestris*

(*Genista tinctoria* L. var. *depressa* (M.Bieb.) Schmalh.) = *Genista depressa*

**Genista verae** Juz.

Note: Known only from Ayudag Mt, Crimea.

**Genistella sagittalis** (L.) Gams

Conservation status: RDBU (2).

(*Glycine hispida* (Moench) Maxim.) = *Glycine max*

\***Glycine max** (L.) Merr.

{*Glycine soja* auct. non Siebold & Zucc.} = *Glycine max*

**Glycyrrhiza echinata** L.

**Glycyrrhiza foetidissima** Tausch

**Glycyrrhiza glabra** L.

(*Glycyrrhiza hirsuta* Pall.) = *Glycyrrhiza glabra*

(*Glycyrrhiza macedonica* Boiss. & Orph.) = *Glycyrrhiza foetidissima*

(*Goebelia alopecuroides* (L.) Bunge) = *Sophora alopecuroides*

(*Goebelia prodanii* (E.S.Anderson) Grossh.) = *Sophora alopecuroides* subsp. *jaubertii*

**\*Halimodendron halodendron** (Pall.) Voss

**Hedysarum candidum** M.Bieb.

**Hedysarum cretaceum** Fisch.

Conservation status: RDBU (1); IUCN RL (R); ERL (V).

**Hedysarum grandiflorum** Pall.

**Hedysarum hedysaroides** (L.) Schinz. & Thell.

Conservation status: RDBU (1).

(*Hedysarum obscurum* L.) = *Hedysarum hedysaroides*

(*Hedysarum onobrychis* L.) = *Onobrychis viciifolia*

**Hedysarum tauricum** Pall. ex Willd.

**Hedysarum ucrainicum** Kaschn.

Conservation status: RDBU (1); IUCN RL (R); ERL (V).

**Hippocrepis biflora** Spreng.

**Hippocrepis ciliata** Willd.

**Hippocrepis comosa** L.

Conservation status: RDBU (3).

**Hippocrepis emeroides** (Boiss. & Spruner) Czerep.

{*Hippocrepis multisiliquosa* auct. non L.} = *Hippocrepis ciliata*

{*Hippocrepis unisiliquosa* auct. non L.} = *Hippocrepis biflora*

**\*Lablab purpureus** (L.) Sweet

**\*Laburnum alpinum** (Mill.) Bercht. & J.Presl

**\*!Laburnum anagyroides** Medik.

**Lathyrus aphaca** L.

**Lathyrus aureus** (Steven) Brandza

(*Lathyrus austriacus* (Crantz) Wissjul.) = *Lathyrus pannonicus*

**Lathyrus cicera** L.

**Lathyrus digitatus** (M.Bieb.) Fiori

**Lathyrus hirsutus** L.

**Lathyrus incurvus** (Roth) Roth

**Lathyrus lacaitae** Czefr. ~ *Lathyrus pannonicus*

**Lathyrus lacteus** (M.Bieb.) Wissjul. ~ *Lathyrus pannonicus*



**Lathyrus laevigatus** (Waldst. & Kit.) Gren.  
**Lathyrus latifolius** L.  
**Lathyrus laxiflorus** (Desf.) O.Kuntze  
 (Lathyrus megalanthus Steud.) = Lathyrus latifolius  
**Lathyrus niger** (L.) Bernh.  
**Lathyrus nissolia** L.  
 \***Lathyrus odoratus** L.  
**Lathyrus pallescens** (M.Bieb.) K.Koch  
**Lathyrus palustris** L.  
**Lathyrus pannonicus** (Jacq.) Garcke  
 [Lathyrus pannonicus (Jacq.) Garcke subsp. hispanicus (Lacaita) Baessler] = Lathyrus  
 lacitae  
 [Lathyrus pannonicus (Jacq.) Garcke subsp. collinus (Ortmann) Soó] = Lathyrus lacteus  
**Lathyrus pisiformis** L.  
**Lathyrus pratensis** L.  
**Lathyrus rotundifolius** Willd.  
 \***Lathyrus sativus** L.  
**Lathyrus saxatilis** (Vent.) Vis.  
**Lathyrus setifolius** L.  
**Lathyrus sphaericus** Retz.  
 (Lathyrus subalpinus (Herb.) G.Beck) = Lathyrus laevigatus  
**Lathyrus sylvestris** L.  
**Lathyrus transsilvanicus** (Spreng.) Rech.f.  
**Lathyrus tuberosus** L.  
**Lathyrus undulatus** Boiss.  
 Note: Reported from Crimea; needs confirmation.  
 (Lathyrus variegatus (Ten.) Gren. & Godr.) = Lathyrus venetus  
**Lathyrus venetus** (Mill.) Wohlf.  
 Conservation status: RDBU (1).  
**Lathyrus vernus** (L.) Bernh.  
 {Lathyrus versicolor auct. non (J.F.Gmel.) Beck} = Lathyrus lacteus

**Lembotropis nigricans** (L.) Griseb.

\***Lens culinaris** Medik.  
 [Lens culinaris Medik. subsp. orientalis (Boiss.) Ponert] = Lens orientalis  
**Lens ervoides** (Brign.) Grande  
**Lens nigricans** (M.Bieb.) Webb & Berthel.  
**Lens orientalis** (Boiss.) Schmalh.  
 Conservation status: RDBU (1).

\***Lespedeza bicolor** Turcz.

Note: Other species are rarely cultivated in botanical gardens and parks: *L. crytobotrya*  
 Miq., *L. sericea* Miq., *L. thunbergii* (DC.) Nakai.

**Lotus alpicola** (G.Beck) Miniaev, Ulle & Krytzka ~ **Lotus corniculatus** aggr.

**Lotus ambiguus** Besser ex Spreng. ~ **Lotus corniculatus** aggr.

**Lotus angustissimus** L.

(**Lotus angustissimus** L. var. **praetermissus** (Kuprian.) Wissjul.) = **Lotus praetermissus**

**Lotus arvensis** Pers. ~ **Lotus corniculatus** aggr.

{**Lotus caucasicus** auct. non Kuprian. ex Juz.} = **Lotus tauricus**

**Lotus corniculatus** L.

Note: Most of the Ukrainian representatives of the genus (except **L. angustissimus**, **L. praetermissus**, and **L. ornithopodioides**) belong to the **L. corniculatus** aggregate.

**Lotus elisabethae** Opperman & Wissjul. ~ **Lotus corniculatus** aggr.

**Lotus frondosus** (Frey) Kuprian. ~ **Lotus corniculatus** aggr.

**Lotus olgae** Klokov ~ **Lotus corniculatus** aggr.

Note: Probably a hybrid **L. ambiguus** × **L. ucrainicus**.

?**Lothus ornithopodioides** L.

Note: Records of this species from Crimea and Kherson region need confirmation.

**Lotus praetermissus** Kuprian. ~ **Lotus angustissimus**

**Lotus tauricus** Juz. ~ **Lotus corniculatus** aggr.

**Lotus tenuis** Waldst. & Kit. ex Willd. ~ **Lotus corniculatus** aggr.

**Lotus ucrainicus** Klokov ~ **Lotus corniculatus** aggr.

**Lotus uliginosus** Schkuhr ~ **Lotus corniculatus** aggr.

[**Lupinaster litwinowii** (Hjin) Roskov] = **Trifolium litwinowii**

[**Lupinaster pentaphyllus** Moench] = **Trifolium lupinaster**

\***Lupinus albus** L.

\***Lupinus angustifolius** L.

{**Lupinus hirsutus** auct. non L.} = **Lupinus micranthus**

\***Lupinus luteus** L.

\***Lupinus micranthus** Guss.

\***Lupinus perennis** L.

\*!**Lupinus polyphyllus** Lindl.

Note: Only this species of **Lupinus** can be considered naturalized in Ukraine; other cultivated species rarely occur as escaped.

\***Lupinus varius** L.

\***Maackia amurensis** Rupr. & Maxim.

**Medicago agrestis** Ten.

**Medicago arabica** (L.) Huds.

(**Medicago cretacea** M.Bieb.) = **Melilotoides cretacea**

**Medicago denticulata** Willd.

(**Medicago erecta** Kotov, non Winterl.) = **Medicago romanica**

**Medicago falcata** L. aggr.

Note: This aggregate is represented in Ukraine by several "microspecies"

(**M. procumbens**, **M. romanica**, **M. tenderiensis**); their status as distinct species is problematic.

[**Medicago falcata** L. subsp. **romanica** (Prodán) Schwarz & Klinkovski] = **Medicago romanica**

**Medicago glandulosa** (Mert. & W.D.J.Koch) Davidov ~ **Medicago falcata** aggr.

**Medicago glutinosa** M.Bieb. ~ **Medicago falcata** aggr.

Note: Reported from Crimea.

(**Medicago kotovii** Wissjul., nom. inval.) = **Medicago romanica**

?**Medicago laciniata** L.

**Medicago lupulina** L.

(**Medicago marginata** Willd.) = **Medicago orbicularis**

**Medicago marina** L.

Conservation status: RDBU (1).

**Medicago meyeri** Grun

**Medicago minima** (L.) Bartal.

**Medicago orbicularis** (L.) Bartal.

?**Medicago polychroa** Grossh.

Note: The only record of this Caucasian species from Ukraine (Cherkassy region; cultivated or introduced ?) needs confirmation.

**Medicago praecox** DC.

(**Medicago procumbens** Besser) ~ **Medicago falcata**

**Medicago rigidula** (L.) All.

**Medicago romanica** Prodán ~ **Medicago falcata** aggr.

**Medicago rupestris** M.Bieb.

Conservation status: RDBU (3).

\*!**Medicago sativa** L.

Note: A completely naturalized species.

**Medicago saxatilis** M.Bieb.

Conservation status: RDBU (1).

**Medicago scutellat.** (L.) Mill.

?**Medicago soleirolei** Duby

Note: Reported from Sevastopol, Crimea; no new records available.

**Medicago tenderiensis** Opperman ex Klovov ~ **Medicago romanica**

?**Medicago truncatula** Gaertn.

Note: reported from Crimea; needs confirmation.

**Medicago** × **varia** T.Martyn = **Medicago sativa** × **Medicago falcata**

**Melilotoides cretacea** (M.Bieb.) Soják

**Melilotoides brachycarpa** (Fisch.) Soják

**Melilotus albus** Medik.

**Melilotus altissimus** Thuill.

**Melilotus arenarius** Grecescu

(**Melilotus arvensis** Wallr.) = **Melilotus officinalis**

**Melilotus dentatus** (Waldst. & Kit.) Pers.

**Melilotus indicus** (L.) All.

**Melilotus neapolitanus** Ten.

**Melilotus officinalis** (L.) Pall.

(**Melilotus parviflorus** Desf.) = **Melilotus indicus**

**?Melilotus polonicus** (L.) Pall.

Note: Reported from Kherson region; probably a misidentification.

**Melilotus tauricus** (M.Bieb.) Ser.

(*Melilotus vulgaris* (Hayne) Willd.) = *Melilotus albus*

**Melilotus wolgicus** Poir.

(*Melissitus brachycarpus* (Fisch.) Latsch.) = *Melilotoides brachycarpa*

(*Melissitus cretaceus* (M.Bieb.) Latsch.) = *Melilotoides cretacea*

**Onobrychis arenaria** (Kit.) DC.

Note: Closely related to *O. gracilis*.

(*Onobrychis arenaria* (Kit.) DC. subsp. *miniata* (Steven) P.W.Ball) = *Onobrychis miniata*

**Onobrychis borysthena** (Širj.) Klokov

**Onobrychis gracilis** Besser

**Onobrychis inermis** Steven

**Onobrychis jailae** Czernova

(*Onobrychis longiaculeata* (Pacz.) Wissjul., non Pau) = *Onobrychis paczoskiana*

**Onobrychis miniata** Steven

**Onobrychis paczoskiana** Krytzka ~ *Onobrychis gracilis* s.l.

**Onobrychis pallasii** (Willd.) M.Bieb.

Conservation status: RDBU (2); IUCN RL (R).

**?Onobrychis polonicus** (L.) Pall.

{*Onobrychis radiata* auct. non (Desf.) M.Bieb.} = *Onobrychis vassilczenkoi*

**Onobrychis tanaitica** Spreng.

**Onobrychis tesquicola** Krytzka

**Onobrychis transcaucasica** Grossh.

**Onobrychis vassilczenkoi** Grossh.

Conservation status. IUCN RL (R), as *Onobrychis radiata* s.l.

**\*!Onobrychis viciifolia** Scop.

Note: Widely cultivated; locally naturalized.

{*Onobrychis viciifolia* auct. non Scop.} = *Onobrychis tanaitica*

**Ononis arvensis** L.

(*Ononis campestris* W.D.J.Koch & Ziz) = *Ononis spinosa*

(*Ononis intermedia* C.A.Mey. ex Rouy) = *Ononis arvensis*

**Ononis leioperma** Boiss.

**?Ononis procurrens** Wallr.

**Ononis pusilla** L.

[*Ononis repens* L. subsp. *procurrens* (Wallr.) Asch. & Graebn.] = *Ononis procurrens*

**Ononis spinosa** L. nom. conserv.

**Ornithopus perpusillus** L.

**\*!Ornithopus sativus** Brot.

(*Ornithopus scorpioides* L.) = *Coronilla scorpioides*

(Orobus aphaca (L.) Döll) = Lathyrus aphaca  
 (Orobus austriacus Crantz) = Lathyrus pannonicus  
 (Orobus lacteus M.Bieb.) = Lathyrus lacteus  
 (Orobus laevigatus Waldst. & Kit.) = Lathyrus laevigatus  
 (Orobus niger L.) = Lathyrus niger  
 (Orobus nissolia (L.) Döll) = Lathyrus nissolia  
 (Orobus palustris (L.) Rich.) = Lathyrus palustris  
 (Orobus pannonicus Jacq.) = Lathyrus pannonicus  
 (Orobus pisiformis (L.) Wender.) = Lathyrus pisiformis  
 (Orobus pratensis (L.) Döll) = Lathyrus pratensis  
 (Orobus transsilvanicus Spreng.) = Lathyrus transsilvanicus  
 (Orobus venetus Mill.) = Lathyrus venetus  
 (Orobus vernus L.) = Lathyrus vernus  
 (Orobus versicolor auct. non J.F.Gmel.) = Lathyrus lacteus

**?Oxytropis campestris (L.) DC.**

Note: Reported in literature for the Carpathians; no specimens available.

**Oxytropis carpatica Uechtr.**

Conservation status: RDBU (1).

**?Oxytropis halleri Bunge ex W.D.J.Koch**

Note: Reported for the Carpathians (Transcarpathia); needs confirmation.

[Oxytropis montana (L.) DC. subsp. carpatica (Uechtr.) Soó] = Oxytropis carpatica

**Oxytropis pallasii Pers.**

**Oxytropis pilosa (L.) DC.**

(Oxytropis sericea (Lam.) Simonk. 1886, non Nutt. ex Torr. & A.Gray 1838) = Oxytropis halleri

**\*Phaseolus acutifolius A.Gray**

(Phaseolus aureus Roxb.) = Vigna radiata

**\*Phaseolus coccineus L.**

(Phaseolus esculentus Salisb.) = Phaseolus vulgaris

(Phaseolus multiflorus Lam.) = Phaseolus coccineus

(Phaseolus radiatus L.) = Vigna radiata

**\*Phaseolus vulgaris L.**

**Pisum arvense L.**

**Pisum elatius M.Bieb.**

Conservation status: RDBU (3).

**\*Pisum sativum L.**

(Pseudoacacia communis Simonk.) = Robinia pseudoacacia

(Pseudoacacia pseudoacacia Borbás, nom. illeg.) = Robinia pseudoacacia

(Pseudosophora alopecuroides (L.) Sweet) = Sophora alopecuroides

[*Psoralea bituminosa* L.] = *Bituminaria bituminosa*

(*Pueraria hirsuta* (Thunb.) Matsum.) = *Pueraria lobata*

**\*!Pueraria lobata** (Willd.) Ohwi

**\*Robinia × ambigua** Poir. = *Robinia pseudoacacia* × *Robinia viscosa*

(*Robinia caragana* L.) = *Caragana arborescens*

(*Robinia frutex* L.) = *Caragana frutex*

(*Robinia glutinosa* Sims.) = *Robinia viscosa*

**\*Robinia hispida** L.

(*Robinia luxurians* C.K.Schneid.) = *Robinia neomexicana*

**\*Robinia neomexicana** A.Gray

(*Robinia pseudacacia* L., ortho) = *Robinia pseudoacacia*

**\*!Robinia pseudoacacia** L.

Note: A completely naturalized species; invasive in many regions of Ukraine.

(*Robinia rosea* Loisel.) = *Robinia hispida*

**\*Robinia viscosa** Vent.

*Sarothamnus scoparius* (L.) W.D.J.Koch

(*Scorpiurus minimus* Losinsk.) = *Scorpiurus muricatus*

**Scorpiurus muricatus** L.

(*Scorpiurus subvillosus* L.) = *Scorpiurus muricatus*

**Securigera cretica** (L.) Lassen

**Securigera elegans** (Pančić) Lassen

Conservation status: RDBU (2), as *Coronilla elegans*.

**?Securigera parviflora** (Willd.) Lassen

Note: Reported from Crimea as *Coronilla rostrata*; no locality information available.

**Securigera securidaca** (L.) Degen & Dörfel

**Securigera varia** (L.) Lassen

(*Sesbania exaltata* (Raf.) Cory) = *Sesbania herbacea*

**Sesbania herbacea** (Mill.) McVaugh

Note: A rare casual alien recently collected in SE Ukraine by V. Tokhtar.

(*Soja hispida* Moench) = *Glycine max*

(*Soja soja* H.Karst., nom. illeg.) = *Glycine max*

**Sophora alopecuroides** L.

Conservation status: RDBU (3), as *Vexibia alopecuroides*, including *Sophora prodanii* (see below).

**Sophora alopecuroides** L. subsp. *jaubertii* (Spach) Borza

**\*!Sophora japonica** L.

Note: Two other species, *S. flavescens* Sol. and *S. vicifolia* Hance, are rarely cultivated in botanical gardens.

(*Sophora jaubertii* Spach) = *Sophora alopecuroides* subsp. *jaubertii*  
(*Sophora prodanii* E.S.Anderson) = *Sophora alopecuroides* subsp. *jaubertii*

(*Spartium aphyllum* Pall.) = *Eremosparton aphyllum*

**\*!Spartium junceum** L.

Note: Naturalized in Crimea.

[*Styphnolobium japonicum* (L.) Schott] = *Sophora japonica*

**Tetragonolobus maritimus** (L.) Roth.

**Tetragonolobus purpureus** Moench

(*Tetragonolobus siliquosus* (L.) Roth, nom. illeg.) = *Tetragonolobus maritimus*

(*Tragacantha arnacantha* (M.Bieb.) Steven) = *Astracantha arnacantha*

(*Trifolium agrarium* L., nom. utique rej. prop.) = *Trifolium aureum*

**Trifolium alpestre** L.

**Trifolium ambiguum** M.Bieb.

**Trifolium angulatum** Waldst. & Kit.

**Trifolium angustifolium** L.

**Trifolium apterum** Bobrov

Note: A Caucasian species recently reported for Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

**Trifolium arvense** L.

**Trifolium aureum** Pollich

**Trifolium badium** Schreb.

**Trifolium bithynicum** Boiss. ~ *Trifolium medium* s.l.

Note: Reported from Crimea, Ai-Petri yaila (specimens checked by Y. Roskov).

**Trifolium bonnanii** C.Presl ~ *Trifolium fragiferum* aggr.

**Trifolium borysthenticum** Grun.

**Trifolium campestre** Schreb.

**Trifolium caucasicum** Tausch

**Trifolium diffusum** Ehrh.

**Trifolium dubium** Sibth.

**Trifolium echinatum** M.Bieb.

**Trifolium elegans** Savi ~ *Trifolium hybridum*

**Trifolium fragiferum** L.

(*Trifolium glareosum* Schleich.) = *Trifolium pallescens*

**Trifolium grandiflorum** Willd.

**Trifolium hirtum** All.

**Trifolium hybridum** L.

[*Trifolium hybridum* L. subsp. *elegans* (Savi) Asch. & Graebn.] = *Trifolium elegans*

**\*!Trifolium incarnatum** L.

**Trifolium lappaceum** L.

**Trifolium leucanthum** M.Bieb.

**?Trifolium litwinowii** Iljin

Note: Reported from Uman' (Cherkassy region); needs confirmation.

**Trifolium lupinaster** L.

**Trifolium medium** L.

**Trifolium molineri** Balb. ex Hornem.

**Trifolium montanum** L.

(*Trifolium neglectum* C.A.Mey.) = *Trifolium bonnanii*

**Trifolium ochroleucon** Huds.

[*Trifolium orbelicum* Velen.] = *Trifolium repens* subsp. *orbelicum*

**Trifolium pallescens** Schreb. ~ *Trifolium repens* s.l.

Note: Reported from Transcarpathia (see Y. Roskov, 1990, Bot. Zhurn. 75(9): 1311).

**Trifolium pannonicum** Jacq.

(*Trifolium parviflorum* Ehrh.) = *Trifolium retusum*

**Trifolium phleoides** Pourr.

**Trifolium pratense** L.

**Trifolium pratense** L. subsp. *kotulae* (Pawl.) Soják

Note: Reported for the Carpathians (see Tasenkevich, 1998); no localities cited.

[*Trifolium pratense* L. subsp. *sativum* (Schreb.) Schuebl. & G.Martens] = *Trifolium sativum*

(*Trifolium pratense* L. var. *sativum* Schreb.) = *Trifolium sativum*

(*Trifolium procumbens* L., nom. utique rej. prop.) = *Trifolium campestre*

**Trifolium repens** L.

**Trifolium repens** L. subsp. *orbelicum* (Velen.) Pawl.

Note: Reported for the Carpathians by K. Malynovsky (see Tasenkevich, 1998).

**Trifolium resupinatum** L.

**Trifolium retusum** L.

**Trifolium rubens** L.

**\*!Trifolium sativum** (Schreb.) Crome

**Trifolium scabrum** L.

**Trifolium spadiceum** L.

(*Trifolium speciosum* Willd.) = *Trifolium grandiflorum*

**Trifolium squamosum** L.

**Trifolium squarrosum** L.

(*Trifolium strepens* Crantz) = *Trifolium aureum*

**Trifolium striatum** L.

**Trifolium subterraneum** L.

(*Trifolium ucrainicum* Opperman ex Wissjul.) = *Trifolium arvense*

**Trifolium vesiculosum** Savi

**Trigonella balansae** Boiss. & Reuter

(*Trigonella besseriana* Ser.) ~ *Trigonella procumbens*

**\*!Trigonella caerulea** (L.) Ser.

**Trigonella calliceras** Fisch.

**Trigonella coerulescens** (M.Bieb.) Halacsy

[*Trigonella cretacea* (M.Bieb.) Taliev] = *Melilotoides cretacea*



*Trigonella fischerana* Ser.  
 \*! *Trigonella foenum-graecum* L.  
*Trigonella gladiata* Steven ex M.Bieb.  
*Trigonella monspeliaca* L.  
*Trigonella procumbens* (Besser) Rehb. ~ *Trigonella caerulea* s.l.  
*Trigonella smyrnea* Boiss. ~ *Trigonella strangulata* s.l.  
 Conservation status: RDBU (5).  
*Trigonella spicata* Sibth. & Smith  
*Trigonella spruneriana* Boiss.  
 { *Trigonella strangulata* auct. non Boiss. } = *Trigonella smyrnea* s.str.  
*Trigonella striata* L.f.  
 ( *Trigonella tenuis* Fisch. ex M.Bieb. ) = *Trigonella striata*  
 { *Trigonella tortulosa* auct. non Griseb. } = *Trigonella spruneriana*

\*! *Ulex europaeus* L. •

*[Vexibia alopecuroides (L.) Jakovl.]* = *Sophora alopecuroides*  
*[Vexibia alopecuroides (L.) Jakovl. subsp. jaubertii (Spach) Jakovl.]* = *Sophora alopecuroides* subsp. *jaubertii*

*Vicia amhicarpa* Dorthes

Note: See recent revision of *Vicia* in Ukraine (M. Fedoronchuk, 1997, Ukr. Bot. Zhurn. 53(5): 587-597).

*Vicia anatolica* Turrill  
*Vicia angustifolia* Reichard  
 ( *Vicia angustifolia* L., nom. nudum ) = *Vicia angustifolia*  
*Vicia biebersteinii* Besser ex M.Bieb. ~ *Vicia grandiflora* aggr.  
*Vicia biennis* L.  
*Vicia bithynica* (L.) L.  
*Vicia boissieri* Freyn  
*Vicia cassubica* L.  
*Vicia ciliatula* Lipsky  
*Vicia cordata* Wulfen ex Hoppe  
*Vicia cracca* L.  
 { *Vicia dalmatica* auct. non A.Kern. } = *Vicia heracleotica*  
 { *Vicia dasycarpa* auct. non Ten. } = *Vicia varia*  
*Vicia dumetorum* L.  
 { *Vicia elegans* auct. non Guss. } = *Vicia heracleotica*  
*Vicia ervilia* (L.) Willd.  
 \* *Vicia faba* L.  
 ( *Vicia glabrescens* (W.D.J.Koch) Heimerl ) = *Vicia varia*  
*Vicia grandiflora* Scop.  
 [ *Vicia grandiflora* Scop. subsp. *sordida* (Waldst. & Kit.) Döstál ] = *Vicia sordida*  
*Vicia heracleotica* Juz.  
*Vicia hirsuta* (L.) S.F.Gray

**Vicia hybrida** L.  
**Vicia incisa** M.Bieb.  
**Vicia lathyroides** L.  
 [Vicia lathyroides L. subsp. olbiensis (Reut. ex Timb.-Lagr.) Borza & Nyár.] = Vicia olbiensis  
 {Vicia laxiflora auct. non Brot.} = Vicia tenuissima  
 (Vicia litvinovii Boriss.) = Vicia loiseleurii  
**Vicia loiseleurii** (M.Bieb.) Litv.  
**Vicia lutea** L.  
 (Vicia meyeri Boiss.) = Vicia loiseleurii  
**Vicia narbonensis** L.  
**Vicia olbiensis** Reut. ex Timb.-Lagr.  
**Vicia pannonica** Crantz  
 [Vicia pannonica Crantz subsp. striata (M.Bieb.) Nyman] = Vicia striata  
**Vicia peregrina** L.  
 (Vicia picta Fisch. & C.A.Mey.) = Vicia biennis  
**Vicia pilosa** M.Bieb.  
**Vicia pisiformis** L.  
 (Vicia pubescens Link.) = Vicia loiseleurii  
**Vicia sativa** L.  
**Vicia segetalis** Thuill.  
**Vicia sepium** L.  
**Vicia sordida** Waldst. & Kit. – Vicia grandiflora aggr.  
**Vicia striata** M.Bieb.  
**Vicia sylvatica** L.  
**Vicia tenuifolia** Roth  
**Vicia tenuississima** (M.Bieb.) Schinz. & Thell.  
**Vicia tetrasperma** (L.) Schreb.  
**Vicia varia** Host  
**Vicia villosa** Roth  
 [Vicia villosa Roth subsp. varia (Host) Corb.] = Vicia varia

\***Vigna radiata** (L.) Wilczek  
 \***Vigna unguiculata** (L.) Walp.  
 (Vigna sinensis Endl.) = Vigna unguiculata

(Wisteria chinensis (Sims) Sweet, ortho) = Wisteria sinensis

\***Wisteria sinensis** (Sims) Sweet

Note: Wisteria floribunda (Willd.) DC., W. frutescens (L.) Poir., and W. venusta Rehder & E.H.Wilson are occasionally cultivated, mostly in southern parts of Ukraine, especially in Crimea.

(Xanthobrychis pallasii (Willd.) Galushko) – Onobrychis pallasii

(Xanthobrychis vassilczenkoi (Grossh.) Galushko) – Onobrychis vassilczenkoi

## **FAMILY Fagaceae**

**\*Castanea dentata** (Marshall) Borkh.

**\*!Castanea sativa** Mill.

Note: Reported as escaped in Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

(*Fagus castanea* L.) = *Castanea sativa*

**Fagus orientalis** Lipsky

**Fagus sylvatica** L.

[*Fagus sylvatica* L. subsp. *moesiaca* (Maly) Hjelm.] = *Fagus* × *taurica* ?

[*Fagus sylvatica* L. subsp. *orientalis* (Lipsky) Greuter & Burdet] = *Fagus orientalis*

*Fagus* × *taurica* Popl. = *Fagus orientalis* × *Fagus sylvatica*

Note: Taxonomic problems posed by the Crimean beech are still unresolved. The occurrence of *F. orientalis* s.str. in Crimea needs confirmation.

(*Quercus austriaca* Willd.) = *Quercus cerris*

(*Quercus borealis* Michx.) = *Quercus rubra*

{*Quercus calcarea* auct. non Gand.} = *Quercus daleschampii*

**Quercus cerris** L.

Conservation status: RDBU (1), as *Quercus austriaca*.

**\*Quercus coccinea** Moench

**Quercus dalechampii** Ten.

(*Quercus iberica* Steven var. *polycarpa* (Schur) Zohary) = *Quercus polycarpa*

**\*!Quercus ilex** L.

Note: Reported as a locally naturalized species in Crimea.

(*Quercus lanuginosa* Thuill.) = *Quercus pubescens*

**\*Quercus macranthera** Fisch. & C.A.Mey. ex Hohen.

**\*Quercus macrocarpa** Michx.

**\*!Quercus palustris** Moench

(*Quercus pedunculata* Ehrh.) = *Quercus robur*

**Quercus petraea** Liebl.

(*Quercus petraea* Liebl. subsp. *medwediewii* (A.Camus) Menitsky) = *Quercus daleschampii*

[*Quercus petraea* (Matt.) Liebl. subsp. *dalechampii* (Ten.) Soó] = *Quercus dalechampii*

[*Quercus petraea* (Matt.) Liebl. subsp. *polycarpa* (Schur) Soó] = *Quercus polycarpa*

**Quercus polycarpa** Schur = *Quercus petraea*

**Quercus pubescens** Willd., nom. cons. prop.

**Quercus robur** L.

**\*!Quercus rubra** L.

Note: A naturalized and rather invasive species, at least in some regions of Ukraine (Kiev, etc.).

(*Quercus sessiliflora* Salisb.) = *Quercus petraea*

(*Quercus sessilis* Ehrh.) = *Quercus petraea*

**\*Quercus suber** L.

Note: In addition to the taxa listed above, ca. 35-40 species of *Quercus* are cultivated in botanical gardens, arboreta and parks.

## **FAMILY Frankeniaceae**

### **Frankenia hirsuta** L.

(*Frankenia hispida* DC.) = *Frankenia hirsuta*

(*Frankenia intermedia* DC.) = *Frankenia hirsuta*

### **Frankenia pulverulenta** L.

Conservation status: IUCN RL (R).

## **FAMILY Fumariaceae**

{*Corydalis alba* auct. non (Mill.) Mansf } = *Corydalis capnoides*

(*Corydalis bulbosa* (L.) DC., nom. utique rej.) = *Corydalis solida*

(*Corydalis bulbosa* (L.) DC. subsp. *marschalliana* (Pers.) Chater, comb. inval.) = *Corydalis marschalliana*

*Corydalis capnoides* (L.) Pers.

*Corydalis cava* (L.) Schweigg. & Körte

(*Corydalis cava* (L.) Schweigg. & Körte subsp. *marschalliana* (Pall. ex Willd) Hayek) = *Corydalis marschalliana*

(*Corydalis fabacea* Pers., nom. illeg.) = *Corydalis intermedia*

(*Corydalis halleri* (Willd.) Willd.) = *Corydalis solida*

*Corydalis intermedia* (L.) Mérat

*Corydalis lutea* (L.) DC. in Lam. & DC.

Note: Recently reported for the Carpathians by Y. Pekar (1996, Naukov. Visnyk Uzhgorod. Univ., Ser. Biol. 3: 24-26); no data on distribution available

*Corydalis marschalliana* (Pall. ex Willd.) Pers.

*Corydalis paczoskii* N. Busch

*Corydalis pumila* (Host) Rechb.

Note: Reported for the Carpathians by Y. Pekar (1996, l.c.); no distribution data provided.

*Corydalis solida* (L.) Clairv.

**\**Dicentra spectabilis* (L.) Lem.**

(*Fumaria anatolica* Boiss.) = *Fumaria kralikii*

(*Fumaria alba* Mill.) = *Corydalis capnoides*

(*Fumaria bulbosa* L., nom. utique rej.) = *Corydalis solida*

(*Fumaria bulbosa* L. var. *cava* L.) = *Corydalis cava*

(*Fumaria bulbosa* L. var. *intermedia* L.) = *Corydalis intermedia*

(*Fumaria bulbosa* L. var. *solida* L.) = *Corydalis solida*

(*Fumaria cava* (L.) Mill.) = *Corydalis cava*

(*Fumaria fabacea* Retz., nom. illeg.) = *Corydalis intermedia*

(*Fumaria halleri* Willd.) = *Corydalis solida*

(*Fumaria intermedia* (L.) Ehrh.) = *Corydalis intermedia*

***Fumaria kralikii* Jord.**

(*Fumaria marschalliana* Pall., nom. nud.) = *Corydalis marschalliana*

(*Fumaria marschalliana* Pall. ex Willd.) = *Corydalis marschalliana*

***Fumaria officinalis* L.**

***Fumaria parviflora* Lam.**

(*Fumaria pumila* Host) = *Corydalis pumila*

***Fumaria rostellata* Knaf**

***Fumaria schleicheri* Soy.-Willem.**

(*Fumaria solida* (L.) Mill.) = *Corydalis solida*

***Fumaria vaillantii* Loisel.**

(*Pistolochia cava* (L.) Bernh.) = *Corydalis cava*

(*Pistolochia intermedia* (L.) Bernh.) = *Coridalis intermedia*

(*Pistolochia paczoskii* (N.Busch) Soják) = *Corydalis paczoskii*

(*Pistolochia bulbosa* (L.) Soják) = *Corydalis bulbosa*

(*Pistolochia solida* (L.) Bernh.) = *Coridalis bulbosa*

(*Pistolochia bulbosa* (L.) Soják subsp. *marschalliana* (Pall.) Soják, comb. inval.) =  
*Corydalis marschalliana*

(*Pistolochia marschalliana* (Pall.) Holub) = *Corydalis marschalliana*

[*Pseudofumaria lutea* (L.) Borkh.] = *Corydalis lutea*

## **FAMILY Gentianaceae**

***Blackstonia acuminata* (W.D.J.Koch & Ziz) Domin**

***Blackstonia perfoliata* (L.) Huds.**

(*Calathiana nivalis* (L.) Delarbre) = *Gentiana nivalis*

(*Calathiana verna* (L.) Holub) = *Gentiana verna*

***Centaurium anatolicum* (K.Koch) Tzvelev**

***Centaurium erythraea* Rafn**

(*Centaurium erythraea* Rafn subsp. *austriacum* (Ronn) Holub) = *Centaurium erythraea*

?***Centaurium erythraea* Rafn subsp. *ruthenicum* (Velen.) Melderis**

(*Centaurium erythraea* Rafn subsp. *turcicum* (Velen.) Melderis) = *Centaurium anatolicum*

***Centaurium littorale* (D.Turner) Gilmour**

(*Centaurium littorale* (D.Turner) Gilmour subsp. *uliginosum* (Waldst. & Kit.) Rothm. ex  
Melderis) = *Centaurium uliginosum*

***Centaurium meyeri* (Bunge) Druce**

(*Centaurium minus* Moench, nom. utique rej.) = *Centaurium littorale*

{*Centaurium minus* auct. non Moench} = *Centaurium erythraea*

(*Centaurium minus* Moench subsp. *austriacum* (Ronniger) O.Schwarz) = *Centaurium  
erythraea*

(*Centaurium minus* Moench subsp. *turcicum* (Velen.) Soó) = *Centaurium anatolicum*

***Centaurium pulchellum* (Sw.) Druce**

[*Centaurium pulchellum* (Sw.) Druce subsp. *meyeri* (Bunge) Tzvelev] = *Centaurium  
meyeri*

**Centaurium spicatum** (L.) Fritsch

**Centaurium tenuiflorum** (Hoffm. & Link) Fritsch

(*Centaurium turcicum* (Velen.) Bornm.) = *Centaurium anatolicum*

**Centaurium uliginosum** (Waldst. & Kit.) G.Beck ex Ronniger

(*Centaurium vulgare* Rafn, nom. illeg.) = *Centaurium littorale*

(*Centaurium vulgare* Rafn subsp. *uliginosum* (Waldst. & Kit.) Soó) = *Centaurium uliginosum*

(*Dasystephana asclepiadea* (L.) Borkh.) = *Gentiana asclepiadea*

(*Dasystephana pneumonanthe* (L.) Soják) = *Gentiana pneumonanthe*

(*Ericoila acaulis* (L.) A.Löve & D.Löve) = *Gentiana acaulis*

**Gentiana acaulis** L.

Conservation status: RDBU (1).

[*Gentiana amarella* L.] = *Gentianella amarella*

**Gentiana asclepiadea** L.

(*Gentiana axillaris* (F.W.Schmidt) Rechb.) = *Gentianella amarella*

(*Gentiana bucovinensis* Herbach) = *Gentiana utriculosa*

(*Gentiana carpatica* Wettst., nom. illeg.) = *Gentianella carpatica*

(*Gentiana carpaticola* Borbás) = *Gentianella carpatica*

[*Gentiana ciliata* L.] = *Gentianopsis ciliata*

**Gentiana elusii** Perrier & Sonjeon

**Gentiana cruciata** L.

(*Gentiana excisa* C.Presl) = *Gentiana acaulis*

?*Gentiana* × *doerfleri* Ronniger = *Gentiana lutea* × *Gentiana punctata*

?*Gentiana frigida* Haenke

Note: Reported for the Carpathians; needs confirmation.

**Gentiana laciniata** Kit. ex Kanitz

Conservation status: RDBU (1).

[*Gentiana lingulata* Agardh] = *Gentianella lingulata*

**Gentiana lutea** L.

Conservation status: RDBU (2).

[*Gentiana lutescens* Velen.] = *Gentianella lutescens*

**Gentiana nivalis** L.

Note: Reported for the Carpathians; needs confirmation.

**Gentiana pneumonanthe** L.

{*Gentiana praecox* auct. non A.Kern. & J.Kern.} = *Gentianella lutescens*

**Gentiana punctata** L.

Conservation status: RDBU (2).

{*Gentiana pyrenaica* auct. non L.} = *Gentiana laciniata*

**Gentiana utriculosa** L.

Note: Reported for the Carpathians; recently confirmed.

**Gentiana verna** L.

Conservation status: RDBU (1).

**Gentianella amarella** (L.) Börner

[*Gentianella amarella* (L.) Börner subsp. *lingulata* (Agardh) Holub] = *Gentianella lingulata*

(*Gentianella axillaris* (F.W.Schmidt) A.Löve & D.Löve) = *Gentianella amarella*

**Gentianella carpatica** Börner

(*Gentianella ciliata* (L.) Borkh.) = *Gentianopsis ciliata*

**Gentianella lingulata** (Agardh) Pritchard

**Gentianella lutescens** (Velen.) Holub

(*Gentianella lutescens* (Velen.) Holub subsp. *carpatica* Holub) = *Gentianella carpatica*

**Gentianopsis ciliata** (L.) Ma Yu-Chuan

**Swertia alpestris** Baumg.

Conservation status: RDBU (I).

**Swertia perennis** L.

Conservation status: RDBU (I).

[*Swertia perennis* L. subsp. *alpestris* (Baumg.) Domin & Podp.] = *Swertia alpestris*

**Swertia punctata** Baumg.

## **FAMILY Geraniaceae**

**Erodium beketowii** Schmalh.

Conservation status: RDBU (I); IUCN RL (E); ERL (I).

**Erodium cyconium** (L.) L'Her.

**Erodium cyconioides** Tzvelev

**Erodium cicutarium** (L.) L'Her.

(*Erodium hoefftianum* C.A.Mey.) = *Erodium neilreichii*

**Erodium malacoides** (L.) L'Her.

(*Erodium multicaule* Link) = *Erodium ruthenicum*

**Erodium neilreichii** Janka

**Erodium ruthenicum** M.Bieb.

(*Erodium serotinum* Steven) = *Erodium ruthenicum*

**Geranium alpestre** Schur

**Geranium asphodeloides** Burm.f.

**Geranium bohemicum** L.

(*Geranium cicutarium* L.) = *Erodium cicutarium*

**Geranium collinum** Stephan

**Geranium columbinum** L.

(*Geranium cyconium* L.) = *Erodium cyconium*

**Geranium dissectum** L.

**Geranium divaricatum** Ehrh.

**Geranium linearilobum** DC.

(*Geranium londesii* Fisch. ex Link) = *Geranium collinum*

**Geranium lucidum** L.

- \*!Geranium macrorrhizum** L.  
**Geranium macrostylum** Boiss.  
 (Geranium malacoides L.) = Erodium malacoides  
**Geranium molle** L.  
**Geranium nepalense** Sweet  
**Geranium palustre** L.  
**Geranium phaeum** L.  
**Geranium pratense** L.  
**Geranium purpureum** Vill.  
**Geranium pusillum** L.  
**Geranium pyrenaicum** Burm.f.  
**Geranium robertianum** L.  
 (Geranium robertianum L. var. purpureum (Vill.) DC.) = Geranium purpureum  
 [Geranium robertianum L. subsp. purpureum (Vill.) Schmalh.] = Geranium purpureum  
**Geranium rotundifolium** L.  
**Geranium sanguineum** L.  
**Geranium sibiricum** L.  
**Geranium sibiricum** L. subsp. *popovii* Tzvelev  
**Geranium sylvaticum** L.  
 [Geranium sylvaticum L. subsp. alpestre (Schur) Domin & Podp.] = Geranium alpestre  
 (Geranium tauricum Rupr.) = Geranium asphodeloides  
**Geranium tuberosum** L.  
 [Geranium tuberosum L. subsp. linearilobum (DC.) Schmalh.] = Geranium linearilobum  
**?Geranium uralense** Kuvajev = Geranium sylvaticum  
 Note: Geranium uralense (V. Kuvajev, 1990, Novitates Systematicae Plantarum  
 Vascularium (Leningrad) 27: 102-103) is very close to, or probably even  
 conspecific with, G. sylvaticum. Reported from Kremenets, W Ukraine (N. Tsvelev,  
 1996, Fl. Europae Orientalis 9: 376).
- \*Pelargonium radula** (Cav.) L'Her.  
**\*Pelargonium zonale** (L.) L'Her.

## **FAMILY Globulariaceae**

- Globularia trichosantha** Fisch. & C.A.Mey.  
 Conservation status: RDBU (3).  
 [Globularia vulgaris auct. non L.] = Globularia trichosantha

## **FAMILY Grossulariaceae**

- [Grossularia reclinata (L.) Mill.] = Grossularia uva-crispa subsp. reclinata  
**Grossularia uva-crispa** (L.) Mill.  
**\*!Grossularia uva-crispa** (L.) Mill. subsp. *reclinata* (L.) Dostál

## **Ribes alpinum** L. s.l.

Note: See also R. lucidum (most probably a synonym of R. alpinum)



(*Ribes alpinum* L. subsp. *lucidum* (Kit.) Pawl. nom. inval.) = *Ribes lucidum*

[*Ribes alpinum* L. subsp. *lucidum* (Kit.) Soják] = *Ribes lucidum*

\****Ribes aureum*** Pursh

***Ribes carpaticum*** Kit. ~ *Ribes petraeum*

(*Ribes domesticum* (Wallr.) Jancz.) = *Ribes rubrum*

(*Ribes grossularia* L.) = *Grossularia uva-crispa* s.l.

***Ribes lucidum*** Kit. ~ *Ribes alpinum*

***Ribes nigrum*** L.

\****Ribes odoratum*** Wendl.

***Ribes petraeum*** Wulfen s.l.

Note: See also *R. carpaticum*, which is probably conspecific with *R. petraeum*.

(*Ribes pubescens* (Hartmann) T.Hedl.) = *Ribes spicatum*

(*Ribes reclinatum* L.) = *Grossularia uva-crispa* subsp. *reclinata*

\****Ribes rubrum*** L.

\****Ribes sanguineum*** Pursh

Note: In addition to cultivated species mentioned above, ca. 15 species are cultivated in botanical gardens and parks.

(*Ribes sativum* Syme) = *Ribes rubrum*

(*Ribes sylvestre* (Lam.) Mert. & W.D.J.Koch) = *Ribes rubrum*

***Ribes spicatum*** Robson ~ *Ribes rubrum* aggr.

[*Ribes uva-crispa* L.] = *Grossularia uva-crispa*

(*Ribes vulgare* Lam. nom. illeg.) = *Ribes rubrum*

## **FAMILY (Guttiferae) = Clusiaceae**

### **FAMILY Haloragaceae**

***Myriophyllum alterniflorum*** DC.

(*Myriophyllum exalbescens* Fernald) = *Myriophyllum sibiricum*

***Myriophyllum sibiricum*** Kom.

***Myriophyllum spicatum*** L.

(*Myriophyllum spicatum* L. subsp. *exalbescens* (Fernald) Hultén) = *Myriophyllum sibiricum*

***Myriophyllum verticillatum*** L.

[*Myriophyllum verticillatum* L. subsp. *sibiricum* Kom.] = *Myriophyllum sibiricum*

### **FAMILY Hamamelidaceae**

\****Hamamelis japonica*** Siebold & Zucc.

\****Hamamelis virginiana*** L.

Note: Another North American species, *H. vernalis* Sarg., is infrequently cultivated in botanical gardens.

(*Liquidambar gummiifera* Salisb.) = *Liquidambar styraciflua*

\****Liquidambar styraciflua*** L.

\**Parrotia persica* (DC.) C.A.Mey.

## **FAMILY (Heliotropiaceae) = Boraginaceae**

## **FAMILY Hippocastanaceae**

\**Aesculus × carnea* Hayne = *Aesculus hippocastanum* × *Aesculus pavia*

\**Aesculus glabra* Willd.

\*!*Aesculus hippocastanum* L.

\**Aesculus × hybrida* DC. = *Aesculus octandra* × *Aesculus pavia*

\**Aesculus octandra* Marshall

\**Aesculus parviflora* Walter

\**Aesculus pavia* L.

Note: At least three other species were reported as rarely cultivated in botanical gardens and parks.

## **FAMILY Hippuridaceae**

*Hippuris vulgaris* L.

## **FAMILY Hydrangeaceae**

\**Deutzia scabra* Thunb.

Note: Several other species are cultivated in botanical gardens.

\**Hydrangea macrophylla* (Thunb.) Ser.

Note: Several other species are cultivated in botanical gardens and parks.

\**Philadelphus coronarius* L.

(*Philadelphus latifolius* Schrad. ex DC.) = *Philadelphus pubescens*

\**Philadelphus microphyllus* Gray

\**Philadelphus pubescens* Loisel.

\**Philadelphus tenuifolius* Rupr. & Maxim.

Note: Several other species are rarely cultivated in botanical gardens.

## **FAMILY Hydrophyllaceae**

\*!*Phacelia tanacetifolia* Benth.

## **FAMILY Hypecoaceae**

*Hypecoum pendulum* L.

*Hypecoum procumbens* L.

Note: A rare casual alien collected in 1994-1996 in Odessa (T. Vasilieva, in press).

## **FAMILY (Hypericaceae) = Clusiaceae**

## FAMILY Juglandaceae

(*Carya alba* (L.) K.Koch, nom. ambig.) = *Carya ovata*

\**Carya cordiformis* (Wangenh.) K.Koch

\**Carya glabra* (Mill.) Sweet

\**Carya illinoensis* (Wangenh.) K.Koch

Note: The most widespread species of *Carya* cultivated in Ukraine. Other species are grown mostly in botanical gardens and arboreta.

(*Carya illinoensis* (Wangenh.) K.Koch, ortho) = *Carya illinoensis*

\**Carya laciniata* (F.Michx.) Loudon

(*Carya ovalis* (Wangenh.) Sarg.) = *Carya glabra*

\**Carya ovata* (Mill.) K.Koch

(*Carya pecan* (Marshall) Engl. & Graebn.) = *Carya illinoensis*

(*Hicoria pecan* (Marshall) Britton) = *Carya illinoensis*

\**Juglans cinerea* L.

\**Juglans mandshurica* Maxim.

\**Juglans nigra* L.

\**Juglans regia* L.

Note: At least 6-7 other species of *Juglans* occur in botanical gardens, parks and arboreta.

(*Pterocarya fraxinifolia* (Poir.) Spach) = *Pterocarya pterocarpa*

\**Pterocarya pterocarpa* (Michx.) Kunth ex I.Iljinsk.

Note: Three other species of *Pterocarya* are cultivated in botanical gardens and arboreta.

## FAMILY Lamiaceae

*Acinos alpinus* (L.) Moench

(*Acinos alpinus* (L.) Moench subsp. *baumgartenii* (Simonk.) Pawl.) = *Acinos alpinus*

*Acinos arvensis* (Lam.) Dandy

(*Acinos arvensis* (Lam.) Dandy subsp. *eglandulosus* (Klokov) Pawl.) = *Acinos villosus*

(*Acinos arvensis* (Lam.) Dandy subsp. *villosus* (Pers.) Soják) = *Acinos villosus*

(*Acinos baumgartenii* (Simonk.) Klokov) = *Acinos alpinus*

(*Acinos eglandulosus* Klokov) = *Acinos villosus*

(*Acinos fominii* Des.-Shost.) = *Acinos rotundifolius*

(*Acinos graveolens* (M.Bieb.) Link) = *Acinos rotundifolius*

(*Acinos infectus* Klokov) = *Acinos rotundifolius*

*Acinos rotundifolius* Pers.

(*Acinos schizodontus* Klokov) = *Acinos arvensis*

(*Acinos subcrispus* Klokov) = *Acinos rotundifolius*

(*Acinos thymoides* Moench) = *Acinos arvensis*

*Acinos villosus* Pers.

(*Acinos vulgaris* Pers.) = *Acinos arven* = *Calamintha menthifolia*  
***Calamintha parviflora* Lam.**  
{*Calamintha sylvatica* auct. non Bromf.} = *Calamintha menthifolia*  
(*Calamintha vulgaris* (L.) Halacsy) = *Clinopodium vulgare* sis

***Ajuga chamaepitys* (L.) Schreb.**  
***Ajuga chia* Schreb.**  
{*Ajuga chia* auct. non Schreb.} = *Ajuga mollis*  
(*Ajuga chamaepitys* (L.) Schreb. subsp. *chia* (Schreb.) Arcang.) = *Ajuga chia*  
***Ajuga genevensis* L.**  
***Ajuga glabra* C.Presl ~ *Ajuga chia***  
***Ajuga laxmannii* (L.) Benth.**  
***Ajuga mollis* Gladkova ~ *Ajuga chia***  
***Ajuga orientalis* L.**  
(*Ajuga pseudochia* Des.-Shost.) = *Ajuga glabra*  
***Ajuga pyramidalis* L.**  
***Ajuga reptans* L.**  
***Ajuga salicifolia* (L.) Schreb.**

(*Ballota borealis* Schweigg.) = *Ballota nigra*  
(*Ballota foetida* Lam., nom. illeg.) = *Ballota nigra* subsp. *meridionalis*  
***Ballota nigra* L.**  
***Ballota nigra* L. subsp. *meridionalis* (Beg.) Beg.**  
(*Ballota nigra* L. subsp. *foetida* (Vis.) Hayek) = *Ballota nigra* subsp. *meridionalis*  
(*Ballota nigra* L. subsp. *ruderalis* (Sw.) Briq.) = *Ballota nigra*  
(*Ballota ruderalis* Sw.) = *Ballota nigra*  
***Ballota longicalyx* Klokov ~ *Ballota nigra***

(*Betonica brachyodonta* Klokov) = *Betonica officinalis*  
(*Betonica fusca* Klokov) = *Betonica officinalis*  
***Betonica officinalis* L.**  
(*Betonica peraucta* Klokov) = *Betonica officinalis*

(*Calamintha acinos* (L.) Clairv.) = *Acinos arvensis*  
(*Calamintha alpina* (L.) Lam.) = *Acinos alpinus*  
(*Calamintha arvensis* Lam.) = *Acinos arvensis*  
(*Calamintha clinopodium* Benth.) = *Clinopodium vulgare*  
***Calamintha grandiflora* (L.) Moench**  
(*Calamintha largiflora* Klokov) = *Calamintha nepeta*  
(*Calamintha macra* Klokov) = *Calamintha parviflora*  
***Calamintha menthifolia* Host**  
***Calamintha nepeta* (L.) Savi**  
(*Calamintha nepeta* (L.) Savi subsp. *glandulosa* (Req.) P.W.Ball) = *Calamintha parviflora*  
{*Calamintha officinalis* auct. non Moench} = *Calamintha menthifolia*  
***Calamintha parviflora* Lam.**  
{*Calamintha sylvatica* auct. non Bromf.} = *Calamintha menthifolia*  
(*Calamintha vulgaris* (L.) Halacsy) = *Clinopodium vulgare*

**Chaiturus marrubiastrum** (L.) Rehb.

(*Chamaepitys chia* (Schreb.) Holub) = *Ajuga chia*

(*Chamaepitys glabra* (C.Presl) Holub) = *Ajuga glabra*

(*Chamaepitys mollis* (Gladkova) Holub) = *Ajuga mollis*

**Clinopodium vulgare** L.

(*Dalanum ladanum* (L.) Dostál) = *Galeopsis ladanum*

**Dracocephalum austriacum** L.

Conservation status: RDBU (3).

\*!**Dracocephalum moldavica** L.

**Dracocephalum ruyschiana** L.

**Dracocephalum thymiflorum** L.

**Elsholtzia ciliata** (Thunb.) Hyl.

Note: Often misspelt as "Elscholtzia".

(*Elsholtzia patrinii* (Lepech.) Gareke) = *Elsholtzia ciliata*

[*Galeobdolon luteum* Huds.] = *Lamium galeobdolon*

[*Galeobdolon luteum* Huds. subsp. *montanum* (Pers.) R.Mill] = *Lamium montanum*

[*Galeobdolon montanum* (Pers.) Rehb.] = *Lamium montanum*

**Galeopsis bifida** Boenn.

(*Galeopsis flavescens* Borbás) = *Galeopsis speciosa*

(*Galeopsis galeobdolon* L.) = *Lamium galeobdolon*

(*Galeopsis intermedia* Vill.) = *Galeopsis ladanum*

**Galeopsis ladanum** L.

(*Galeopsis neglecta* Schult.) = *Galeopsis tetrahit*

**Galeopsis pubescens** Besser

**Galeopsis speciosa** Mill.

**Galeopsis tetrahit** L.

(*Galeopsis tetrahit* L. subsp. *bifida* (Boenn.) Fr.) = *Galeopsis bifida*

(*Galeopsis versicolor* Curtis, non Spenner) = *Galeopsis speciosa*

(*Galeopsis versicolor* Spenner) = *Galeopsis pubescens*

**Glechoma hederacea** L.

**Glechoma hirsuta** Waldst. & Kit.

**Glechoma** × **pannonica** Borbás = *Glechoma hederacea* × *Glechoma hirsuta*

**Hyssopus cretaceus** Dubjan.

Conservation status: RDBU (3); ERL (1).

\*!**Hyssopus officinalis** L.

\*!**Lallemantia iberica** (M.Bieb.) Fisch. & C.A.Mey.

(*Lamiastrum galeobdolon* (L.) Ehrend. & Polatschek) = *Lamium galeobdolon*  
(*Lamiastrum galeobdolon* (L.) Ehrend. & Polatschek subsp. *montanum* (Pers.) Ehrend. & Polatschek) = *Lamium montanum*  
(*Lamiastrum montanum* (Pers.) Ehrend.) = *Lamium montanum*

(*Lamiopsis amplexicaulis* (L.) Opiz) = *Lamium amplexicaule*

***Lamium album* L.**

***Lamium amplexicaule* L.**

***Lamium cupreum* Schott** ~ *Lamium maculatum*

(*Lamium dumeticola* Klokov) = *Lamium album*

***Lamium galeobdolon* (L.) L.**

Note: The *Lamium galeobdolon* aggregate is a polyploid complex represented by several "narrow" species or subspecies; distribution of these taxa in Ukraine is insufficiently known.

[*Lamium galeobdolon* (L.) L. subsp. *montanum* (Pers.) Hayek] = *Lamium montanum*

***Lamium glaberrimum* (K.Koch) Taliev**

Conservation status: RDBU (4); IUCN RL (R); ERL (R).

{*Lamium laevigatum* auct. non L.} = *Lamium maculatum*

(*Lamium luteum* (Huds.) Krock.) = *Lamium galeobdolon*

***Lamium maculatum* (L.) L.**

[*Lamium maculatum* (L.) L. subsp. *cupreum* (Schott) Hadač] = *Lamium cupreum*

***Lamium montanum* (Pers.) Hoffm. ex Kabath** ~ *Lamium galeobdolon* s.l.

?***Lamium orvala* L.**

Note: Old records of this species from Ukraine need confirmation.

***Lamium paczoskianum* Worosch.**

(*Lamium paczoskianum* Worosch. subsp. *orientale* (Pacz.) P.W. Ball) = *Lamium paczoskianum*

***Lamium purpureum* L.**

(*Lamium stepposum* Kossko ex Klokov) = *Lamium amplexicaule*

**\*!*Lavandula angustifolia* Mill.**

Note: Reported as escaped in Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

(*Lavandula spica* L., nom. ambig.) = *Lavandula angustifolia*

(*Lavandula vera* DC.) = *Lavandula angustifolia*

(*Leonurus canescens* Dumort.) = *Leonurus villosus*

***Leonurus cardiaca* L.**

[*Leonurus cardiaca* L. subsp. *villosus* (Desf. ex D'Urv.) HyL.] = *Leonurus villosus*

***Leonurus glaucescens* Bunge**

[*Leonurus marrubiastrum* L.] = *Chaiturus marrubiastrum*

(*Leonurus neglectus* Schrank) = *Leonurus villosus*

(*Leonurus quinquelobatus* Gilib. ex Usteri, nom. illeg.) = *Leonurus villosus*

***Leonurus villosus* Desf. ex D'Urv.**

**Lycopus europaeus** L.

**Lycopus exaltatus** L.f.

**\*Majorana hortensis** Moench

(**Marrubium cive** Klokov) = **Marrubium peregrinum**

**?Marrubium leonuroides** Desr.

Note: Reported from Crimea (mislabelled specimens ?); needs confirmation.

**Marrubium peregrinum** L.

{**Marrubium pestalozzae** auct. non Boiss.} = **Marrubium praecox**

**Marrubium praecox** Janka

**Marrubium vulgare** L.

**Melissa altissima** Sibth. & Smith = **Melissa officinalis**

(**Melissa bicornis** Klokov) = **Melissa altissima**

(**Melissa grandiflora** L.) = **Calamintha grandiflora**

**\*!Melissa officinalis** L.

[**Melissa officinalis** L. subsp. **altissima** (Sibth. & Smith) Arcang.] = **Melissa altissima**

**Melittis carpatica** Klokov = **Melittis melissophyllum** aggr.

(**Melittis carpatica** Klokov var. **sarmatica** (Klokov) Soó) = **Melittis sarmatica**

{**Melittis melissophyllum** auct. non L.} = **Melittis carpatica** & **Melittis sarmatica**

[**Melittis melissophyllum** L. subsp. **carpatica** (Klokov) P.W.Ball] = **Melittis carpatica**

(**Melittis melissophyllum** L. var. **carpatica** (Klokov) Soó & Borsos) = **Melittis carpatica**

[**Melittis melissophyllum** L. subsp. **sarmatica** (Klokov) Gladkova] = **Melittis sarmatica**

(**Melittis melissophyllum** L. var. **sarmatica** (Klokov) Soó & Borsos) = **Melittis sarmatica**

**Melittis sarmatica** Klokov = **Melittis melissophyllum** aggr.

**Mentha aquatica** L.

**Mentha arvensis** L.

(**Mentha crispa** L. p.p.) = **Mentha** × **piperita** & **Mentha spicata**

**Mentha** × **dalmatica** Tausch = **Mentha arvensis** × **Mentha longifolia**

**Mentha** × **dumetorum** Schult. = **Mentha aquatica** × **Mentha longifolia**

(**Mentha gentilis** L.) = **Mentha arvensis**

{**Mentha gentilis** auct. non L.} = **Mentha** × **dalmatica**

**\*Mentha** × **gracilis** Sole = **Mentha arvensis** × **Mentha spicata**

**Mentha longifolia** (L.) Huds.

**Mentha micrantha** (Fisch. & Benth.) Litv.

(**Mentha** × **niliaca** Juss. ex Jacq.) = **Mentha** × **rotundifolia**

**\*!Mentha** × **piperita** L. = **Mentha aquatica** × **Mentha spicata**

**Mentha pulegium** L.

**\*Mentha** × **rotundifolia** (L.) Huds. = **Mentha longifolia** × **Mentha suaveolens**

{**Mentha** × **rotundifolia** auct. non (L.) Huds.} = **Mentha suaveolens**

**\*!Mentha spicata** L.

**\*Mentha suaveolens** Ehrh.

**\*Mentha ucrainica** Klokov ~ *Mentha aquatica*  
**Mentha × verticillata** L. = *Mentha aquatica* × *Mentha arvensis*  
(*Mentha viridis* (L.) L.) = *Mentha spicata*

**Micromeria serpyllifolia** (M.Bieb.) Boiss.

Conservation status: RDBU (I); IUCN RL (R); ERL (R).

[*Micromeria fruticosa* (L.) Druce subsp. *serpyllifolia* (M.Bieb.) P.H.Davis] = *Micromeria serpyllifolia*

**\*!Molucella laevis** L.

**Nepeta cataria** L.

**Nepeta grandiflora** M.Bieb.

(*Nepeta nuda* L.) = *Nepeta pannonica*

**Nepeta pannonica** L.

**Nepeta parviflora** M.Bieb.

[*Nepeta serpyllifolia* M.Bieb.] = *Micromeria serpyllifolia*

{*Nepeta ucrainica* auct. non L.} = *Nepeta parviflora*

(*Nepeta ucrainica* L. subsp. *parviflora* (M.Bieb.) M.Masclans de Bološ) = *Nepeta parviflora*

**\*Ocimum basilicum** L.

**\*Ocimum canum** Sims.

(*Origanum dilatatum* Klokov) = *Origanum vulgare*

(*Origanum puberulum* (G.Beck) Klokov) = *Origanum vulgare*

**Origanum vulgare** L.

**\*Perilla frutescens** (L.) Britt.

[*Perilla frutescens* (L.) Britt. var. *nankinensis* (Lour.) Britt.] = *Perilla nankinensis*

**\*Perilla nankinensis** (Lour.) Decne

(*Perilla ocimoides* L., nom. illeg.) = *Perilla frutescens*

(*Phleboanthe laxmannii* (L.) Tausch) = *Ajuga laxmannii*

**\*!Phlomis fruticosa** L.

Note: Naturalized in Crimea.

**Phlomis glandulifera** Klokov ~ *Phlomis tuberosa*

**Phlomis hybrida** Zelen.

Conservation status: ERL (I).

(*Phlomis hypanica* Des.-Shost.) = *Phlomis hybrida*

**Phlomis jailicola** Klokov ~ *Phlomis tuberosa*

(*Phlomis maeotica* Des.-Shost.) = *Phlomis hybrida*

**Phlomis piskunovii** Klokov ~ *Phlomis tuberosa*

**Phlomis pungens** Willd.

(*Phlomis pungens* Willd. subsp. *krynensis* Klokov & Des.-Shost.) = *Phlomis pungens*



**Phlomis scythica** Klokov & Des.-Shost. = *Phlomis tuberosa*

Conservation status: ERL (R).

**Phlomis stepposa** Klokov = *Phlomis tuberosa*

**Phlomis taurica** Hartwiss & Bunge

**Phlomis tuberosa** L.

Note: Several "microspecies" have been described from Ukraine; their taxonomic status as separate species is doubtful.

[*Phlomoides hybrida* (Zelen.) R.Kam. & Machmedov] = *Phlomis hybrida*

[*Phlomoides scythica* (Klokov & Des.-Shost.) Czerep.] = *Phlomis scythica*

[*Phlomoides tuberosa* (L.) Moench] = *Phlomis tuberosa*

**Prunella grandiflora** (L.) Scholl.

**Prunella × intermedia** Link. = *Prunella laciniata* × *Prunella vulgaris*

**Prunella laciniata** (L.) L.

**Prunella vulgaris** L.

(*Pulegium vulgare* Mill.) = *Mentha pulegium*

**\*Rosmarinum officinalis** L.

(*Ruyschiana laciniata* Mill.) = *Dracocephalum austriacum*

(*Ruyschiana spicata* Mill.) = *Dracocephalum ruyschianum*

**Salvia adenostachya** Juz. = *Salvia scabiosifolia*

**Salvia aethiopis** L.

**Salvia austriaca** Jacq.

**Salvia betonicaefolia** Etl.

(*Salvia brachystemon* Klokov) = *Salvia tomentosa*

(*Salvia campestris* M.Bieb.) = *Salvia sibthorpiae*

(*Salvia cernua* Besser) = *Salvia betonicaefolia*

**Salvia cremencensis** Besser

Conservation status: RDBU (I); ERL (R).

**Salvia demetrii** Juz. = *Salvia scabiosifolia*

**Salvia dumetorum** Andrz.

{*Salvia dumetorum* auct. non Andrz.} = *Salvia stepposa*

(*Salvia extensa* Klokov) = *Salvia sibthorpiae*

**Salvia glutinosa** L.

(*Salvia grandiflora* Etl.) = *Salvia tomentosa*

(*Salvia habitziana* Pall. ex Willd.) = *Salvia scabiosifolia*

(*Salvia horminoides* Pourr.) = *Salvia verbenaca*

(*Salvia horminum* L.) = *Salvia viridis*

**Salvia illuminata** Klokov = *Salvia nemorosa* aggr.

(*Salvia jalicola* Klokov) = *Salvia nemorosa*

(*Salvia moldavica* Klokov) = *Salvia nemorosa*

**Salvia nemorosa L. aggr.**

Note: The *Salvia nemorosa* aggregate is very polymorphic and represented in Ukraine by several intergrading races and forms. Their rational taxonomic placement (as separate species or infraspecific taxa) is still problematic.

[*Salvia nemorosa* L. subsp. *illuminata* (Klokov) Soó] = *Salvia illuminata*

(*Salvia nemorosa* L. subsp. *jailicola* (Klokov) Soó) = *Salvia nemorosa*

(*Salvia nemorosa* L. subsp. *moldavica* (Klokov) Soó) = *Salvia nemorosa*

(*Salvia nemorosa* L. subsp. *praemontana* (Klokov) Soó) = *Salvia tesquicola*

[*Salvia nemorosa* L. subsp. *tesquicola* (Klokov & Pobed.) Soó] = *Salvia tesquicola*

*Salvia nutans* L.

*Salvia officinalis* L.

*Salvia* × *pendula* Vahl. = *Salvia nemorosa* × *Salvia nutans* (or *Salvia pratensis* ?)

*Salvia* × *podolica* Blocki = *Salvia nemorosa* × *Salvia nutans*

(*Salvia praemontana* Klokov) = *Salvia tesquicola*

*Salvia pratensis* L.

*Salvia reflexa* Hornem.

(*Salvia rhodantha* Zefir.) = *Salvia verbenaca*

*Salvia scabiosifolia* Lam.

Conservation status: IUCN RL (R); ERL (I).

*Salvia sclarea* L.

*Salvia sibthorpii* Smith

\**Salvia splendens* Ker Gawl.

*Salvia stepposa* Des.-Shost.

*Salvia tesquicola* Klokov & Pobed. ~ *Salvia nemorosa* aggr.

*Salvia tomentosa* Mill.

*Salvia verbenaca* L.

*Salvia verticillata* L.

*Salvia virgata* Jacq.

{*Salvia virgata* auct. non Jacq.} = *Salvia sibthorpii*

*Salvia viridis* L.

\*!*Satureja hortensis* L.

[*Satureja montana* L. subsp. *taurica* (Velen.) P.W.Ball] = *Satureja taurica*

*Satureja taurica* Velen.

*Scutellaria albida* L.

(*Scutellaria alpina* L. subsp. *supina* (L.) I.B.K.Richardson) = *Scutellaria supina*

*Scutellaria altissima* L.

*Scutellaria cretica* Juz. ~ *Scutellaria supina*

Conservation status: RDBU (2).

*Scutellaria dubia* Taliev & Širj.

*Scutellaria galericulata* L.

*Scutellaria hastifolia* L.

{*Scutellaria hastifolia* auct. non L.} = *Scutellaria dubia*

*Scutellaria heterochroa* Juz. = *Scutellaria orientalis* s.l.

**Scutellaria hirtella** Juz. ~ *Scutellaria orientalis* s.l.  
**Scutellaria hypopolia** Juz. ~ *Scutellaria orientalis* s.l.  
**Scutellaria orientalis** L. aggr.

Note: Five narrow, presumably endemic species have been described from Crimea by Juzepchuk (1939, 1951). Most probably, they represent local varieties of *S. orientalis* and do not deserve recognition even as subspecies.

[*Scutellaria orientalis* L. subsp. *heterochroa* (Juz.) Fed.] = *Scutellaria heterochroa*  
[*Scutellaria orientalis* L. subsp. *hirtella* (Juz.) Fed.] = *Scutellaria hirtella*  
[*Scutellaria orientalis* L. subsp. *hypopolia* (Juz.) Fed.] = *Scutellaria hypopolia*  
[*Scutellaria orientalis* L. subsp. *stevenii* (Juz.) Fed.] = *Scutellaria stevenii*  
[*Scutellaria orientalis* L. subsp. *taurica* (Juz.) Fed.] = *Scutellaria taurica*  
(*Scutellaria pallida* M.Bieb.) = *Scutellaria albida*

**Scutellaria stevenii** Juz. ~ *Scutellaria orientalis* s.l.  
(*Scutellaria subalbida* Klokov) = *Scutellaria albida*

**Scutellaria supina** L. aggr.

Note: *Scutellaria verna* and *S. cretica* are members of this aggregate and are probably better treated as infraspecific entities.

**Scutellaria taurica** Juz. ~ *Scutellaria orientalis* s.l.

**Scutellaria verna** Besser ~ *Scutellaria supina*

Conservation status: RDBU (3).

**Scutellaria woronowii** Juz.

**Sideritis ajpetriana** Klokov ~ *Sideritis taurica*

**Sideritis atrinervia** Klokov ~ *Sideritis taurica*

{*Sideritis brutia* auct. non Ten.} = *Sideritis catillaris* aggr.

Note: *Sideritis brutia* (incl. *S. catillaris*, *S. conferta*, and *S. imbrex*) was reported for Crimea by N.G. Glagoleva (see Prokudin & al., 1987); she also submerged *S. taurica* into *S. libanotica*. Most probably there are only two distinct entities (species or subspecies) of this group occurring in Crimea.

**Sideritis catillaris** Juz.

**Sideritis chlorostegia** Juz. ~ *Sideritis taurica*

**Sideritis comosa** (Rochel ex Benth.) Stank.

**Sideritis conferta** Juz. ~ *Sideritis catillaris*

**Sideritis imbrex** Juz. ~ *Sideritis catillaris*

(*Sideritis libanotica* Labill. subsp. *taurica* (Stephan) Glagoleva, nom. inval.) = *Sideritis taurica*

**Sideritis marschalliana** Juz. ~ *Sideritis taurica*

**Sideritis montana** L.

[*Sideritis montana* L. subsp. *comosa* (Rochel ex Benth.) Soó] = *Sideritis comosa*

(*Sideritis scythica* Juz.) = *Sideritis taurica*

[*Sideritis syriaca* L. subsp. *catillaris* (Juz.) Gladkova] = *Sideritis catillaris*

[*Sideritis syriaca* L. subsp. *taurica* (Stephan) Gladkova] = *Sideritis taurica*

**Sideritis taurica** Stephan aggr.

(*Stachys acanthodonta* Klokov) = *Stachys atherocalyx*

**Stachys alpina** L.

**Stachys angustifolia** M.Bieb.

**Stachys annua** (L.) L.

(*Stachys argentea* Tausch) = *Stachys germanica*

?**Stachys aspera** Michx.

Note: Records of this alien species from SE Ukraine (see Kondratyuk, Burda & Ostapko, 1985) need confirmation.

**Stachys atherocalyx** K.Koch

(*Stachys betonica* Benth.) = *Betonica officinalis*

\***Stachys byzantina** K.Koch

(*Stachys chinensis* Bunge ex Benth.) = *Stachys aspera*

(*Stachys cordata* Klokov) = *Stachys germanica*

{*Stachys cretica* auct. non L.} = *Stachys velata*

(*Stachys cretica* L. subsp. *velata* (Klokov) Greuter & Burdet) = *Stachys velata*

(*Stachys czernjaëvii* Des.-Shost.) = *Stachys recta*

**Stachys germanica** L.

(*Stachys germanica* L. subsp. *cordata* (Klokov) Greuter & Burdet) = *Stachys germanica*

(*Stachys heterodonta* Zefir.) = *Stachys germanica*

**Stachys iberica** M.Bieb.

(*Stachys krynkensis* Kotov) = *Stachys recta*

(*Stachys lanata* Crantz) = *Stachys germanica*

(*Stachys lanata* Jacq.) = *Stachys byzantina*

(*Stachys maeotica* Postr.) = *Stachys palustris*

(*Stachys memorabilis* Klokov) = *Stachys iberica*

(*Stachys neglecta* Klokov ex Kossko, nom. inval.) = *Stachys annua*

[*Stachys officinalis* (L.) Trevis.] = *Betonica officinalis*

(*Stachys olympica* Poir.) = *Stachys byzantina*

**Stachys palustris** L.

**Stachys pubescens** Ten.

**Stachys recta** L.

[*Stachys recta* L. subsp. *atherocalyx* (K.Koch) Derviz-Sokolova] = *Stachys atherocalyx*

**Stachys sylvatica** L.

(*Stachys taurica* Zefir.) = *Stachys byzantina*

(*Stachys transsilvanica* Schur) = *Stachys recta*

**Stachys velata** Klokov

?**Teucrium botrys** L.

Note: Reported for the Ukrainian Carpathians (Fl.Ukr. 1960, 9: 25).

**Teucrium chamaedrys** L.

**Teucrium cretaceum** Kotov ~ *Teucrium jailae*

**Teucrium fageturnum** Klokov ~ *Teucrium krymense*

**Teucrium fischeri** Juz. ~ *Teucrium krymense*

**Teucrium jailae** Juz. ~ *Teucrium montanum*

**Teucrium krymense** Juz.

**Teucrium montanum** L.

(Teucrium montanum L. subsp. jailae (Juz.) Soó) = Teucrium jailae  
 (Teucrium montanum L. subsp. pannonicum (A.Kern.) Domin) = Teucrium pannonicum  
 (Teucrium montanum L. subsp. praemontanum (Klokov) S.Pawłowska) = Teucrium montanum  
 (Teucrium officinale Lam.) = Teucrium chamaedrys  
 (Teucrium palustre Lam.) = Teucrium scordium  
**Teucrium pannonicum** A.Kern. ~ Teucrium montanum  
**Teucrium polium** L.  
 (Teucrium praemontanum Klokov) = Teucrium montanum  
 (Teucrium pulchris Juz.) = Teucrium chamaedrys  
**Teucrium scordioides** Schreb.  
**Teucrium scordium** L.  
 (Teucrium scordium L. subsp. scordioides (Schreb.) Maire & Petitm.) = Teucrium scordioides  
**Teucrium stevenianum** Klokov ~ Teucrium chamaedrys  
 {Teucrium syspirense auct. non K.Koch} = Teucrium krymense

(Thymus acinos L.) = Acinos arvensis  
**Thymus alpestris** Tausch ex A.Kern.  
**Thymus alternans** Klokov ~ Thymus roegneri  
 (Thymus amictus Klokov) = Thymus marschallianus  
 (Thymus angustifolius Pers.) = Thymus serpyllum  
 (Thymus attenuatus Klokov) = Thymus roegneri  
**Thymus borystheneus** Klokov & Des.-Shost.  
 Conservation status: IUCN RL (R); ERL (R).  
**Thymus calcareus** Klokov & Des.-Shost.  
 (Thymus callieri Bord. ex Velen.) = Thymus roegneri  
 {Thymus carnosus auct. non Velen.} = Thymus moldavicus  
 (Thymus carpathicus Čelak.) = Thymus pulcherrimus  
 {Thymus cherlerioides auct. non Vis.} = Thymus tauricus  
**Thymus ciliatissimus** Klokov ~ Thymus pallasianus  
 (Thymus circumcinctus Klokov) = Thymus pulcherrimus  
**Thymus clandestinus** Schur. ~ Thymus pulegioides aggr.  
**Thymus cretaceus** Klokov & Des.-Shost. ~ Thymus calcareus aggr.  
**Thymus didukhii** Ostapko ~ Thymus calcareus aggr.  
 Note: See V. Ostapko (1990, Ukr. Bot. Zhurn. 47(2): 92-95).  
**Thymus × dimorphus** Klokov & Des.-Shost. = Thymus calcareus × Thymus marschallianus  
 Note: Possibly a species of hybrid origin.  
**Thymus × dimorphus** Klokov & Des.-Shost. var. jailae Klokov & Des.-Shost. -- Thymus roegneri  
**Thymus dzevanovskyi** Klokov & Des.-Shost.  
 Conservation status: ERL (I).  
 (Thymus enervius Klokov) = Thymus clandestinus  
**Thymus eupatoriensis** Klokov & Des.-Shost. ~ Thymus moldavicus  
**?Thymus glabrescens** Willd.  
 Note: Reported from Transcarpathia (Fodor, 1974); needs confirmation.

(Thymus glabrescens Willd. subsp. urumovii (Velen.) Jalas) = Thymus roegneri  
**Thymus graniticus** Klokov & Des.-Shost. ~ Thymus calcareus aggr.  
 (Thymus hirsutus M.Bieb., nom. illeg.) = Thymus roegneri  
**Thymus hirtellus** Klokov ~ Thymus roegneri  
**Thymus jailae** (Klokov & Des.-Shost.) Stank. ~ Thymus roegneri  
 (Thymus karadagensis Zefir.) = Thymus roegneri  
**Thymus kaljmijussicus** Klokov & Des.-Shost. ~ Thymus calcareus aggr.  
 Conservation status: RDBU (2).  
 (Thymus kalmiussicus Klokov & Des.-Shost., ortho) = Thymus kaljmijussicus  
 {Thymus kirgisorum auct. non Dubjan.} = Thymus calcareus  
**Thymus kondratjukii** Ostapko ~ Thymus calcareus aggr.  
 Note: See V. Ostapko (1987, Ukr. Bot. Zhurn. 44(2): 47-48).  
 (Thymus latifolius (Besser) Andr.) = Thymus marschallianus  
**Thymus liaculatus** Klokov  
**Thymus littoralis** Klokov & Des.-Shost.  
 Conservation status: RDBU (1).  
 Note: Probably a hybrid T. marschallianus × T. moldavicus.  
 {Thymus loevianus auct. non Opiz} = Thymus marschallianus  
**Thymus marschallianus** Willd.  
 (Thymus marschallianus Willd. var. latifolius Besser) = Thymus pannonicus  
**Thymus moldavicus** Klokov & Des.-Shost.  
 (Thymus muscosus Zaverucha) = Thymus serpyllum  
**Thymus × oblongifolius** Opiz = Thymus pulegioides × Thymus serpyllum  
 (Thymus ovatus Mill.) = Thymus pulegioides aggr.  
**Thymus pallasianus** Heinr. Braun  
 (Thymus pallasianus Hein. Braun subsp. brachyodon (Borbás) Jalas, p.p., nom. illeg.) =  
 Thymus pallasianus  
**Thymus pannonicus** All.  
 {Thymus pannonicus auct. non All.} = Thymus dzevanovskyi & Thymus marschallianus  
 (Thymus pannonicus All. subsp. marschallianus (Willd.) Soó) = Thymus marschallianus  
**Thymus × pilisiensis** Borbás = Thymus marschallianus × Thymus pulegioides  
**Thymus platyphyllus** Klokov ~ Thymus marschallianus  
 (Thymus podolicus Klokov & Des.-Shost.) = Thymus × oblongifolius  
 {Thymus podolicus auct. non Klokov & Des.-Shost.} = Thymus marschallianus × Thymus  
 serpyllum  
 (Thymus × polessicus Klokov) = Thymus × oblongifolius  
 (Thymus pseudocretaceus Klokov) = Thymus calcareus  
**Thymus pseudograniticus** Klokov & Des.-Shost.  
 Conservation status: RDBU (2). Probably a hybrid Thymus calcareus × Thymus  
 marschallianus  
 (Thymus pseudohumillimus Klokov & Des.-Shost.) = Thymus tauricus  
**Thymus pseudopannonicus** Klokov ~ Thymus marschallianus  
**Thymus pulcherrimus** Schur  
**Thymus pulegioides** L. aggr.  
 (Thymus pulegioides L. subsp. montanus (Arcang.) Ronniger) = Thymus clandestinus

(*Thymus pullegioides* L. subsp. *ucrainicus* Klokov & Des.-Shost.) = *Thymus ucrainicus*

***Thymus roegneri* K.Koch aggr.**

***Thymus serpyllum* L.**

(*Thymus subalpestris* Klokov) = *Thymus alpestris*

{*Thymus sudeticus* auct. non Borbás} = *Thymus pulcherrimus*

***Thymus tauricus* Klokov & Des.-Shost.**

***Thymus* × *tshernjajevii* Klokov & Des.-Shost. = *Thymus marschallianus* × *Thymus pallasianus***

***Thymus ucrainicus* (Klokov & Des.-Shost.) Klokov ~ *Thymus pullegioides* aggr.**

(*Thymus zelenetzkyi* Klokov & Des.-Shost.) = *Thymus roegneri*

{*Thymus zygioides* auct. non Griseb.} = *Thymus moldavicus*

***Ziziphora capitata* L.**

(*Ziziphora parviflora* (Trautv.) Des.-Shost.) = *Ziziphora tenuior*

***Ziziphora persica* Bunge**

**?*Ziziphora serpyllacea* M.Bieb.**

Note: Reported from Crimea (collected by N. Zelenetsky in 1887 near Chatyr-Dag);  
needs confirmation.

***Ziziphora taurica* M.Bieb.**

***Ziziphora tenuior* L. aggr.**

## **FAMILY Lauraceae**

**\*!*Laurus nobilis* L.**

## **FAMILY Lentibulariaceae**

***Pinguicula alpina* L.**

Conservation status: RDBU (2).

***Pinguicula bicolor* Wol. ~ *Pinguicula vulgaris***

Conservation status: RDBU (1); IUCN RL (E), as *Pinguicula vulgaris* subsp. *bicolor*.

***Pinguicula vulgaris* L.**

Conservation status: RDBU (2).

[*Pinguicula vulgaris* L. subsp. *bicolor* (Wol.) A.Löve & D.Löve] = *Pinguicula bicolor*

***Utricularia australis* R.Br.**

***Utricularia bremii* Heer**

***Utricularia intermedia* Hayne**

***Utricularia minor* L.**

[*Utricularia minor* L. subsp. *bremii* (Heer ex Koell.) Nyman] = *Utricularia bremii*

(*Utricularia neglecta* Lehm.) = *Utricularia australis*

***Utricularia vulgaris* L.**

## **FAMILY Limoniaceae**

(*Armeria elongata* (Hoffm.) W.D.J.Koch.) = *Armeria maritima* subsp. *elongata*

***Armeria maritima*** (Mill.) Willd. subsp. ***elongata*** (Hoffm.) Bonnier

***Armeria pucutica*** Pawl.

Conservation status: RDBU (0); IUCN RL (Ex/E); ERL (E).

{*Armeria vulgaris* auct. non Willd.} = *Armeria maritima* subsp. *elongata*

***Goniolimon besserianum*** (Schult.) Kusn.

***Goniolimon desertorum*** (Trautv.) Klokov ~ *Goniolimon graminifolium*

***Goniolimon graminifolium*** (Aiton) Boiss.

Conservation status: IUCN RL (V); ERL (V).

(*Goniolimon orae-syvachicae* Klokov) = *Goniolimon rubellum*

***Goniolimon rubellum*** (S.G.Gmel.) Klokov

***Goniolimon tataricum*** (L.) Boiss.

***Goniolimon tauricum*** Klokov ~ *Goniolimon tataricum*

***Limonium alutaceum*** (Steven) O.Kuntze

***Limonium bungei*** (Claus) Gamajun.

***Limonium caspium*** (Willd.) Gams

(*Limonium czurjukiense* (Klokov) Lavrenko ex Klokov, ortho) = *Limonium tschurjukiense*

***Limonium danubiale*** Klokov ~ *Limonium caspium*

***Limonium donetzicum*** Klokov

(*Limonium dubium* Gamajun. ex Klokov) = *Limonium tschurjukiense*

***Limonium gmelinii*** (Willd.) O.Kuntze

[*Limonium gmelinii* (Willd.) O.Kuntze subsp. *hypanicum* (Klokov) Soó] = *Limonium hypanicum*

***Limonium hypanicum*** Klokov

(*Limonium latifolium* (Smith) O.Kuntze 1891; non Moench 1794) = *Limonium platyphyllum*

(*Limonium membranaceum* (Czern.) Klokov) = *Limonium bungei*

***Limonium meyeri*** (Boiss.) O.Kuntze ~ *Limonium scoparium*

(*Limonium neoscoparium* Klokov) = *Limonium scoparium*

***Limonium oblongifolium*** (Kotov) Loskot ex Tzvelev

***Limonium platyphyllum*** Lincz.

***Limonium sareptanum*** (A.Becker) Gams

***Limonium scoparium*** (Pall. ex Willd.) Stank.

\****Limonium sinuatum*** (L.) Mill.

***Limonium suffruticosum*** (L.) O.Kuntze

***Limonium tomentellum*** (Boiss.) O.Kuntze

{*Limonium tomentellum* auct. non (Boiss.) O.Kuntze} = *Limonium alutaceum*,

*Limonium donetzicum*, *Limonium tschurjukiense* & *Limonium hypanicum*

***Limonium tschurjukiense*** (Klokov) Lavrenko ex Klokov

?***Psylliostachys spicata*** (Willd.) Nevski

Note: Reported from the Sivash Lake area (SE Ukraine), probably erroneously.



(*Statice besseriana* Schult.) = *Goniolimon besserianum*  
(*Statice graminifolia* Aiton) = *Goniolimon graminifolium*  
(*Statice tatarica* L.) = *Goniolimon tataricum*

## **FAMILY Linaceae**

[*Cathartolinum catharticum* (L.) Small] = *Linum catharticum*  
(*Cathartolinum pratense* Rehb., nom. illeg.) = *Linum catharticum*

***Linum angustifolium* Huds.**

{*Linum aucheri* auct. non Planch.} = *Linum nervosum*

***Linum austriacum* L.**

(*Linum austriacum* L. subsp. *euxinum* (Juz.) Ockendon) = *Linum squamulosum*

(*Linum austriacum* L. subsp. *marschallianum* (Juz.) Greuter & Burdet) = *Linum marschallianum*

***Linum basarabicum* (Săvul. & Rayss) Klokov ex Juz.**

{*Linum bienne* auct. non Mill.} = *Linum angustifolium*

***Linum catharticum* L.**

***Linum corymbulosum* Rehb.**

***Linum crepitans* (Boenn.) Dumort.**

***Linum czerniaëvii* Klokov**

(*Linum euxinum* Juz.) = *Linum squamulosum*

***Linum extraaxillare* Kit.**

***Linum flavum* L.**

(*Linum flavum* L. var. *basarabicum* Săvul. & Rayss) = *Linum basarabicum*

(*Linum flavum* L. var. *linearifolium* Lindem., nom. illeg.; non *Linum linearifolium* Jáv.) = ?*Linum ucranicum* & *Linum tauricum*

(*Linum flavum* L. var. *ucranicum* Griseb. ex Planch.) = *Linum ucranicum*

***Linum linearifolium* Jáv.**

(*Linum gallicum* L.) = *Linum trigynum*

{*Linum gallicum* auct. non L.} = *Linum corymbulosum*

**\**Linum grandiflorum* Desf.**

***Linum hirsutum* L.**

[*Linum hirsutum* L. subsp. *lanuginosum* (Juz.) Egorova] = *Linum lanuginosum*

[*Linum humile* Mill.] = *Linum usitatissimum* var. *humile*

***Linum jaiicola* Juz. ~ *Linum nervosum***

***Linum lanuginosum* Juz.**

***Linum linearifolium* Jáv.**

(*Linum luteolum* M.Bieb.) = *Linum nodiflorum*

***Linum marschallianum* Juz.**

***Linum nervosum* Waldst. & Kit.**

***Linum nodiflorum* L.**

***Linum pallasianum* Schult.**

***Linum perenne* L.**

[*Linum perenne* L. subsp. *extraaxillare* (Kit.) Nyman] = *Linum extraaxillare*

(*Linum radiola* L.) = *Radiola linoides*  
*Linum squamulosum* Rudolphi ex Willd.  
 {*Linum strictum* auct. non L.} = *Linum corymbulosum*  
*Linum tauricum* Willd.  
*Linum tenuifolium* L.  
*Linum trigynum* L.  
*Linum ucranicum* (Griseb. ex Planch.) Czern.  
 (*Linum ucranicum* Czern. var. *pubescens* Czern. ex Gruner) -- *Linum czernjaëvii*  
 \**Linum usitatissimum* L.  
 \**Linum usitatissimum* L. var. *humile* (Mill.) Pers.

*Radiola linoides* Roth

## **FAMILY Lobeliaceae**

\**Lobelia erinus* L.

## **FAMILY Loranthaceae**

*Arceuthobium oxycedri* (DC.) M.Bieb.

*Loranthus europaeus* Jacq.

(*Razoumofskya caucasica* Hoffm.) = *Arceuthobium oxycedri*  
 (*Razoumofskya oxycedri* (DC.) F.Schultz) = *Arceuthobium oxycedri*

[*Viscum abietis* (Wiesb.) Fritsch] = *Viscum album* subsp. *abietis*  
*Viscum album* L.  
*Viscum album* L. subsp. *abietis* (Wiesb.) Abrom.  
*Viscum album* L. subsp. *austriacum* (Wiesb.) Vollm.  
 (*Viscum austriacum* Wiesb.) = *Viscum album* subsp. *austriacum*  
 [*Viscum laxum* Boiss. & Reut.] = *Viscum album* subsp. *austriacum*  
 (*Viscum laxum* Boiss. & Reut. subsp. *abietis* (Wiesb.) O.Schwarz) -- *Viscum album*  
 subsp. *abietis*  
 (*Viscum oxycedri* DC.) = *Arceuthobium oxycedri*

## **FAMILY Lythraceae**

(*Ammannia borysthena* (M.Bieb. ex Schrank) DC.) -- *Middendorfia borysthena*  
 (*Ammannia caspica* M.Bieb.) = *Ammannia verticillata*  
*Ammannia verticillata* (Ard.) Lam.

\**Lagerstroemia indica* L.

Note: Rarely cultivated in Crimea (South Coast).

[Lythrum borysthenticum (M.Bieb. ex Schrank) Litv.] = *Middendorfia borysthentica*  
 (Lythrum cinereum Griseb.) = *Lythrum tomentosum*  
*Lythrum hybridum* Klokov ~ *Lythrum melanospermum*  
*Lythrum hyssopifolia* L.  
*Lythrum intermedium* Fisch. ex Colla  
*Lythrum melanospermum* Săvul. & Zachar.  
*Lythrum microphyllum* Kar. & Kir.  
 [Lythrum portula (L.) D.A.Webb] = *Peplis portula*  
*Lythrum salicaria* L.  
 (Lythrum salicaria L. subsp. intermedium (Fisch. ex Colla) Hara) = *Lythrum intermedium*  
 (Lythrum salicaria L. var. intermedium (Fisch. ex Colla) Koehne) = *Lythrum intermedium*  
 (Lythrum salicaria L. var. tomentosum (DC.) DC.) = *Lythrum tomentosum*  
 (Lythrum salzmännii Jord.) = *Lythrum microphyllum*  
*Lythrum scabrum* Simonk.  
 Note: Probably a hybrid *L. salicaria* × *L. virgatum* ?  
 (Lythrum sophiae Klokov) = *Lythrum microphyllum*  
*Lythrum thymifolia* L.  
*Lythrum tomentosum* DC.  
*Lythrum tribracteatum* Salzm. ex Spreng.  
*Lythrum virgatum* L.  
 [Lythrum volgense D.A.Webb] = *Peplis alternifolia*

*Middendorfia borysthentica* (M.Bieb. ex Schrank) Trautv.

*Peplis alternifolia* M.Bieb.  
 (Peplis borysthentica M.Bieb. ex Schrank) = *Middendorfia borysthentica*  
*Peplis portula* L.

## **FAMILY Magnoliaceae**

\**Liriodendron tulipiferum* L.

Note: Another species, *L. chinensis* (Hemsl.) Sarg., is rarely cultivated in botanical gardens.

\**Magnolia acuminata* (L.) L.

\**Magnolia denudata* Desr.

\**Magnolia grandiflora* L.

\**Magnolia hypoleuca* Siebold & Zucc.

\**Magnolia kobus* Thunb.

\**Magnolia liliflora* Desr.

(*Magnolia obovata* Thunb. p.p.) = *Magnolia hypoleuca*

\**Magnolia salicifolia* Maxim.

\**Magnolia stellata* (Siebold & Zucc.) Maxim.

Note: Several other species of *Magnolia* are represented only in collections of botanical gardens.

(*Tulipifera liriodendron* Mill.) = *Liriodendron tulipiferum*

## **FAMILY Malvaceae**

\****Abelmoschus esculentus* (L.) Moench**

(*Abutilon avicennae* P.Gaertn.) = *Abutilon theophrastii*

\****Abutilon darvinii* Hook.**

***Abutilon theophrastii* Medik.**

\****Abutilon thompsonii* L.**

\****Abutilon vitifolium* C.Presl**

(*Alcea bordzilowskii* Wissjul.) = *Alcea heldreichii*

***Alcea heldreichii* (Boiss.) Boiss.**

***Alcea novopokrovskii* Iljin**

***Alcea pallida* (Waldst. & Kit. ex Willd.) Waldst. & Kit.**

\****Alcea rosea* L.**

***Alcea rugosa* Alef.**

***Alcea taurica* Iljin**

***Althaea armeniaca* Ten.**

***Althaea cannabina* L.**

(*Althaea cannabina* L. subsp. *narbonensis* (Pourr. ex Cav.) Baker) = *Althaea narbonensis*

(*Althaea heldreichii* Boiss.) = *Alcea heldreichii*

***Althaea hirsuta* L.**

***Althaea narbonensis* Pourr. ex Cav.**

***Althaea officinalis* L.**

(*Althaea pallida* Waldst. & Kit. ex Willd.) = *Alcea pallida*

(*Althaea rosea* (L.) Cav.) = *Alcea rosea*

***Anoda cristata* (L.) Schlecht.**

Note: A rare alien species recently collected in SE Ukraine by V. Tokhtar.

\****Gossypium barbadense* L.**

\****Gossypium herbaceum* L.**

\****Gossypium hirsutum* L.**

\****Hibiscus cannabinus* L.**

[*Hibiscus esculentus* L.] = *Abelmoschus esculentus*

\****Hibiscus rosa-sinensis* L.**

\****Hibiscus syriacus* L.**

***Hibiscus trionum* L.**

\****Kitaibelia vitifolia* Willd.**

**Lavatera thuringiaca** L.

\*!**Lavatera trimestris** L.

\*!**Malope trifida** Cav.

[**Malva alcea** L. subsp. **excisa** (Rehb.) Holub] = **Malva excisa**

**Malva ambigua** Guss.

\*!**Malva chinensis** Mill.

\*!**Malva crispa** (L.) L.

**Malva erecta** J.Presl & C.Presl

\*!**Malva excisa** Rehb.

\*!**Malva mauritiana** L.

(**Malva meluca** Graebn. & Lange) = **Malva chinensis**

(**Malva mohileviensis** Downar) = **Malva pulchella**

\*!**Malva moschata** L.

**Malva neglecta** Wallr.

**Malva nicaeensis** All.

(**Malva plebeja** Steven) = **Malva erecta**

\*!**Malva pulchella** Bernh.

**Malva pusilla** Smith

{**Malva rotundifolia** auct. non L., nom. ambig.} = **Malva neglecta** & **Malva pusilla**

(**Malva sherardiana** L.) = **Malvella sherardiana**

(**Malva sinensis** Cav.) = **Malva mauritiana**

\*!**Malva sylvestris** L.

[**Malva sylvestris** L. ssp. **mauritiana** (L.) Asch. & Graebn.] = **Malva mauritiana**

\*!**Malva verticillata** L.

(**Malva verticillata** L. var. **neuroloma** Schlecht.) = **Malva pulchella**

(**Malva verticillata** L. var. **chinensis** (Mill.) Danert) = **Malva chinensis**

**Malvella sherardiana** (L.) Jaub. & Spach

(**Sida abutilon** L.) = **Abutilon theophrastii**

[**Sida cristata** (L.) Schlecht.] = **Anoda cristata**

\***Sida hermaphrodita** (L.) Rusby

**Sida rhombifolia** L.

Note: A rare alien species collected in Kiev in 1990; now disappeared.

{**Sida spinosa** auct. non L.} = **Sida rhombifolia**

## **FAMILY Martyniaceae**

(**Martynia louisiana** Mill.) = **Proboscidea louisiana**

**Proboscidea louisiana** (Mill.) Thell.

## **FAMILY Meliaceae**

\***Melia azedarach** L.

## **FAMILY Menyanthaceae**

**Menyanthes trifoliata** L.

**Nymphoides peltata** (S.G.Gmel.) O.Kuntze

Conservation status: RDBU (2).

## **FAMILY Mimosaceae**

\***Albizia julibrissin** Durazz.

Note: Often misspelt as "Albizzia".

## **FAMILY Molluginaceae**

**Glinus lotoides** L.

**Mollugo cerviana** (L.) Ser.

## **FAMILY Monotropaceae**

(*Hypopitys hypophegea* (Wallr.) G.Don f.) = *Monotropa hypophegea*

(*Hypopitys monotropa* Grantz) = *Monotropa hypopitys*

**Monotropa hypopitys** L.

**Monotropa hypophegea** Wallr. ~ *Monotropa hypopitys* aggr.

## **FAMILY Moraceae**

\***Broussonetia papyrifera** (L.) Vent.

\***Ficus carica** L.

(*Ioxylon pomiferum* Raf.) = *Maclura pomifera*

(*Maclura aurantiaca* Nutt.) = *Maclura pomifera*

\***Maclura pomifera** (Raf.) C.K.Schneid.

\*!**Morus alba** L.

\*!**Morus nigra** L.

[*Morus papyrifera* L.] = *Broussonetia papyrifera*

## **FAMILY Myrtaceae**

\***Myrtus communis** L.

## **FAMILY Nelumbonaceae**

(*Nelumbium*) = *Nelumbo*

(*Nelumbo caspica* (DC.) Fisch.) = *Nelumbo nucifera* s.l.

\**Nelumbo nucifera* Gaertn. s.l.

Note: Occasionally cultivated as ornamental, and experimentally introduced in the Lower Dnieper area.

## **FAMILY Nitrariaceae**

*Nitraria schoberi* L.

Conservation status: RDBU (3).

## **FAMILY Nyctaginaceae**

(*Allionia nyctaginea* Michx.) = *Oxybaphus nyctagineus*

\**Mirabilis jalapa* L.

\**Mirabilis longiflora* L.

[*Mirabilis nyctaginea* (Michx.) MacMill.] = *Oxybaphus nyctagineus*

*Oxybaphus nyctagineus* (Michx.) Sweet

## **FAMILY Nymphaeaceae**

*Nuphar lutea* (L.) Smith

(*Nuphar lutea* (L.) Smith subsp. *pumila* (Timm) Bonnier & Layens) = *Nuphar pumila*

?*Nuphar pumila* (Timm) DC.

Note: No records from Ukraine; however, may be expected in N Ukraine.

(*Nuphar tenella* Rchb.) = *Nuphar pumila*

*Nymphaea alba* L.

(*Nymphaea alba* L. subsp. *candida* (C.Presl) Korsh.) = *Nymphaea candida*

*Nymphaea candida* C.Presl

(*Nymphaea minoriflora* (Simonk.) Wissjul.) = *Nymphaea alba*

## **FAMILY Oleaceae**

\**Chionanthus virginica* L.

\**Fontanesia fortunei* Carrière

\**Fontanesia phillyreoides* Labill.

\**Forsythia europaea* Degen & Bald.

\**Forsythia* × *intermedia* Zabel = *Forsythia suspensa* × *Forsythia viridissima*

**\*Forsythia suspensa** (Thunb.) Vahl

**\*Forsythia ovata** Nakai

**\*Forsythia viridissima** Lindl.

**\*Fraxinus americana** L.

**Fraxinus angustifolia** Vahl.

[*Fraxinus angustifolia* Vahl. subsp. *danubialis* Pouzar] = *Fraxinus ptacovskyi*

(*Fraxinus angustifolia* Vahl. subsp. *pannonica* Soó & Simon) = *Fraxinus ptacovskyi*

**Fraxinus coriariifolia** Scheele

**Fraxinus excelsior** L.

(*Fraxinus excelsior* L. subsp. *coriariifolia* (Scheele) E.Murray) = *Fraxinus coriariifolia*

(*Fraxinus florifera* Scop.) = *Fraxinus ornus*

**\*Fraxinus lanceolata** Borkh.

**Fraxinus ornus** L.

Conservation status: RDBU (1).

**Fraxinus oxycarpa** Willd. ~ *Fraxinus angustifolia*

(*Fraxinus oxycarpa* Willd. subsp. *syriaca* (Boiss.) Yaltirik) = *Fraxinus syriaca*

**Fraxinus pallisae** Wilmott

**\*!Fraxinus pennsylvanica** Marshall

(*Fraxinus pojarkoviana* V.Vasil.) = *Fraxinus ptacovskyi*

**Fraxinus ptacovskyi** Domin ~ *Fraxinus angustifolia*

(*Fraxinus rotundifolia* Mill. subsp. *syriaca* (Boiss.) Yaltirik) = *Fraxinus syriaca*

**Fraxinus syriaca** Boiss.

Note: In addition to the taxa listed above, at least 10 species are cultivated in botanical gardens and arboreta.

**Jasminum fruticans** L.

**\*Jasminum nudiflorum** Lindl.

**\*Jasminum officinale** L.

Note: At least 6 other species are occasionally cultivated in botanical gardens and parks.

[*Ligustrina amurensis* Rupr.] = *Syringa amurensis*

**\*Ligustrum lucidum** W.T.Aiton

Note: Ca. 15 other species are cultivated in botanical gardens and parks.

**Ligustrum vulgare** L.

**\*Olea europaea** L.

Note: Reported as escaped in Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

**\*Osmanthus fragrans** Lour.

**\*Osmanthus heterophyllus** (G.Don) P.S.Green

Note: Three other species of *Osmanthus* are rarely cultivated in gardens and parks of Crimea.



\**Phillyrea latifolia* L.

\**Syringa amurensis* Rupr.

\**Syringa chinensis* Willd.

\**Syringa emodi* Wall.

*Syringa josikaea* J.Jacq. ex Rehb.

Conservation status: RDBU (1); IUCN RL (R).

\**Syringa persica* L.

\**Syringa villosa* Vahl

\**Syringa vulgaris* L.

Note: In addition to taxa listed above, several species are rarely cultivated in botanical gardens and parks.

## **FAMILY Onagraceae**

(*Chamaenerion angustifolium* (L.) Scop.) = *Chamerion angustifolium*

*Chamerion angustifolium* (L.) Holub

*Chamerion dodonaei* (Vill.) Holub

*Circaea alpina* L.

*Circaea* × *intermedia* Ehrh. = *Circaea alpina* × *Circaea lutetiana*

*Circaea lutetiana* L.

\**Clarkia amoena* (Lehm.) Nelson & Macbr.

{*Clarkia elegans* auct. non Poir.} = *Clarkia unguiculata*

\**Clarkia pulchella* Pursh

\**Clarkia unguiculata* Lindl.

*Epilobium adenocaulon* Hausskn. ~ *Epilobium ciliatum* aggr.

(*Epilobium adnatum* Griseb.) = *Epilobium tetragonum*

*Epilobium alpestre* (Jacq.) Krock.

*Epilobium alpinum* L.

*Epilobium alsinifolium* Vill.

(*Epilobium anagallidifolium* Lam.) = *Epilobium alpinum*

[*Epilobium angustifolium* L.] = *Chamerion angustifolium*

*Epilobium ciliatum* Raf. aggr.

Note: This aggregate is represented in Ukraine by two microspecies, *E. adenocaulon* and *E. pseudorubescens*.

*Epilobium collinum* C.C.Gmel.

*Epilobium consimile* Hausskn.

[*Epilobium dodonaei* Vill.] = *Chamerion dodonaei*

(*Epilobium dominii* M.Pop.) = *Epilobium ciliatum*

*Epilobium hirsutum* L.

*Epilobium lamyi* F.Schultz ~ *Epilobium tetragonum*

*Epilobium lanceolatum* Sebast. & Mauri

*Epilobium montanum* L.

(Epilobium montanum L. var. alpestre Jacq.) = Epilobium alpestre  
 (Epilobium nervosum Boiss. & Buhse) = Epilobium smyrneum s.str.  
 {Epilobium nervosum auct. non Boiss. & Buhse} = Epilobium consimile  
**Epilobium nutans** F.W.Schmidt  
**Epilobium obscurum** Schreb.  
**Epilobium palustre** L.  
 (Epilobium palustre L. var. nutans (F.W.Schmidt) Grab.) = Epilobium nutans  
**Epilobium parviflorum** Schreb.  
**Epilobium pseudorubescens** A.K.Skvortsov ~ Epilobium ciliatum  
**Epilobium roseum** Schreb.  
 [Epilobium roseum Schreb. subsp. consimile (Hausskn.) P.H.Raven] = Epilobium consimile  
 [Epilobium roseum Schreb. subsp. sessile (Boiss.) P.H.Raven] = Epilobium smyrneum  
 {Epilobium rubescens auct. non Rydb.} = Epilobium pseudorubescens  
**?Epilobium smyrneum** Boiss. & Balansa  
**Epilobium tetragonum** L.  
 [Epilobium tetragonum L. subsp. lanyi (F.Schultz) Nyman] = Epilobium lanyi  
 (Epilobium trigonum Schrank) = Epilobium alpestre

(Godetia amoena (Lehm.) G.Don) = Clarkia amoena  
 (Godetia grandiflora Lehm.) = Clarkia amoena

(Isnardia palustris L.) = Ludwigia palustris

### **Ludwigia palustris** (L.) Elliott

Conservation status: RDBU (1).

(Oenothera ammophila Focke) = Oenothera oakesiana  
 (Oenothera amoena Lehm.) = Clarkia amoena

### **Oenothera biennis** L.

Note: Taxonomy in the present list is given mainly according to W. Dietrich, W.L.

Wagner & P.H. Raven (1997, Systematic Botany Monographs 50: 1-234). Many other "microspecies" were reported for Ukraine and adjacent countries.

(Oenothera canovirens Steele) = Oenothera villosa s.l.  
 (Oenothera cruciata Murray ex G.Don) = Oenothera parviflora s.l.  
 (Oenothera depressa E.Greene) = Oenothera villosa s.l.  
 (Oenothera erythrosepala (Borbás) Borbás) = Oenothera glazioviana s.l.  
**Oenothera × fallax** Renner ex Rostański = Oenothera biennis × Oenothera glazioviana  
**Oenothera glazioviana** Micheli  
**Oenothera × hoelscheri** Renner ex Rostański = Oenothera biennis × Oenothera villosa  
 (Oenothera hungarica Borbás) = Oenothera villosa s.l.

### **Oenothera laciniata** Hill

Note: A rare alien species collected in Kiev twice (S. Mosyakin, 1991, Byull. MOIP, Ser. Biol. 96(1): 144-145).

(Oenothera muricata L.) = Oenothera biennis s.l.

{*Oenothera muricata* auct. non L.} = *Oenothera oakesiana* s.l.  
***Oenothera oakesiana*** (A.Gray) Robbins ex S.Watson & Coult.  
***Oenothera parviflora*** L.  
(*Oenothera renneri* H.Scholz) = *Oenothera villosa* s.l.  
***Oenothera rubricaulis*** Klebahn = *Oenothera biennis* s.l.  
(*Oenothera salicifolia* Desf. ex G.Don) = *Oenothera villosa* s.l.  
(*Oenothera sinuata* L.) = *Oenothera laciniata*  
(*Oenothera strigosa* (Rydb.) Mackenzie) = *Oenothera villosa* s.l.  
\*!***Oenothera suaveolens*** Desf. ex Pers. ~ *Oenothera biennis* s.l.  
(*Oenothera syrticola* Bartlett) = *Oenothera oakesiana*  
***Oenothera villosa*** Thunb.

(*Onagra biennis* (L.) Scop.) = *Oenothera biennis*

[*Raimannia laciniata* (Hill) Rose ex Britt. & Brown] = *Oenothera laciniata*

## **FAMILY Orobanchaceae**

***Diphelypaea coccinea*** (M.Bieb.) Nicolson

Conservation status: RDBU (3).

***Diphelypaea helenae*** (Popl.) Tzvelev

[*Orobanche aegyptiaca* Pers.] = *Phelipanche aegyptiaca*

***Orobanche alba*** Stephan ex Willd.

***Orobanche alsatica*** Kirschl.

(*Orobanche ammophila* C.A.Mey.) = *Orobanche coerulescens*

[*Orobanche arenaria* Borkh.] = *Phelipanche arenaria*

***Orobanche bartlingii*** Griseb.

[*Orobanche brassicae* (Novopokr.) Novopokr.] = *Phelipanche brassicae*

(*Orobanche caesia* Rechb.) = *Phelipanche lanuginosa*

***Orobanche caryophyllacea*** Smith

***Orobanche cernua*** Loebl.

[*Orobanche cernua* Loebl. subsp. *cumana* (Wallr.) Soó] = *Orobanche cumana*

(*Orobanche cervaria* Suard.) = *Orobanche alsatica*

***Orobanche coerulescens*** Stephan

***Orobanche crenata*** Forssk.

***Orobanche cumana*** Wallr.

(*Orobanche cumana* Wall. subsp. *parviflora* Kotov) = *Orobanche cumana*

[*Orobanche dalmatica* (G.Beck) Tzvelev] = *Phelipanche dalmatica*

***Orobanche elatior*** Sutton

(*Orobanche epithymum* DC.) = *Orobanche alba*

***Orobanche flava*** C.Mart. ex F.Schultz

***Orobanche gracilis*** Smith

***Orobanche hederac*** Vaucher ex Duby

(*Orobanche kochii* F.Schultz) = *Orobanche elatior*  
 (*Orobanche korshinskyi* Novopokr.) = *Orobanche coerulescens*  
 (*Orobanche laevis* L., nom. utique rej. prop.) = *Phelipanche arenaria*  
 (*Orobanche libanotidis* Rupr.) = *Orobanche bartlingii*  
**Orobanche lutea** Baumg.  
 (*Orobanche major* L., nom. utique rej. prop.) = *Orobanche caryophyllacea*  
 {*Orobanche major* auct. non L.} = *Orobanche elatior*  
**Orobanche minor** Smith  
 [*Orobanche mutellii* F.Schultz] = *Phelipanche mutellii*  
 (*Orobanche nana* (Reut.) Noe ex G.Beck) = *Phelipanche oxyloba*  
 [*Orobanche oxyloba* (Reut.) G.Beck] = *Phelipanche oxyloba*  
**Orobanche pallidiflora** Wimmer & Grab. ~ *Orobanche reticulata*  
**Orobanche picridis** F.Schultz  
**Orobanche pubescens** D'Urv.  
 [*Orobanche purpurea* Jacq.] = *Phelipanche purpurea*  
 [*Orobanche ramosa* L.] = *Phelipanche ramosa*  
**Orobanche reticulata** Wallr.  
**Orobanche sarmatica** Kotov ~ *Orobanche cumana*  
**Orobanche subalpina** Herb.  
**Orobanche teucris** Holandre  
 (*Orobanche versicolor* F.Schultz) = *Orobanche pubescens*  
 (*Orobanche vulgaris* Poir.) = *Orobanche caryophyllacea*

(*Phelypaea coccinea* (M.Bieb.) Poir.) = *Diphelypaea coccinea*  
 (*Phelypaea helenae* Popl.) = *Diphelypaea helenae*

**Phelipanche aegyptiaca** (Pers.) Pomel  
**Phelipanche arenaria** (Borkh.) Walp.  
**Phelipanche brassicae** (Novopokr.) Soják  
**Phelipanche dalmatica** (G.Beck.) Soják  
 (*Phelipanche laevis* (L.) Holub) = *Phelipanche arenaria*  
**Phelipanche lanuginosa** (C.A.Mey.) Soják  
**Phelipanche mutellii** (F.Schultz) Czerep.  
**Phelipanche oxyloba** (Reut.) Soják  
**Phelipanche purpurea** (Jacq.) Soják  
**Phelipanche ramosa** (L.) Pomel

## FAMILY Oxalidaceae

**Oxalis acetosella** L.  
**Oxalis acetosella** L. var. *parviflora* (Lej.) DC.  
 [*Oxalis corniculata* L.] = *Xanthoxalis corniculata*  
 [*Oxalis dillenii* Jacq.] = *Xanthoxalis dillenii*  
 (*Oxalis europaea* Jord.) = *Xanthoxalis stricta*  
 (*Oxalis fontana* Bunge) = *Xanthoxalis stricta*

(*Oxalis grenadensis* Urb.) = *Xanthoxalis corniculata* subsp. *repens*

(*Oxalis parviflora* Lej.) = *Oxalis acetosella* var. *parviflora*

[*Oxalis stricta* L.] = *Xanthoxalis stricta*

{*Oxalis stricta* auct. non L.} = *Xanthoxalis dillenii*

***Xanthoxalis corniculata* (L.) Small**

***Xanthoxalis corniculata* (L.) Small subsp. *repens* (Thunb.) Tzvelev**

***Xanthoxalis dillenii* (Jacq.) Holub**

(*Xanthoxalis fontana* (Bunge) Holub) = *Xanthoxalis stricta*

(*Xanthoxalis fontana* (Bunge) Holub subsp. *villicaulis* (Wiegand) Tzvelev) = *Xanthoxalis stricta* subsp. *villicaulis*

(*Xanthoxalis grenadensis* (Urb.) Tzvelev) = *Xanthoxalis corniculata* subsp. *repens*

[*Xanthoxalis repens* (Thunb.) Dostal] = *Xanthoxalis corniculata* subsp. *repens*

***Xanthoxalis stricta* (L.) Small**

{*Xanthoxalis stricta* auct. non (L.) Small} = *Xanthoxalis dillenii*

***Xanthoxalis stricta* (L.) Small subsp. *villicaulis* (Wiegand) Tzvelev**

## **FAMILY Paoniaceae**

(*Paeonia albiflora* Pall.) = *Paeonia lactiflora*

(*Paeonia biebersteiniana* Rupr.) = *Paeonia tenuifolia*

***Paeonia daurica* Andrews**

Conservation status: RDBU (2).

**\**Paeonia lactiflora* Pall.**

(*Paeonia lithophila* Kotov) = *Paeonia tenuifolia*

**\**Paeonia officinalis* L.**

**\**Paeonia peregrina* Mill.**

Note: The species may occur as native in the southwesternmost part of Ukraine.

(*Paeonia romanica* Brandza) = *Paeonia peregrina*

**\**Paeonia suffruticosa* Andrews**

(*Paeonia taurica* Andrews, sphalm. corr.) = *Paeonia daurica*

***Paeonia tenuifolia* L.**

Conservation status: RDBU (2).

(*Paeonia tenuifolia* L. subsp. *biebersteiniana* (Rupr.) Takht.) = *Paeonia tenuifolia*

(*Paeonia triternata* Pall. ex DC.) = *Paeonia daurica*

(*Paeonia mascula* (L.) Mill. subsp. *triternata* (Pall. ex DC.) Stearn & P.H.Davis) = *Paeonia daurica*

## **FAMILY Papaveraceae**

Note: See also Fumariaceae & Hydracaceae.

(*Chelidonium corniculatum* L.) = *Glaucium corniculatum*

(*Chelidonium glaucium* L.) = *Glaucium flavum*

(*Chelidonium hybridum* L.) = *Roemeria hybrida*

**Chelidonium majus** L.

**\*Eschscholzia californica** Cham.

Note: Sometimes occur as escaped in S Ukraine, but not truly established.

**Glaucium corniculatum** (L.) J.Rudolph

**Glaucium flavum** Crantz

Conservation status: RDBU (2).

(*Glaucium luteum* Scop.) = *Glaucium flavum*

**Papaver albiflorum** (Boiss. & Paz.) ~ *Papaver dubium* aggr.

Note: Probably the priority name for this species is *P. maculosum* Schur s.str.

**Papaver argemone** L.

(*Papaver argemone* L. subsp. *hybridum* (L.) Schmalh.) ~ *Papaver hybridum*

{*Papaver commutatum* auct. non Fisch. & C.A.Mey.} = *Papaver tumidulum*

**Papaver dubium** L.

(*Papaver dubium* L. subsp. *laevigatum* (M.Bieb.) Pawl.) = *Papaver laevigatum*

{*Papaver dubium* L. subsp. *lecoqii* auct. non (Lamotte) Syme} = *Papaver albiflorum*,

*Papaver stevenianum* & *Papaver tumidulum*

(*Papaver dubium* L. var. *albiflorum* Besser, nom. inval.) ~ *Papaver albiflorum*

(*Papaver dubium* L. var. *albiflorum* Boiss.) = *Papaver albiflorum*

**Papaver hybridum** L.

**Papaver laevigatum** M.Bieb. ~ *Papaver dubium* aggr.

**Papaver maeoticum** Klokov ~ *Papaver dubium* aggr.

Conservation status: IUCN RL (R).

Note: Closely related to, or probably conspecific with, *P. laevigatum*.

(*Papaver nothum* Steven) = *Papaver strigosum*

{*Papaver nothum* sensu Klokov, non Steven} = *Papaver stevenianum*

**Papaver ocellatum** Woronow

Note: A rare casual alien collected in Kiev (railway station); now disappeared.

(*Papaver officinale* C.C.Gmel.) ~ *Papaver somniferum*

**\*Papaver orientale** L.

[*Papaver pavoninum* Schrenk subsp. *ocellatum* (Woronow) Kadereit] ~ *Papaver ocellatum*

**Papaver rhoeas** L.

[*Papaver rhoeas* L. subsp. *strigosum* (Boenn.) Simonk.] ~ *Papaver strigosum*

**?Papaver setigerum** DC.

Note: Records from Ukraine (Crimea) are probably erroneous (misidentification of escaped specimens of *P. somniferum*?).

**\*Papaver somniferum** L.

[*Papaver somniferum* L. subsp. *setigerum* (DC.) Arcang.] ~ *Papaver setigerum* DC.

**Papaver stevenianum** A.D.Micheev ~ *Papaver dubium* aggr.

**Papaver strigosum** (Boenn.) Schur ~ *Papaver rhoeas*

**Papaver tumidulum** Klokov ~ *Papaver dubium* aggr.

**Roemeria hybrida** (L.) DC.

**Roemeria refracta** DC.

Note: A rare alien known from Kiev, Odessa, and Donetsk region.  
(*Roemeria violacea* Medik., nom. illeg.) *Roemeria hybrida*

## **FAMILY Parnassiaceae**

**Parnassia palustris** L.

## **FAMILY Pedaliaceae**

\***Sesamum indicum** L.

## **FAMILY Peganaceae**

**Peganum harmala** L.

## **FAMILY Phytolaccaceae**

\***Phytolacca americana** L.

(*Phytolacca decandra* L.) = *Phytolacca americana*

\***Phytolacca esculenta** Van Houtte

(*Sarcoca esculenta* (Van Houtte) Skalický) = *Phytolacca esculenta*

## **FAMILY Plantaginaceae**

{*Plantago alpina* auct. non L.} = *Plantago newmannii*

**Plantago altissima** L.

**Plantago arenaria** Waldst. & Kit.

**Plantago arenaria** Waldst. & Kit. subsp. **orientalis** (Soó) Greuter & Burdet

**Plantago aristata** Michx.

Note: A rare alien species reported from Transcarpathia.

**Plantago atrata** Hoppe subsp. **carpatica** (Soó) Soó

Conservation status: IUCN RL (V).

(*Plantago biebersteinii* Opiz) = *Plantago intermedia*

**Plantago cornuti** Gouan

**Plantago coronopus** L.

[*Plantago dubia* L.] = *Plantago lanceolata* subsp. **lanuginosa**

(*Plantago eriophora* Hoffing. & Link) = *Plantago lanceolata* subsp. **lanuginosa**

(*Plantago glabriflora* Sakalo) = *Plantago lanceolata* subsp. **lanuginosa**

(*Plantago indica* L., nom. illeg.) = *Plantago arenaria*

**Plantago intermedia** DC.

?**Plantago lagopus** L.

**Plantago lanceolata** L.

\***Plantago lanceolata** L. subsp. **lanuginosa** (Bast.) Arcang.

(*Plantago lanuginosa* (Bast.) Karnauch) = *Plantago lanceolata* subsp. **lanuginosa**

(*Plantago latifolia* Wissjul.) = *Plantago arenaria* subsp. **orientalis**

**Plantago major L.**

[*Plantago major* L. subsp. *intermedia* (DC.) Arcang.] = *Plantago intermedia*

(*Plantago major* L. subsp. *plejosperma* Pilg.) = *Plantago intermedia*

[*Plantago maritima* L. subsp. *ciliata* Printz] = *Plantago salsa*

[*Plantago maritima* L. subsp. *neumannii* (Opiz) Tzvelev] = *Plantago neumannii*

(*Plantago maritima* L. subsp. *salsa* (Pall.) Soják) = *Plantago salsa*

**Plantago maxima Juss. ex Jacq.**

**Plantago media L.**

(*Plantago media* L. subsp. *stepposa* (Kuprian.) Soó) = *Plantago urvillei*

(*Plantago media* L. subsp. *urvilleana* (Rapin) Hultén) = *Plantago urvillei*

(*Plantago montana* Lam. 1792, non Huds. 1762) = *Plantago atrata*

(*Plantago montana* Lam. var. *carpatica* Pilg., nom. inval.) = *Plantago atrata* subsp. *carpatica*

**Plantago neumannii Opiz**

(*Plantago psyllium* L. 1753, nom. ambig.; non L. 1762) = *Plantago arenaria*

**Plantago salsa Pall.**

(*Plantago scabra* Moench, nom. illeg.) = *Plantago arenaria*

(*Plantago scabra* Moench subsp. *orientalis* (Soó) Tzvelev) = *Plantago arenaria* subsp. *orientalis*

**Plantago schwarzenbergiana Schur**

Conservation status: ERL (I).

(*Plantago stepposa* Kuprian.) = *Plantago urvillei*

**Plantago tenuiflora Waldst. & Kit.**

(*Plantago uliginosa* F.W.Schmidt) = *Plantago intermedia*

**Plantago urvillei Opiz**

[*Psyllium arenarium* (Waldst. & Kit.) Mirbel] = *Plantago arenaria*

(*Psyllium indicum* Dum.Cours) = *Plantago arenaria*

(*Psyllium indicum* Dum.Cours subsp. *orientale* (Soó) Soják) = *Plantago arenaria* subsp. *orientalis*

(*Psyllium scabrum* Holub) = *Plantago arenaria*

(*Psyllium scabrum* Holub subsp. *orientale* (Soó) Holub) = *Plantago arenaria* subsp. *orientalis*

**FAMILY Platanaceae**

(*Platanus acerifolia* (Aiton) Willd.) = *Platanus* × *hispanica*

(*Platanus digitifolia* Palib.) = *Platanus orientalis*

\**Platanus* × *hispanica* Mill. ex Muenchh.

(*Platanus hybrida* Brot.) = *Platanus* × *hispanica*

\**Platanus occidentalis* L.

\**Platanus orientalis* L.



## **FAMILY Plumbaginaceae**

Note: See also Limoniaceae.

\*! *Ceratostigma plumbaginoides* Bunge

Note: Cultivated and escaped in Crimea.

## **FAMILY Polemoniaceae**

\* *Phlox drummondii* Hook.

\*! *Phlox paniculata* L.

\* *Phlox* × *pyramidalis* Smith = *Phlox maculata* L. × *Phlox paniculata*

\*! *Phlox subulata* L.

*Polemonium caeruleum* L.

## **FAMILY Polygalaceae**

*Polygala alpestris* Rechb.

{*Polygala amara* auct. non L.} = *Polygala amarella*

[*Polygala amara* L. subsp. *amarella* (Crantz) Chodat] = *Polygala amarella*

[*Polygala amara* L. subsp. *brachyptera* (Chodat) Hayek] = *Polygala amblyptera*

*Polygala amarella* Crantz

*Polygala amblyptera* Rechb.

*Polygala anatolica* Boiss. & Heldr.

*Polygala andrachnoides* Willd.

{*Polygala austriaca* auct. non Crantz} = *Polygala decipiens*

*Polygala comosa* Schkuhr

[*Polygala comosa* Schkuhr subsp. *podolica* (DC.) Schmalh.] = *Polygala podolica*

*Polygala cretacea* Kotov ~ *Polygala major*

*Polygala decipiens* Besser

(*Polygala hybrida* DC.) = *Polygala comosa*

{*Polygala hybrida* auct. non DC.} = *Polygala wolfgangiana*

(*Polygala kemulariae* Tamamsch.) = *Polygala makaschwilii*

*Polygala major* Jacq.

(*Polygala major* Jacq. var. *anatolica* (Boiss. & Heldr.) Schmalh.) = *Polygala anatolica*

*Polygala makaschwilii* Kem.-Nath.

Note: Reported for Crimea (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

*Polygala moldavica* Kotov

*Polygala podolica* DC.

*Polygala sibirica* L.

(*Polygala subamara* Fritsch) = *Polygala amblyptera*

*Polygala vulgaris* L.

*Polygala wolfgangiana* Besser ex Ledeb.

## **FAMILY Polygonaceae**

- (*Acetosa acetosella* (L.) Mill.) = *Rumex acetosella*  
{*Acetosa alpestris* auct. non (Jacq.) A.L.Öve} = *Rumex arifolius*  
[*Acetosa arifolia* (All.) Schur] = *Rumex arifolius*  
[*Acetosa pratensis* Mill.] = *Rumex acetosa*  
{*Acetosa pratensis* Mill. subsp. *alpestris* auct. non (Jacq.) A.L.Öve} = *Rumex arifolius*  
(*Acetosa rugosa* (Campd.) Holub) = *Rumex arifolius* subsp. *amplexicaulis*  
[*Acetosa scutata* (L.) Mill.] = *Rumex scutatus*  
[*Acetosa scutata* (L.) Mill. subsp. *hastifolia* (M.Bieb.) A.L.Öve & Kapoor] = *Rumex scutatus* subsp. *hastifolius*  
[*Acetosa thyrsoflora* (Fingerh.) A.L.Öve & D.L.Öve] = *Rumex thyrsoflorus*
- {*Acetosella angiocarpa* auct. non (Murb.) A.L.Öve & D.L.Öve} = *Rumex acetosella* subsp. *pyrenaicus*  
(*Acetosella tenuifolia* (Wallr.) A.L.Öve & D.L.Öve) = *Rumex acetosella*  
[*Acetosella vulgaris* Fourr.] = *Rumex acetosella*  
[*Acetosella vulgaris* Fourr. subsp. *pyrenaica* (Pourr. ex Lapeyr.) A.L.Öve] = *Rumex acetosella* subsp. *pyrenaicus*

**Aconogonon alpinum** (All.) Schur

\***Aconogonon coriarium** (Grig.) Soják

**Aconogonon divaricatum** (L.) Nakai ex Mori

Note: A rare alien species reported from Kiev. Needs confirmation.

\***Aconogonon weyrichii** (F.Schmidt) Hara

**Atraphaxis frutescens** (L.) K.Koch

**Atraphaxis replicata** Lam.

Conservation status: RDBU (3).

{*Atraphaxis spinosa* auct. non L.} = *Atraphaxis replicata*

(*Bilderdykia convolvulus* (L.) Dumort.) = *Fallopia convolvulus*

(*Bilderdykia dumetorum* (L.) Dumort.) = *Fallopia dumetorum*

(*Bilderdykia aubertii* (Henry) Moldenke) = *Fallopia aubertii*

(*Bilderdykia baldschuanica* (Regel) D.A.Webb) = *Fallopia baldschuanica*

**Bistorta ensigera** (Juz.) Tzvelev

(*Bistorta major* S.F.Gray) = *Bistorta officinalis*

(*Bistorta major* S.F.Gray subsp. *ensigera* (Juz.) Soják) = *Bistorta ensigera*

**Bistorta officinalis** Delarbre

**Bistorta vivipara** (L.) Delarbre

[*Bucephalophora aculeata* Pau] = *Rumex bucephalophorus*

\*!**Fagopyrum esculentum** Moench

(*Fagopyrum sagittatum* Gilib., nom. illeg.) = *Fagopyrum esculentum*  
***Fagopyrum tataricum*** (L.) P.Gaertn.

**\**Fallopia aubertii*** (Henry) Holub

**\**Fallopia baldschuanica*** (Regel) Holub

[*Fallopia* × *bohemica* (Chrtek & Chrtková) J.Bailey] = *Reynoutria* × *bohemica*

***Fallopia* × *convolvuloides*** (Brugger) Holub = *Fallopia convolvulus* × *Fallopia dumetorum*

***Fallopia convolvulus*** (L.) A.Löve

***Fallopia dumetorum*** (L.) Holub

[*Fallopia japonica* (Houtt.) Ronse Decr.] = *Reynoutria japonica*

**\**Fallopia multiflora*** (Thunb.) Haraldson

[*Fallopia sachalinensis* (F.Schmidt ex Maxim.) Ronse Decr.] = *Reynoutria sachalinensis*

***Oxyria digyna*** (L.) Hill

***Persicaria amphibia*** (L.) Delarbre

***Persicaria brittingeri*** (Opiz) Opiz ~ *Persicaria lapathifolia* aggr.

***Persicaria dubia*** (Stein) Fourr.

***Persicaria hydropiper*** (L.) Delarbre

***Persicaria hypanica*** (Klokov) Tzvelev ~ *Persicaria lapathifolia* aggr.

***Persicaria lapathifolia*** (L.) Delarbre

***Persicaria lapathifolia*** (L.) Delarbre subsp. ***andrzejowskiana*** (Klokov) Soják

[*Persicaria lapathifolia* (L.) Delarbre subsp. *brittingeri* (Opiz) Soják] = *Persicaria brittingeri*

(*Persicaria lapathifolia* (L.) Delarbre subsp. *danubialis* (A.Kern.) A.Löve & D.Löve) = *Persicaria brittingeri*

[*Persicaria lapathifolia* (L.) Delarbre subsp. *hypanica* (Klokov) Soják] = *Persicaria hypanica*

[*Persicaria lapathifolia* (L.) Delarbre subsp. *leptoclada* (Danser) Wisskirchen] = *Persicaria linicola*

[*Persicaria lapathifolia* (L.) Delarbre subsp. *pallida* (With.) A.Löve] = *Persicaria scabra*

[*Persicaria lapathifolia* (L.) Delarbre subsp. *saporoviensis* (Klokov) Soják] = *Persicaria saporoviensis*

(*Persicaria lapathifolia* (L.) Delarbre subsp. *turgida* (Thuill.) Soják) = *Persicaria scabra*

(*Persicaria laxiflora* (Weihe) Opiz) = *Persicaria dubia*

***Persicaria linicola*** (Sutulov) Nenjukov ~ *Persicaria lapathifolia* aggr.

(*Persicaria maculata* (Raf.) Fourr. 1869, non S.F.Gray 1821) = *Persicaria maculosa*

(*Persicaria maculata* S.F.Gray) = *Persicaria lapathifolia*

***Persicaria maculosa*** S.F.Gray

***Persicaria minor*** (Huds.) Opiz

(*Persicaria mitis* Delarbre) = *Persicaria maculosa*

(*Persicaria mitis* (Schränk) Opiz ex Assenov 1966, non Delarbre 1800) = *Persicaria dubia*

**\*!*Persicaria orientalis*** (L.) Spach

***Persicaria saporoviensis*** (Klokov) Tzvelev ~ *Persicaria lapathifolia* aggr.

***Persicaria scabra*** (Moench) Moldenke ~ *Persicaria lapathifolia* aggr.

**\*Persicaria tinctoria** (Aiton) Spach

(*Persicaria tomentosa* (Schränk) Bicknell) = *Persicaria lapathifolia*

(*Pleuropterus cordatus* Turcz.) = *Fallopia multiflora*

(*Pleuropterus multiflorus* (Thunb.) Turcz. ex Nakai) = *Fallopia multiflora*

(*Polygonum acetosellum* Klokov) = *Polygonum calcatum*

**Polygonum achersonianum** H.Gross

[*Polygonum alpinum* All.] = *Aconogonon alpinum*

[*Polygonum amphibium* L.] = *Persicaria amphibia*

[*Polygonum andrzejowskianum* Klokov] = *Persicaria lapathifolia* subsp. *andrzejowskiana*

**Polygonum arenarium** Waldst. & Kit.

**Polygonum arenastrum** Boreau

**Polygonum arenastrum** Boreau subsp. **caspicum** (Kom.) Tzvelev

{*Polygonum arenastrum* auct. non Boreau} = *Polygonum calcatum*

**Polygonum argyrocoleon** Steud. ex G.Kuntze

Note: A rare alien species reported from SE Ukraine.

**Polygonum aviculare** L. s.str.

{*Polygonum aviculare* auct. non L.} = *Polygonum arenastrum*

**Polygonum bellardii** All. s.str.

{*Polygonum bellardii* auct. non All.} = *Polygonum neglectum*

[*Polygonum bistorta* L.] = *Bistorta officinalis*

(*Polygonum bordzilowskii* Klokov) = *Polygonum novoascanicum*

[*Polygonum brittingeri* Opiz] = *Persicaria brittingeri*

**Polygonum calcatum** Lindm.

[*Polygonum caspicum* Kom.] = *Polygonum arenastrum* subsp. *caspicum*

(*Polygonum convolvulus* L.) = *Fallopia convolvulus*

[*Polygonum coriarum* Grig.] = *Aconogonon coriarum*

(*Polygonum cretaceum* Kom.) = *Polygonum novoascanicum*

(*Polygonum cuspidatum* Siebold & Zucc.) = *Reynoutria japonica*

(*Polygonum daphnophyllum* Andr.) = *Persicaria minor*

[*Polygonum divaricatum* L.] = *Aconogonon divaricatum*

(*Polygonum divaricatum* Less. 1834, non L. 1753) = *Polygonum pseudoarenarium*

(*Polygonum dumetorum* L.) = *Fallopia dumetorum*

[*Polygonum ensigerum* Juz.] = *Bistorta ensigera*

**Polygonum euxinum** Chrtek

(*Polygonum fagopyrum* L.) = *Fagopyrum esculentum*

(*Polygonum gracilius* (Ledeb.) Klokov) = *Polygonum patulum*

(*Polygonum heterophyllum* Lindm.) = *Polygonum aviculare*

[*Polygonum hydropiper* L.] = *Persicaria hydropiper*

[*Polygonum hypanicum* Klokov] = *Persicaria hypanica*

(*Polygonum incanum* F.W.Schmidt) = *Persicaria scabra*

(*Polygonum janatae* Klokov) = *Polygonum pulchellum*

(*Polygonum junceum* Ledeb. 1849, non C.Cunn. ex Lindl. 1948) = *Polygonum pseudoarenarium*

(Polygonum kitaibelianum Sadl.) = Polygonum bellardii  
 (Polygonum kotovii Klokov) = Polygonum patulum  
 [Polygonum lapathifolium L.] = Persicaria lapathifolia  
 [Polygonum linicola Sutulov] = Persicaria linicola  
**Polygonum maritimum** L.  
 {Polygonum maritimum auct. non L.} = Polygonum mesembrium  
**Polygonum mesembrium** Chrtek  
 [Polygonum minus Huds.] = Persicaria minor  
 [Polygonum mite Schrank] = Persicaria dubia  
 (Polygonum monspeliense Thiébaud ex Pers.) = Polygonum aviculare  
**Polygonum neglectum** Besser  
 (Polygonum nodosum Pers.) = Persicaria lapathifolia  
**Polygonum novoascanicum** Klokov  
 [Polygonum orientale L.] = Persicaria orientalis  
 (Polygonum paniculatum Andr.) = Persicaria lapathifolia  
**Polygonum patuliforme** Worosch.  
**Polygonum patulum** M.Bieb.  
 [Polygonum persicaria L.] = Persicaria maculosa  
**Polygonum propinquum** Ledeb.  
**Polygonum psammophilum** (Bordz. ex Tzvelev) Tzvelev ~ Polygonum novoascanicum  
**Polygonum pseudoarenarium** Klokov  
 (Polygonum pseudoincanum Klokov) = Persicaria lapathifolia  
**Polygonum pulchellum** Loisel.  
**Polygonum ramosissimum** Michx.  
 Note: A rare alien species collected once in Kiev.  
**Polygonum rigidum** B.Skvortsov  
 Note: A rare alien species recently collected in SE Ukraine by V. Tokhtar.  
 {Polygonum robertii auct. non Loisel.} = Polygonum euxinum  
**Polygonum rurivagum** Jord. ex Boreau  
 (Polygonum sachalinense F.Schmidt) = Reynoutria sachalinensis  
**Polygonum salsugineum** M.Bieb.  
 [Polygonum saporoviense Klokov] = Persicaria saporoviensis  
 [Polygonum scabrum Moench] = Persicaria scabra  
 (Polygonum schychowscii Andr.) = Persicaria dubia  
 (Polygonum scythicum Klokov) = Polygonum achersonianum  
 (Polygonum tataricum L.) = Fagopyrum tataricum  
 [Polygonum tinctorium Aiton] = Persicaria tinctoria  
 (Polygonum tomentosum Schrank) = Persicaria lapathifolia  
 [Polygonum viviparum L.] = Bistorta vivipara  
 [Polygonum weyrichii F.Schmidt] = Aconogonon weyrichii  
 (Polygonum zaporoviense Klokov) = Persicaria saporoviensis  
  
 (Reynoutria baldschuanica (Regel) Moldenke) = Fallopia baldschuanica  
**\*!Reynoutria × bohémica** Chrtek & Chrtková = Reynoutria japonica × Reynoutria  
 sachalinensis

\***Reynoutria japonica** Houtt.

\***Reynoutria sachalinensis** (F.Schmidt ex Maxim.) Nakai

Note: Both species of *Reynoutria* should be regarded as invasive, especially in N and NW Ukraine. *Reynoutria japonica* seems to be more common in Ukraine than *R. sachalinensis*.

(*Reynoutria* × *vivax* J.Schmitz & Strank s.str.) = *Reynoutria sachalinensis*

{*Reynoutria* × *vivax* auct. non J.Schmitz & Strank} = *Reynoutria* · *bohemica*

\***Rheum palmatum** L.

\***Rheum rhabarbarum** L.

\***Rheum rhaponticum** L.

\***Rheum tataricum** L.f.

(*Rheum undulatum* L.) = *Rheum rhabarbarum*

**Rumex** × **abortivus** Ruhmer = *Rumex conglomeratus* × *Rumex obtusifolius*

Note: Data on hybrids of *Rumex* occurring in Ukraine are provided mainly by I.A. Pestova (unpublished thesis, 1998).

**Rumex acetosa** L.

{*Rumex acetosa* L. subsp. *alpestris* auct. non (Jacq.) A.Löve} = *Rumex arifolius*

(*Rumex acetosa* L. subsp. *thyrsoiflorus* (Fingerh.) Hayek) = *Rumex thyrsoiflorus*

**Rumex acetosella** L.

**Rumex acetosella** L. subsp. *acetoselloides* (Balansa) den Nijs

{*Rumex acetosella* L. subsp. *angiocarpus* auct. non (Murb.) Murb.} = *Rumex acetosella* subsp. *pyrenaicus*

**Rumex acetosella** L. subsp. *pyrenaicus* (Pourr. ex Lapeyr.) Akeroyd

[*Rumex acetoselloides* Balansa] = *Rumex acetosella* subsp. *acetoselloides*

(*Rumex alluvius* F.C.Gates & R.L.McGregor) = *Rumex stenophyllus*

(*Rumex alpinus* L. 1759, non L. 1753, nom. ambig.) = *Rumex pseudoalpinus*

(*Rumex alpestris* Jacq. s.str.) = *Rumex scutatus*

{*Rumex alpestris* auct. non Jacq.} = *Rumex arifolius*

(*Rumex amplexicaulis* Lapeyr.) = *Rumex arifolius* subsp. *amplexicaulis*

{*Rumex angiocarpus* auct. non Murb.} = *Rumex acetosella* subsp. *pyrenaicus*

**Rumex aquaticus** L.

**Rumex arifolius** All.

**Rumex arifolius** All. subsp. *amplexicaulis* (Lapeyr.) Nyman

(*Rumex aureus* Mill.) = *Rumex maritimus*

**Rumex** × **borbasii** Blocki = *Rumex confertus* × *Rumex obtusifolius*

?**Rumex bucephalophorus** L.

Note: Only old records of this rare alien species are available from Crimea.

(*Rumex carpaticus* (Zapal.) Zapal.) = *Rumex arifolius* subsp. *amplexicaulis*

**Rumex confertus** Willd.

**Rumex** × **confusus** Simonk. = *Rumex crispus* × *Rumex patientia*

**Rumex conglomeratus** Murray

**Rumex** × **conspersus** Hartm. = *Rumex aquaticus* × *Rumex crispus*

**Rumex crispus** L.

**Rumex cristatus** DC.

**Rumex cristatus** DC. subsp. **kernerii** (Borbás) Akeroyd & D.A. Webb

**Rumex dentatus** L. subsp. **halacsyi** (Rech. pat.) Rech. f.

(*Rumex digynus* L.) = *Oxyria digyna*

(*Rumex divaricatus* L.) = *Rumex pulcher* subsp. **woodsii**

(*Rumex domesticus* Hartm.) = *Rumex longifolius*

(*Rumex domesticus* Hartm. subsp. **ruthenicus** Lonacz. ex Pawl., nom. nud.) = *Rumex patientia* subsp. **orientalis**

[*Rumex euxinus* Klokov] = *Rumex tuberosus* subsp. **turcomanicus**

(*Rumex fasciobus* Klokov) = *Rumex acetosella* subsp. **asetoselloides**

(*Rumex fennicus* (Murb.) Murb.) = *Rumex pseudonatronatus*

(*Rumex graecus* Boiss. & Heldr.) = *Rumex cristatus* subsp. **cristatus**

(*Rumex halacsyi* Rech.) = *Rumex dentatus* subsp. **halacsyi**

(*Rumex haplorhizus* Czern. ex Turcz.) = *Rumex thyrsoflorus*

(*Rumex hastifolius* M. Bieb.) = *Rumex scutatus* subsp. **hastifolius**

**Rumex** × **heterophyllus** Schultz = *Rumex aquaticus* × *Rumex hydrolapathum*

**Rumex hydrolapathum** Huds.

**Rumex** × **intercedens** Rech. = *Rumex crispus* × *Rumex stenophyllus*

[*Rumex kernerii* Borbás] = *Rumex cristatus* subsp. **kernerii**

(*Rumex* × **knekii** Rech.) = *Rumex* × **pratensis**

**Rumex** × **larinii** Borodina = *Rumex maritimus* × *Rumex marschallianus*

[*Rumex lonaczewskii* Klokov] = *Rumex patientia* subsp. **orientalis**

**Rumex longifolius** DC.

**Rumex maritimus** L.

**Rumex marschallianus** Rechb.

(*Rumex montanus* Desf.) = *Rumex arifolius*

**Rumex obtusifolius** L.

**Rumex obtusifolius** L. subsp. **subalpinus** (Schur) Čelak.

**Rumex obtusifolius** L. subsp. **sylvestris** (Lam.) Čelak.

**Rumex obtusifolius** L. subsp. **transiens** (Simonk.) Rech. f.

(*Rumex odontocarpus* Sándor ex Borbás) = *Rumex stenophyllus*

(*Rumex orientalis* Bernh. 1830, non Campd. 1819) = *Rumex patientia* subsp. **orientalis**

**Rumex palustris** Smith

(*Rumex papularis* Boiss. & Reuter) = *Rumex thyrsoflorus* subsp. **papillaris**

**Rumex patientia** L.

**Rumex patientia** L. subsp. **orientalis** Danser

**Rumex** × **pratensis** Mert. & W.D.J. Koch = *Rumex crispus* × *Rumex obtusifolius*

**Rumex pseudoalpinus** Hoefft

**Rumex pseudonatronatus** (Borbás) Borbás ex Murb.

**Rumex pulcher** L.

(*Rumex pulcher* L. subsp. **divaricatus** (L.) Murb.) = *Rumex pulcher* subsp. **woodsii**

**Rumex pulcher** L. subsp. **raulinii** (Boiss.) Rech. f.

**Rumex pulcher** L. subsp. **woodsii** (De Not.) Arcang.

(*Rumex raulinii* Boiss.) = *Rumex pulcher* subsp. **raulinii**

{*Rumex reticulatus* auct. non Besser} = *Rumex dentatus* subsp. **halacsyi**

(*Rumex rugosus* Campd.) = *Rumex arifolius* subsp. *amplexicaulis*

**Rumex × salicetorum** Rech. = *Rumex crispus* × *Rumex pseudonatronatus*

(*Rumex salicifolius* Weinm. subsp. *triangulivalvis* Danser) = *Rumex triangulivalvis*

(*Rumex salicifolius* Weinm. var. *triangulivalvis* (Danser) Hickman) = *Rumex triangulivalvis*

**Rumex sanguineus** L.

**Rumex × schreberi** Hausskn. = *Rumex crispus* × *Rumex hydrolapathum*

**Rumex × schulzei** Hausskn. = *Rumex conglomeratus* × *Rumex crispus*

**Rumex scutatus** L.

{*Rumex scutatus* L. subsp. *glaucus* sensu Gaudin ex Wulf, non *R. glaucus* Jacq.} = *Rumex scutatus* subsp. *hastifolius*

**Rumex scutatus** L. subsp. *hastifolius* (M.Bieb.) Borodina

**Rumex × skofitzii** Blocki = *Rumex confertus* × *Rumex crispus*

**Rumex × stenophylloides** Simonk. = *Rumex maritimus* × *Rumex stenophyllus*

**Rumex stenophyllus** Ledeb.

(*Rumex sylvestris* (Lam.) Wallr.) = *Rumex obtusifolius* subsp. *sylvestris*

(*Rumex sylvestris* (Lam.) Wallr. var. *transiens* Simonk.) = *Rumex obtusifolius* subsp. *transiens*

**Rumex thyrsiflorus** Fingerh.

**Rumex thyrsiflorus** Fingerh. subsp. *papillaris* (Boiss. & Reuter) Sagredo & Malag.

**Rumex triangulivalvis** (Danser) Rech.f.

**Rumex tuberosus** L. subsp. *turcomanicus* Rech.f.

(*Rumex tuberosus* L. subsp. *euxinus* (Klokov) Borodina) = *Rumex tuberosus* subsp. *turcomanicus*

**Rumex ucranicus** Fisch. ex Spreng.

Conservation status: ERL (R).

**Rumex × weberi** Fisch.-Benz. = *Rumex hydrolapathum* × *Rumex obtusifolius*

(*Rumex woodsii* De Not.) = *Rumex pulcher* subsp. *woodsii*

## FAMILY Portulacaceae

\*!**Portulaca grandiflora** Hook.

**Portulaca oleracea** L.

\***Portulaca oleracea** L. subsp. *sativa* (Haw.) Schuebl. & G.Martens

(*Portulaca sativa* Haw.) = *Portulaca oleracea* subsp. *sativa*

## FAMILY Primulaceae

**Anagallis arvensis** L.

(*Anagallis arvensis* L. subsp. *foemina* (Mill.) Schinz & Thell.) = *Anagallis foemina*

(*Anagallis caerulea* Schreb.) = *Anagallis foemina*

**Anagallis foemina** Mill.

[*Anagallis minima* (L.) E.Krause] = *Centunculus minimus*

?**Anagallis tenella** (L.) L.

Note: Uncertain records from Crimea



**Androsace bidentata** K.Koch

Note: Reported for Crimea, Alushta (V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54).

**Androsace elongata** L.

**Androsace koso-poljanskii** Ovcz.

Conservation status: RDBU (1); IUCN RL (1); ERL (R).

**Androsace maxima** L. subsp. **turczaninovii** (Freyn) Fed.

**Androsace septentrionale** L.

**Androsace taurica** Ovcz.

[**Androsace turczaninovii** Freyn] = **Androsace maxima** subsp. **turczaninovii**

[**Androsace villosa** L. subsp. **koso-poljanskii** (Ovcz.) Fed.] = **Androsace koso-poljanskii**

[**Androsace villosa** L. subsp. **taurica** (Ovcz.) Fed.] = **Androsace taurica**

**Asterolinon linum-stellatum** (L.) Duby

**Centunculus minimus** L.

**Cortusa matthioli** L.

{**Cyclamen coum** auct. non Mill.} = **Cyclamen kuznetzovii**

{**Cyclamen europaeum** auct. non L.} = **Cyclamen purpurascens**

**Cyclamen kuznetzovii** Kotov & Czernowa ~ **Cyclamen coum** s.l.

Conservation status: RDBU (1); IUCN RL (E); ERL (R).

\***Cyclamen purpurascens** Mill.

**Glaux maritima** L.

**Hottonia palustris** L.

?**Lysimachia dubia** Sol.

Note: **Lysimachia dubia** was reported from Crimea; now extinct?

(**Lysimachia linum-stellatum** L.) = **Asterolinon linum-stellatum**

**Lysimachia nemorum** L.

**Lysimachia nummularia** L.

**Lysimachia punctata** L.

(**Lysimachia thyrsiflora** L.) = **Naumburgia thyrsiflora**

**Lysimachia verticillaris** Spreng.

(**Lysimachia verticillata** M.Bieb.) = **Lysimachia verticillaris**

**Lysimachia vulgaris** L.

**Naumburgia thyrsiflora** (L.) Rehb.

**Primula acaulis** (L.) L.

{**Primula carpathica** auct. non (Griseb. & Schenk) Fuss} = **Primula poloninensis**

**Primula elatior** (L.) Hill

**Primula farinosa** L.

Conservation status: RDBU (1).

Note: Probably extinct in the Carpathians.

**Primula halleri** J.F.Gmel.

(*Primula komarovii* Losinsk.) = *Primula sibthorpii*

**Primula macrocalyx** Bunge

**Primula minima** L.

Conservation status: RDBU (2).

(*Primula officinalis* (L.) Hill) = *Primula veris*

**Primula poloninensis** (Domin) Fed. ~ *Primula elatior*

Conservation status: ERL (R).

**Primula sibthorpii** Hoffmgg. ~ *Primula acaulis*

Conservation status: ERL (R), as *Primula komarovii*.

**Primula veris** L.

[*Primula veris* L. subsp. *macrocalyx* (Bunge) Ludi] = *Primula macrocalyx*

(*Primula vulgaris* Huds.) = *Primula acaulis*

(*Primula vulgaris* Huds. subsp. *sibthorpii* (Hoffmgg.) W.W.Smith & Forrest) = *Primula sibthorpii*

(*Primula vulgaris* Huds. subsp. *komarovii* (Losinsk.) Soó) = *Primula sibthorpii*

**Samolus valerandi** L.

**Soldanella hungarica** Simonk.

(*Soldanella marmarossiensis* Kláštersky) = *Soldanella hungarica*

**Soldanella montana** Willd.

[*Soldanella montana* Willd. subsp. *hungarica* (Simonk.) Luedi] = *Soldanella hungarica*

(*Soldanella pseudomontana* F.K.Mey.) = *Soldanella montana*

**Trientalis europaea** L.

## **FAMILY Punicaceae**

**\*Punica granatum** L.

## **FAMILY Pyrolaceae**

**Chimaphila umbellata** (L.) W.Barton

**Moneses uniflora** (L.) A.Gray

**Orthilia secunda** (L.) House

**Pyrola carpatica** Holub & Křisa ~ *Pyrola rotundifolia*

**Pyrola chlorantha** Sw.

**Pyrola media** Sw.

**Pyrola minor** L.

**Pyrola rotundifolia** L.

(*Pyrola secunda* L.) = *Orthilia secunda*

(*Pyrola umbellata* L.) = *Chimaphila umbellata*

(*Pyrola uniflora* L.) = *Moneses uniflora*

(*Ramischia secunda* (L.) Gareke) = *Orthilia secunda*

## **FAMILY \* Ranunculaceae**

**Aconitum anthora** L.

(*Aconitum anthora* L. subsp. *jacquinii* (Rchb.) Domin) = *Aconitum jacquinii*

(*Aconitum anthora* L. subsp. *nemorosum* (M.Bieb. ex Rchb.) Worosch.) = *Aconitum nemorosum*

(*Aconitum besserianum* Andrz. ortho) = *Aconitum besserianum*

**Aconitum besserianum** Andrz. ex Trautv. = *Aconitum lycoctonum* aggr.

Conservation status: RDBU (1), as *Aconitum besserianum*.

**Aconitum bucovinense** Zapal. = *Aconitum napellus* aggr.

\***Aconitum × cammarum** L. = *Aconitum napellus* × *Aconitum variegatum*

{*Aconitum cammarum* auct. non L.} = *Aconitum variegatum* s.l.

**Aconitum degenii** Gayer

**Aconitum eulophum** Rchb. ~ *Aconitum anthora* aggr.

**Aconitum firmum** Rchb. ~ *Aconitum napellus* aggr.

Conservation status: IUCN RL (V), as *Aconitum napellus* subsp. *firmum*.

**Aconitum gracile** Rchb. ~ *Aconitum variegatum* aggr.

**Aconitum hosteanum** Schur ~ *Aconitum lycoctonum* aggr.

**Aconitum jacquinii** Rchb. ~ *Aconitum anthora* aggr.

Conservation status: RDBU (3).

(*Aconitum lasiocarpum* (Rchb.) Gayer) = *Aconitum degenii*

**Aconitum lasiostomum** Rchb. ~ *Aconitum lycoctonum* aggr.

(*Aconitum leucanthum* Andrz.) = *Aconitum lasiostomum*

{*Aconitum lycoctonum* auct. non L.} = *Aconitum lasiostomum* & *Aconitum besserianum*

(*Aconitum lycoctonum* L. subsp. *carpathicum* (DC.) K. Warneke) = *Aconitum moldavicum*

(*Aconitum lycoctonum* L. subsp. *lasiostomum* (Rchb.) K. Warneke) = *Aconitum lasiostomum*

{*Aconitum lycoctonum* L. subsp. *lasiostomum* auct. non (Rchb.) K. Warneke s.str.} =  
*Aconitum besserianum* & *Aconitum rogoviczii*

(*Aconitum lycoctonum* L. subsp. *moldavicum* (Hacq. ex Rchb.) Jalas) = *Aconitum moldavicum*

(*Aconitum lycoctonum* L. subsp. *vulparia* (Rchb. ex Spreng.) Nyman) = *Aconitum vulparia*

(*Aconitum lycoctonum* L. var. *carpathicum* (DC.) Ser.) = *Aconitum moldavicum*

**Aconitum moldavicum** Hacq. ex Rchb. ~ *Aconitum lycoctonum* aggr.

(*Aconitum moldavicum* Hacq. ex Rchb. subsp. *carpathicum* (DC.) Dostál) = *Aconitum moldavicum*

(*Aconitum moldavicum* Hacq. ex Rchb. subsp. *hosteanum* (Schur) Asch. & Graebn.) =  
*Aconitum hosteanum*

**Aconitum nanum** (Baumg.) Simonk. ~ *Aconitum napellus* aggr.

**Aconitum nemorosum** M.Bieb. ex Rechb. ~ **Aconitum anthora** aggr.

**\*Aconitum napellus** L.

(**Aconitum napellus** L. subsp. **firmum** (Rechb.) Gáyer) = **Aconitum firmum**

{**Aconitum napellus** L. subsp. **tauricum** auct. non (Wulfen) Gáyer} = **Aconitum nanum**

(**Aconitum odonandrum** Wissjul., sphalm.) = **Aconitum odontandrum**

**Aconitum odontandrum** Wissjul. ~ **Aconitum variegatum** aggr.

Note: Taxonomic status uncertain. Plants collected in locus classicus (near Kiev) are probably escaped specimens of *A. × cammarum* (= *A. stoerckianum*) previously cultivated in adjacent villages.

(**Aconitum paniculatum** Lam., nom. illeg.) = **Aconitum × cammarum**

{**Aconitum paniculatum** auct. non Lam.} = **Aconitum degenii** & **Aconitum podolicum**

(**Aconitum paniculatum** Lam. var. **podolicum** Zapal.) = **Aconitum podolicum**

**Aconitum podolicum** (Zapal.) Worosch. ~ **Aconitum degenii** aggr.

Note: Taxonomic status uncertain.

**Aconitum pseudanthora** Blocki ex Pacz. ~ **Aconitum anthora** aggr.

Conservation status: RDBU (1).

**Aconitum rogoviczii** Wissjul. ~ **Aconitum lycoctonum** aggr.

(**Aconitum rogoviczii** Wissjul., ortho) = **Aconitum rogoviczii**

**Aconitum romanicum** Wolf. ~ **Aconitum napellus** aggr.

(**Aconitum stoerckianum** Rechb.) = **Aconitum × cammarum**

(**Aconitum tauricum** Wulfen subsp. **nanum** (Baumg.) Gáyer) = **Aconitum nanum**

**Aconitum variegatum** L.

(**Aconitum variegatum** L. subsp. **gracile** (Rechb.) Gáyer) = **Aconitum gracile**

(**Aconitum variegatum** L. subsp. **paniculatum** (Arcang.) Greuter & Burdet) = **Aconitum degenii** s.l.

?**Aconitum vulparia** Rechb. ex Spreng. ~ **Aconitum lycoctonum** aggr.

Note: Probably occurs in the Ukrainian Carpathians; confirmation needed because of many confusing names applied to Carpathian taxa of the *A. lycoctonum* group.

{**Actaea cimicifuga** auct. non L.} = **Cimicifuga europaea**

**Actaea spicata** L.

(**Adonanthe vernalis** (L.) Spach) = **Adonis vernalis**

(**Adonanthe wolgensis** (Steven) Chrték & Slavíková) = **Adonis wolgensis**

**Adonis aestivalis** L.

**Adonis annua** L.

(**Adonis autumnalis** L.) = **Adonis annua**

{**Adonis autumnalis** auct. non L.} = **Adonis aestivalis**

(**Adonis caudata** Steven) = **Adonis flammea**

**Adonis ericalycina** Boiss.

Note: Reported for Crimea, Sudak (see V. Golubev, 1995, Bot. Zhurn. 80(11): 46-54); needs confirmation.

**Adonis flammea** Jacq.

(**Adonis marschalliana** Andr. & Besser) = **Adonis wolgensis**

(*Adonis miniata* Besser) = *Adonis aestivalis*  
(*Adonis squarrosa* Steven) = *Adonis aestivalis*  
***Adonis vernalis* L.**  
***Adonis wolgensis* Steven**

[*Anemonastrum narcissiflorum* (L.) Holub] = *Anemone narcissiflora*

(*Anemone hepatica* L.) = *Hepatica nobilis*  
***Anemone laxa* (Ulbr.) Juz.** ~ *Anemone narcissiflora*  
Conservation status: RDBU (1).

Note: Most probably conspecific with *A. narcissiflora* s.str.

***Anemone narcissiflora* L.**  
(*Anemone narcissiflora* L. var. *laxa* Ulbr.) = *Anemone laxa*  
(*Anemone narcissiflora* L. var. *podolica* Zapal.) = *Anemone laxa*  
(*Anemone narcissifolia* L., sphalm.) = *Anemone narcissiflora*  
***Anemone nemorosa* L.**

(*Anemone patens* L.) = *Pulsatilla patens*  
(*Anemone pratensis* L.) = *Pulsatilla pratensis*  
***Anemone ranunculoides* L.**  
(*Anemone scherfelii* Ullep.) = *Pulsatilla scherfelii*  
***Anemone sylvestris* L.**

[*Anemonoides nemorosa* (L.) Holub] = *Anemone nemorosa*  
[*Anemonoides ranunculoides* (L.) Holub] = *Anemone ranunculoides*

{*Aquilegia alpina* auct. non L.} = *Aquilegia transsilvanica*  
(*Aquilegia longisepala* Zimmeter) = *Aquilegia vulgaris*  
***Aquilegia nigricans* Baumg.**

Conservation status: RDBU (1).

***Aquilegia transsilvanica* Schur**  
Conservation status: RDBU (1).

***Aquilegia vulgaris* L.**  
[*Aquilegia vulgaris* L. subsp. *nigricans* (Baumg.) Domin] = *Aquilegia nigricans*

***Atragene alpina* L.**  
(*Atragene alpina* L. subsp. *sibirica* (L.) A.Löve & D.Löve) = *Atragene sibirica*  
**\**Atragene macropetala* (Ledeb.) Ledeb.**  
**\**Atragene sibirica* L.**

***Batrachium aquatile* (L.) Dumort.**  
(*Batrachium carinatum* Schur) = *Batrachium aquatile*  
***Batrachium circinatum* (Sibth.) Spach**  
(*Batrachium divaricatum* (Schränk) Wimmer) = *Batrachium trichophyllum*  
***Batrachium fluitans* (Lam.) Wimmer**  
(*Batrachium fluviatile* (F. Weber) S.F. Gray) = *Batrachium fluitans*

(*Batrachium foeniculaceum* (Gilib.) V.Krecz.) = *Batrachium circinatum*  
(*Batrachium gilibertii* V.Krecz.) = *Batrachium aquatile*  
(*Batrachium kauffmannii* (Clere) V.Krecz.) = *Batrachium trichophyllum*  
***Batrachium rionii* (Lagger) Nyman**  
***Batrachium trichophyllum* (Chaix) Bosch**

***Buschia lateriflora* (DC.) Ovcz.**

***Callianthemum coriandrifolium* Rchb.**

Note: Reported for the Ukrainian Carpathians (see Y. Kobiv & Y. Nesteruk, 1996, Ukr Bot. Zhurn. 53(3): 219-223).

***Caltha cornuta* Schott, Nyman & Kotschy ~ *Caltha palustris* s.l.**

***Caltha laeta* Schott, Nyman & Kotschy ~ *Caltha palustris* s.l.**

***Caltha palustris* L.**

Note: All taxa of *Caltha* reported from Ukraine seem to be infraspecific entities (varieties ?) of *C. palustris* s.l.

[*Caltha palustris* L. subsp. *cornuta* (Schott, Nyman & Kotschy) Hegi] = *Caltha cornuta*

[*Caltha palustris* L. subsp. *laeta* (Schott, Nyman & Kotschy) Hegi] = *Caltha laeta*

(*Caltha vulgaris* Schott, Nyman & Kotschy) = *Caltha palustris*

***Ceratocephala falcata* (L.) Pers. aggr.**

Note: M. Klokov recognized both *C. incurva* and *C. platyceras*, and reported them from Crimea instead of *C. falcata*. See discussion in M. Klokov (1978, *Novitates Systematicae Plantarum Vascularium et Non Vascularium* (Kiev) 1977: 7-73), and J. Chrtek & A. Chrtková (1976, *Preslia* 48: 113-123). Occurrence of *C. falcata* in Ukraine needs confirmation.

[*Ceratocephala falcata* (L.) Pers. subsp. *incurva* (Steven) Chrtek & Chrtkova] -

*Ceratocephala incurva*

***Ceratocephala incurva* Steven ~ *Ceratocephala falcata* aggr.**

(*Ceratocephala orthoceras* DC.) = *Ceratocephala testiculata*

(*Ceratocephala platyceras* Steven) = *Ceratocephala falcata*

***Ceratocephala testiculata* (Crantz) Besser**

(*Ceratocephalus*, ortho) = *Ceratocephala*

***Cimicifuga europaea* Schipcz.**

{*Cimicifuga foetida* auct. non L.} = *Cimicifuga europaea*

[*Clematis alpina* (L.) Mill.] = *Atragene alpina*

***Clematis flammula* L.**

***Clematis integrifolia* L.**

**\**Clematis jackmannii* Moore**

***Clematis lathyrifolia* Besser ex Rchb. ~ *Clematis recta* s.l.**

***Clematis orientalis* L.**

**Clematis recta** L.

**Clematis vitalba** L.

**\*Clematis viticella** L.

Note: Ca. 25 ornamental species and many garden forms and hybrids of *Clematis* are cultivated in botanical gardens and parks.

(*Consolida ambigua* (L.) P.W.Ball & Heywood) = *Consolida ajacis*

(*Consolida arvensis* Opiz) = *Consolida regalis*

**\*!Consolida ajacis** (L.) Schur

[*Consolida ajacis* (L.) Schur subsp. *orientalis* (J.Gay ex Gren. & Godr.) Schmalh.] =

*Consolida orientalis*

**Consolida divaricata** (Ledeb.) Schroedinger ~ *Consolida regalis* aggr.

(*Consolida hispanica* (Costa) Greuter & Burdet) = *Consolida orientalis*

**Consolida orientalis** (J.Gay ex Gren. & Godr.) Schroedinger ~ *Consolida ajacis* aggr.

Note: According to some authorities, *C. orientalis* is conspecific with *C. ajacis*. If so, then the correct name for our plant would be *C. hispanica* (see W. Greuter & H. Burdet, 1989, *Willdenowia* 19: 43).

**Consolida paniculata** (Host) Schur ~ *Consolida regalis* aggr.

**Consolida regalis** S.F.Gray

[*Consolida regalis* S.F.Gray subsp. *paniculata* (Host) Soó] = *Consolida paniculata*

[*Consolida regalis* S.F.Gray subsp. *divaricata* (Ledeb.) Muntz] = *Consolida divaricata*

(*Consolida segetum* (Lam.) Schur) = *Consolida regalis*

**Delphinium cuneatum** Steven ex DC.

**Delphinium elatum** L.

Conservation status: RDBU (1).

(*Delphinium elatum* L. subsp. *nacladense* (Zapal.) Holub) = *Delphinium nacladense*

{*Delphinium fissum* auct. non Waldst. & Kit.} = *Delphinium pallasii*

(*Delphinium fissum* Waldst. & Kit. subsp. *pallasii* (Nevski) Greuter & Burdet) =

*Delphinium pallasii*

(*Delphinium hybridum* L., nom. ambig. & nom. conf.) = *Delphinium cuneatum*

{*Delphinium hybridum* sensu Steven ex Willd. & Steven ex DC., non L.} = *Delphinium pallasii* & *Delphinium sergii*

(*Delphinium hybridum* Steven ex Willd. subsp. *puniceum* (Pall.) Schmalh.) = *Delphinium puniceum*

(*Delphinium intermedium* Sol.) = *Delphinium elatum*

{*Delphinium leiocarpum* auct. non Hutt.} = *Delphinium schmalhausonii*

**Delphinium litwinowii** Sambuk ~ *Delphinium cuneatum* s.l.

Note: Probably a synonym of *D. cuneatum* s.str.

**Delphinium nacladense** Zapal. = *Delphinium elatum*

**Delphinium pallasii** Nevski ~ *Delphinium fissum*

Conservation status: RDBU (3); IUCN RL (1), as *Delphinium fissum* s.l.

Note: Probably conspecific with *D. fissum*.

**Delphinium puniceum** Pall.

Conservation status: RDBU (1).

(*Delphinium rossicum* Litv.) = *Delphinium cuneatum*

{*Delphinium schmalhauseni* auct. non Albov} = *Delphinium sergii*

***Delphinium sergii*** Wissjul. ~ *Delphinium schmalhauseni*

Conservation status: RDBU (3).

Note: See discussion on taxonomy of *Aconitum* in Ukraine (O. Dubovik, 1991, Ukr. Bot. Zhurn. 48(1): 21-25).

***Ficaria bulbifera*** Holub ~ *Ficaria verna* aggr.

***Ficaria calthifolia*** Rchb. ~ *Ficaria verna* aggr.

(*Ficaria nudicaulis* A.Kern.) = *Ficaria calthifolia*

***Ficaria stepporum*** P.Smirt. ~ *Ficaria verna* aggr.

***Ficaria verna*** Huds. aggr.

Note: In Ukraine this aggregate is represented mostly by the tetraploid (occasionally triploid ?) species or subspecies *F. bulbifera* (= *F. verna* subsp. *bulbifera*); another group consists of closely related *F. calthifolia* and *F. stepposa*. In addition to these taxa, *F. grandiflora* Robert (= *F. popovii* A.P.Khokhr.) may be expected in Crimea. The diploid *F. verna* subsp. *verna* (= *Ranunculus ficaria* subsp. *ficaria*) occurs in W Europe.

[*Ficaria verna* Huds. subsp. *calthifolia* (Rchb.) Velen.] = *Ficaria calthifolia*

[*Ficaria verna* subsp. *bulbifera* A.Löve & D.Löve] = *Ficaria bulbifera*

[*Garidella nigellastrum* L.] = *Nigella nigellastrum*

**\*!Helleborus dumetorum** Waldst. & Kit.

***Helleborus niger*** L.

Conservation status: RDBU (1).

Note: This species is probably represented in Ukraine by cultivated and escaped plants.

***Helleborus purpurascens*** Waldst. & Kit.

**\*!Helleborus viridis** L.

***Hepatica nobilis*** Schreb.

***Isopyrum thalictroides*** L.

***Myosurus minimus*** L.

***Nigella arvensis*** L.

**\*!Nigella damascena** L.

(*Nigella damascena* L. subsp. *elata* (Boiss.) N.Terracc.) = *Nigella elata*

***Nigella elata*** Boiss.

Note: Reported from Crimea (see J. Jalas & J. Suominen, 1989, *Atlas Fl. Europ.* 8: 36). (*Nigella garidella* Spenner) = *Nigella nigellastrum*

***Nigella nigellastrum*** (L.) Willk.

Note: See also *Garidella*.

**\*!Nigella sativa** L.

***Nigella segetalis*** M.Bieb.

(*Nigella taurica* Steven) = *Nigella elata*



{*Pulsatilla alba* auct. non Rehb. s.str., nom. illeg.} = *Pulsatilla scherfelii*  
 {*Pulsatilla alpina* auct. non (L.) Delarbre} = *Pulsatilla scherfelii*  
 {*Pulsatilla alpina* (L.) Delarbre subsp. *alba* auct. non Domin} = *Pulsatilla scherfelii*  
 (*Pulsatilla alpina* (L.) Delarbre subsp. *alpicola* Neumayer) = *Pulsatilla scherfelii*  
 (*Pulsatilla alpina* (L.) Delarbre subsp. *austriaca* Aichele & Schwegler) = *Pulsatilla scherfelii*  
 (*Pulsatilla donetzica* Kotov) = *Pulsatilla pratensis*  
 {*Pulsatilla halleri* auct. non (All.) Willd.} = *Pulsatilla taurica*  
 (*Pulsatilla halleri* (All.) Willd. subsp. *grandis* (Wender.) Meikle) = *Pulsatilla grandis*  
 (*Pulsatilla halleri* (All.) Willd. subsp. *taurica* (Juz.) K.Krause) = *Pulsatilla taurica*  
***Pulsatilla grandis* Wender.**

Conservation status: RDBU (2).

(*Pulsatilla kioviensis* Wissjul.) = *Pulsatilla patens*

Note: Taxonomic status uncertain; the type probably belongs to *P. × wolfgangiana*.

(*Pulsatilla latifolia* Rupr.) = *Pulsatilla patens*

(*Pulsatilla litophila* Kotov) = *Pulsatilla taurica*

(*Pulsatilla montana* (Hoppe) Rehb.) = *Pulsatilla pratensis*

(*Pulsatilla nigricans* Stoerck) = *Pulsatilla pratensis*

***Pulsatilla patens* (L.) Mill.**

***Pulsatilla pratensis* (L.) Mill.**

Conservation status: RDBU (2), as *Pulsatilla nigricans*.

Note: In Ukraine represented mostly (or exclusively ?) by subsp. *nigricans* (Stoerck)

Zamels. Many other names (species and infraspecific entities) were applied to the Ukrainian plants of this variable aggregate. Their taxonomic value is dubious, and at present it is much realistic to treat *P. pratensis* in a broad sense.

***Pulsatilla scherfelii* (Ullep.) Skalicky**

Conservation status: RDBU (3), as *Pulsatilla alba*.

***Pulsatilla taurica* Juz.**

Conservation status: RDBU (3); ERL (I).

(*Pulsatilla ucrainica* (Ugr.) Wissjul.) = *Pulsatilla pratensis*

{*Pulsatilla vulgaris* auct. non Mill.} = *Pulsatilla grandis*

(*Pulsatilla vulgaris* Mill. subsp. *grandis* (Wender.) Zamels) = *Pulsatilla grandis*

***Pulsatilla × wolfgangiana* (Besser) Juz. = *Pulsatilla patens* × *Pulsatilla pratensis***

[*Ranula platanifolia* (L.) Fourr.] = *Ranunculus platanifolius*

(*Ranunculus acriformis* Soó, non A.Gray) = *Ranunculus pseudoacris*

***Ranunculus acris* L.**

(*Ranunculus acris* L. subsp. *friesianus* (Jord.) Rouy & Fouc.) = *Ranunculus stevenii*

(*Ranunculus acer* auct.) = *Ranunculus acris*

{*Ranunculus aconitifolius* auct. non L.} = *Ranunculus platanifolius*

[*Ranunculus aconitifolius* L. subsp. *platanifolius* (L.) Berher] = *Ranunculus platanifolius*

(*Ranunculus aconitifolius* L. var. *platanifolius* (L.) DC.) = *Ranunculus platanifolius*

[*Ranunculus aquatilis* L.] = *Batrachium aquatile*

***Ranunculus arvensis* L.**

**Ranunculus auricomus L.**

(*Ranunculus auricomus* L. var. *fallax* Wimmer & Grab.) = *Ranunculus fallax*

(*Ranunculus breyninus* Crantz, nom. *ambig.*) = *Ranunculus oreophilus*

{*Ranunculus breyninus* auct. non Crantz} = *Ranunculus nemorosus*

Note: The name *R. breyninus* was commonly misapplied to Carpathian populations of *R. nemorosus*.

{*Ranunculus brutius* auct. non Ten.} = *Ranunculus crimaeus*

**Ranunculus budensis** Soó ~ *Ranunculus schwarzii* aggr.

Note: Reported from Mukachevo, Transcarpathia (N. Tsvelev, 1996, *Novitates Systematicae Plantarum Vascularium* (Leningrad) 30: 53-78).

**Ranunculus bulbosus L.**

(*Ranunculus bulbosus* L. subsp. *neapolitanus* (Ten.) Lindb.f.) = *Ranunculus neapolitanus*

[*Ranunculus calthifolius* (Rchb.) Bluff, Nees & Schauer] = *Ficaria calthifolia*

**Ranunculus carpaticola** Soó ~ *Ranunculus cassubicus* aggr.

**Ranunculus carpaticus** Herbach

(*Ranunculus carpaticus* Griseb., non Herbach) = *Ranunculus thora*

**Ranunculus cassubicifolius** W.Koch ~ *Ranunculus cassubicus* aggr.

**Ranunculus cassubicus L.**

Note: This aggregate is represented in Ukraine by numerous poorly known apomictic "microspecies".

{*Ranunculus caucasicus* auct. non M.Bieb.} = *Ranunculus pavlii*

Note: Crimean records of this species refer mostly to *R. pavlii*; the name was also misapplied to *R. dissectus* and *R. crimaeus*.

[*Ranunculus caucasicus* M.Bieb. subsp. *pavlii* A.Jelen. & Derviz-Sokolova] = *Ranunculus pavlii*

**Ranunculus chius DC.**

[*Ranunculus circinatus* Sibth.] = *Batrachium circinatum*

**Ranunculus constantinopolitanus** (DC.) D'Urv.

Note: See discussion on *R. constantinopolitanus* and related species (A. Elenevsky & T. Derviz-Sokolova, 1979, *Novitates Systematicae Plantarum Vascularium* (Leningrad) 16: 114-119).

**?Ranunculus crenatus** Waldst. & Kit.

Note: Records from the Carpathians need confirmation.

**Ranunculus crimaeus** Juz.

Conservation status: ERL (R).

(*Ranunculus czywczynensis* Jasiew.) = *Ranunculus cassubicifolius*

**Ranunculus deripovae** Tzvelev ~ *Ranunculus auricomus* aggr.

Note: According to N. Tsvelev (1996, l.c.), this species is closely related to *R. obtusulus*.

**Ranunculus dissectus** M.Bieb.

Note: *Ranunculus crimaeus* and *R. dissectus* are closely related to *R. brutius* Ten.

(*Ranunculus divaricatus* Schrank) = *Batrachium trichophyllum*

{*Ranunculus divaricatus* auct. non Schrank} = *Batrachium circinatum*

**Ranunculus estherae** Soó ~ *Ranunculus szaferei* aggr.

[*Ranunculus falcatus* L.] = *Ceratocephala falcata*

**Ranunculus fallax** (Wimmer & Grab.) Sloboda

Note: Represented in Ukraine by several poorly delimited apomictic "microspecies" combining characters of the *R. auricomus* and *R. cassubicus* groups.

[*Ranunculus ficaria* L.] = *Ficaria verna* aggr.

Note: See note under *Ficaria verna*.

[*Ranunculus ficaria* L. subsp. *bulbifer* Lambinon] = *Ficaria bulbifera*

(*Ranunculus ficaria* L. subsp. *bulbifer* Lavalree, nom. illeg.) = *Ficaria bulbifera*

[*Ranunculus ficaria* L. subsp. *calthifolius* (Rthb.) A. Kern.] = *Ficaria calthifolia*

**Ranunculus flammula** L.

(*Ranunculus flammula* L. subsp. *reptans* (L.) Korsh.) = *Ranunculus reptans*

[*Ranunculus fluitans* Lam.] = *Batrachium fluitans*

(*Ranunculus fluviatilis* F. Weber) = *Batrachium fluitans*

(*Ranunculus friesianus* Jord.) = *Ranunculus stevenii*

{*Ranunculus friesianus* auct. non Jord.} = *Ranunculus nemorivagus*

(*Ranunculus friesianus* Jord. subsp. *strigulosus* (Schur) A. Jelen. & Derviz-Sokolova) = *Ranunculus stevenii*

**?Ranunculus glacialis** L.

Note: May be expected in the Carpathians.

**Ranunculus gayeri** Soó ~ *Ranunculus fallax* aggr.

Note: Reported from Uman, Cherkasy region (N. Tsvelev, 1996, l.c.).

(*Ranunculus heterophyllus* F. Weber) = *Batrachium aquatile*

**Ranunculus heuffelii** Soó ~ *Ranunculus schwarzii* aggr.

Note: Reported from Kiev and Dnepropetrovsk (Tsvelev, 1996, l.c.).

(*Ranunculus hornschiuchii* Hoppe) = *Ranunculus oreophilus*

{*Ranunculus hornschiuchii* auct. non Hoppe} = *Ranunculus zapalowiczii*

**?Ranunculus hungaricus** Soó ~ *Ranunculus cassubicus* aggr.

Note: No exact Ukrainian localities known; probably occurs in the Carpathians.

**Ranunculus illyricus** L.

**Ranunculus kalinensis** Jasiew. ~ *Ranunculus fallax* aggr.

(*Ranunculus kauffmannii* Clerc.) = *Batrachium trichophyllum*

(*Ranunculus kitaibelii* Soó) = *Ranunculus estherae*

{*Ranunculus kladnii* auct. non Schur} = *Ranunculus malinovskii*

**Ranunculus lanuginosus** L.

**Ranunculus lapponicus** L.

[*Ranunculus lateriflorus* DC.] = *Buschia lateriflora*

**Ranunculus lingua** L.

**Ranunculus malinovskii** A. Jelen. & Derviz-Sokolova ~ *Ranunculus acris* aggr.

Conservation status: ERL (R).

Note: See A. Elenevsky & T. Derviz-Sokolova (1986, *Novitates Systematicae*

*Plantarum Vascularium* (Leningrad) 23: 55-60). The species is closely related to, or conspecific with, *R. serbicus* Vis.

{*Ranunculus marginatus* auct. non D'Urv.} = *Ranunculus trachycarpus*

**Ranunculus marginicolus** Jasiew. ~ *Ranunculus cassubicus* aggr.

**Ranunculus marmarosensis** Soó ~ *Ranunculus cassubicus* aggr.

**Ranunculus meyerianus** Rupr. ~ *Ranunculus polyanthemus* aggr.

- (*Ranunculus meridionalis* Grossh.) = *Ranunculus illyricus*  
 {*Ranunculus montanus* auct. non Willd.} = *Ranunculus pseudomontanus*  
 Note: Carpathian plants were segregated as *R. pseudomontanus* s.str.
- Ranunculus muricatus* L.**
- Ranunculus neapolitanus* Ten.** ~ *Ranunculus bulbosus* aggr.
- Ranunculus nemorivagus* Jord.** ~ *Ranunculus acris* aggr.  
 Note: A rare alien species; reported from Kharkiv (N. Tsvelev, 1994, Byull. MOIP, Ser. Biol. 99(5): 64-76).
- Ranunculus nemorosus* DC.** ~ *Ranunculus polyanthemus* aggr.  
 Note: Reported for the Carpathians (see N. Tsvelev, 1994, l.c.).
- Ranunculus obtusulus* Markl.** ~ *Ranunculus auricomus* aggr.
- Ranunculus odessanus* Klovov f.** ~ *Ranunculus pedatus*  
 Note: Very closely related to, or probably conspecific with, *R. pedatus*.
- Ranunculus ophioglossifolius* Vill.**
- Ranunculus orbicans* (Markl.) Ericss.** ~ *Ranunculus auricomus* aggr.  
 Note: According to Tsvelev (1996, l.c.), this species belongs to the *R. aggr. biformis* W.Koch; it is known in Ukraine from Kharkiv and Lebedin.
- Ranunculus oreophilus* M.Bieb.** ~ *Ranunculus montanus* aggr.  
 Note: Reported from the Carpathians and Crimea.
- Ranunculus oxyspermus* Willd.**
- Ranunculus pannonicus* Soó** ~ *Ranunculus auricomus* aggr.  
 Note: This species is very close to *R. obtusulus* Markl.
- Ranunculus pavlii* (A.Jelen. & Derviz-Sokolova) Tzvelev**  
 Note: This species is closely related to *R. brutius* Ten. (see A. Elenevsky & T. Derviz-Sokolova, 1986, Novitates Systematicae Plantarum Vascularium (Leningrad) 23: 55-60)
- Ranunculus pawlowskii* Jasiew.** ~ *Ranunculus schwarzii* aggr.  
 Note: Reported from Vinnitsa (N. Tsvelev, 1996, l.c.).
- Ranunculus pedatus* Waldst. & Kit.**
- Ranunculus platanifolius* L.**
- Ranunculus polyanthemoides* Boreau** ~ *Ranunculus polyanthemus* aggr.  
 Note: Reported for the Carpathians (see N. Tsvelev, 1994, l.c.).
- Ranunculus polyanthemus* L.**  
 (*Ranunculus polyanthemus* L. subsp. *meyerianus* (Rupr.) A.Jelen. & Derviz-Sokolova)  
*Ranunculus meyerianus*  
 (*Ranunculus polyanthemus* L. subsp. *nemorosus* (DC.) Korsh.) = *Ranunculus nemorosus*  
 (*Ranunculus polyanthemus* L. subsp. *polyanthemoides* (Boreau) Ahlfv.) = *Ranunculus polyanthemoides*
- Ranunculus polyphyllus* Waldst. & Kit. ex Willd.**
- Ranunculus polyrhizos* Stephan ex Willd.**
- Ranunculus pseudoacris* Tzvelev** ~ *Ranunculus auricomus* aggr.  
 Note: Reported for Kiev, Lubny, and Ternopil (Tsvelev, 1996, l.c.).
- (*Ranunculus pseudobulbosus* Schur) = *Ranunculus sardous*
- Ranunculus pseudomontanus* Schur** ~ *Ranunculus montanus* aggr.  
 (*Ranunculus pseudovillarsii* Schur) = *Ranunculus oreophilus*
- Ranunculus rapaiscianus* Soó** ~ *Ranunculus szaferi* aggr.

Note: Reported in Ukraine from Sataniv, Khmelnytsk region (Tsvelev, 1996, l.c.).

**Ranunculus reichenbachii** Soó ~ *Ranunculus szaferi* aggr.

Note: Reported in Ukraine from Kharkiv and Kherson regions (Tsvelev, 1996, l.c.); can be expected in other regions.

**Ranunculus repens** L.

**Ranunculus reptans** L.

**Ranunculus rhombilobus** Borch.-Kolb.

Note: This species is closely related to the Central European *R. latisectus* W.Koch.

[*Ranunculus rionii* Lager] = *Batrachium rionii*

{*Ranunculus rutifolius* auct. non L.} = *Callianthemum coriandrifolium*

**Ranunculus sardous** Crantz

**Ranunculus sartorianus** Boiss. & Heldr. ~ *Ranunculus montanus* aggr.

Note: Reported from yailas of the Crimean Mountains (Tsvelev, 1994, l.c.).

**Ranunculus schilleri** Soó ~ *Ranunculus auricomus* aggr.

Note: This species belongs to the *R. biformis* W.Koch group; it is known in Ukraine from the Carpathians and Poltava region (Tsvelev, 1996, l.c.).

**Ranunculus schwarzii** Jasiew.

Note: This species aggregate is intermediate between *R. cassubicus* aggr. and *R. fallax* aggr.

**Ranunculus sceleratus** L.

(*Ranunculus scutatus* Waldst. & Kit.) = *Ranunculus thora*

**Ranunculus scythicus** Klokov ~ *Ranunculus illyricus*

Note: Very closely related to *R. illyricus*, or probably conspecific with the latter.

(*Ranunculus serotinus* (Błocki) Pacz.) = *Ranunculus cassubicus*

(*Ranunculus silvaticus* Fr. 1843, non Thuill. 1799) = *Ranunculus stevenii*

{*Ranunculus silvaticus* auct. non Thuill.} = *Ranunculus malinovskii*

**Ranunculus silvestraceus** Dubovik ~ *Ranunculus pedatus*

Note: Probably conspecific with *R. pedatus* s.str.

**Ranunculus slovacus** Soó ~ *Ranunculus auricomus* aggr.

**Ranunculus stevenii** Andr.

(*Ranunculus strigulosus* Schur) = *Ranunculus stevenii*

(*Ranunculus subcarpathicus* Soó) = *Ranunculus carpaticola*

**Ranunculus szaferi** Jasiew.

Note: The *R. szaferi* aggregate is closely related to the *R. cassubicus* group.

(*Ranunculus tatarae* Borbás) ~ *Ranunculus thora*

[*Ranunculus testiculatus* Crantz] = *Ceratocephala testiculata*

**Ranunculus thora** L.

Conservation status: RDBU (2), as *Ranunculus tatarae*.

**Ranunculus trachycarpus** Fisch. & C.A.Mey.

[*Ranunculus trichophyllus* Chaix] = *Batrachium trichophyllum*

(*Ranunculus tuberosus* Lapeyr.) = *Ranunculus nemorosus*

(*Ranunculus villosus* DC. subsp. *constantinopolitanus* (DC.) A.Jelen.) = *Ranunculus constantinopolitanus*

{*Ranunculus villarsii* auct. non DC.} = *Ranunculus oreophilus*

**Ranunculus zapalowiczii** Pacz. ~ *Ranunculus montanus* aggr.

Note: *Ranunculus zapalowiczii* is very closely related to *R. oreophilus*.

**Ranunculus zmudae** Jasiew. ~ *Ranunculus schwarzii* aggr.

**?Thalictrum alpinum L.**

Note: Reported for the Carpathians (Fl. Ukr. 1953, 5: 139); no exact data available.

{Thalictrum angustifolium auct. non L.} = Thalictrum lucidum

(Thalictrum angustifolium Besser, non L.) = Thalictrum minus

**Thalictrum aquilegiifolium L.**

[Thalictrum bauhinii Crantz] = Thalictrum simplex subsp. galioides

**Thalictrum flavum L.**

(Thalictrum flexuosum Bernh. ex Rchb.) = Thalictrum minus

**Thalictrum foetidum L.**

Conservation status: RDBU (3).

(Thalictrum galioides Pers.) = Thalictrum simplex subsp. galioides

**Thalictrum lucidum L.**

**Thalictrum minus L.**

Note: A very polymorphic species in need of critical revision; in Ukraine it is represented by at least 3 infraspecific entities (subspecies or segregate species).

Their taxonomy and nomenclature are much confused; because of that we do not recognize them here formally.

{Thalictrum minus L. subsp. olympicum auct. non (Boiss. & Heldr.) Strid} = Thalictrum minus s.l.

{Thalictrum minus L. subsp. saxatile auct. non Cesati} = Thalictrum minus s.l.

(Thalictrum minus L. subsp. flexuosum (Bernh. ex Rchb.) Beck) = Thalictrum minus s.l.

{Thalictrum petaloideum auct. non L.} = Thalictrum uncinatum s.str.

**?Thalictrum podolicum Lecoyer**

Note: Described from Ukraine (Podolia); no new collections available. Taxonomic status uncertain (probably a form of T. uncinatum).

**Thalictrum simplex L.**

(Thalictrum simplex L. subsp. bauhinii (Crantz) Tutin) = Thalictrum simplex subsp. galioides

**Thalictrum simplex L. subsp. galioides (Pers.) Korsh.**

(Thalictrum transsilvanicum Schur) = Thalictrum minus s.l.

**Thalictrum uncinatum Rehman**

Conservation status: RDBU (1).

**Trollius altissimus Crantz ~ Trollius europaeus s.l.**

**Trollius europaeus L.**

(Trollius europaeus L. subsp. tatrae (Borbás) Pocs & Balogh) = Trollius altissimus

[Trollius europaeus L. subsp. transsilvanicus (Schur) Domin & Podp.] = Trollius altissimus

(Trollius tatrae (Borbás) Borbás) = Trollius altissimus

(Trollius transsilvanicus Schur) = Trollius altissimus

**FAMILY Resedaceae**

**Reseda inodora Rchb.**

**Reseda lutea L.**

*Reseda luteola* L.  
\**Reseda odorata* L.

## **FAMILY Rhamnaceae**

\**Ceanothus americanus* L.  
\**Ceanothus fendleri* A.Gray

*Frangula alnus* Mill.  
\**Frangula purschiana* Coop.  
\**Frangula rupestris* (Scop.) Schur

*Paliurus spina-christi* Mill.

\*!*Rhamnus alaternus* L.  
*Rhamnus cathartica* L.  
\**Rhamnus dahurica* Pall.  
(*Rhamnus frangula* L.) = *Frangula alnus*  
\**Rhamnus imeretina* Booth  
(*Rhamnus paliurus* L.) = *Paliurus spina-christi*  
\**Rhamnus pallasii* Fisch. & C.A.Mey.

Note: Several other species of *Rhamnus* are cultivated in botanical gardens.  
[*Rhamnus saxatilis* Jacq. subsp. *tinctoria* (Waldst. & Kit.) Nym.] = *Rhamnus tinctoria*  
*Rhamnus tinctoria* Waldst. & Kit.

Conservation status: RDBU (1).  
(*Rhamnus ziziphus* L.) = *Ziziphus jujuba*

\**Ziziphus jujuba* Mill.

## **FAMILY Rosaceae**

(*Agrimonia adscendens* Andr.) = *Agrimonia eupatoria*  
(*Agrimonia agrimonoides* L.) = *Agrimonia agrimonoides*  
*Agrimonia eupatoria* L.  
(*Agrimonia glandulosa* (Simonk.) Simonk.) = *Agrimonia procera*  
(*Agrimonia godetiana* Andr.) = *Agrimonia pilosa*  
*Agrimonia grandis* Andr. ex C.A.Mey.  
{*Agrimonia odorata* auct. non Mill.} = *Agrimonia procera*  
(*Agrimonia officinalis* Lam. ex Poir.) = *Agrimonia eupatoria*  
*Agrimonia pilosa* Ledeb.  
*Agrimonia procera* Wallr.  
(*Agrimonia robusta* Andr.) = *Agrimonia procera*

(*Alchemilla acutangula* Buser) = *Alchemilla acutiloba*

Note: See recent treatment of *Alchemilla* in the Carpathians (N. Sychak, 1996, PhD. thesis).

**Alchemilla acutiloba** Opiz  
 (Alchemilla acutiloba Steven) = Alchemilla mollis  
**Alchemilla aemula** Juz. ~ Alchemilla hebescons  
**Alchemilla alpestris** F.W.Schmidt  
**Alchemilla arcuatiloba** Juz.  
**Alchemilla babiogorensis** Pawl.  
**Alchemilla baltica** Sam. ex Juz.  
**Alchemilla braun-blauquetii** Pawl.  
**Alchemilla brevidens** Juz. ~ Alchemilla nemoralis  
**Alchemilla bucovinensis** Sytschak  
**Alchemilla buschii** Juz.  
**Alchemilla camptopoda** Juz.  
**Alchemilla crebridens** Juz.  
**Alchemilla crinita** Buser  
**Alchemilla cymatophylla** Juz.  
**Alchemilla czywczynensis** Pawl.  
**Alchemilla deylii** Plocek  
**Alchemilla exsanguis** Juz. ~ Alchemilla lithophila  
**Alchemilla exuens** Juz.  
**Alchemilla flabellata** Buser  
**Alchemilla firma** Buser  
**Alchemilla fissa** Gunther & Schummel  
**Alchemilla glabra** Neygenf.  
**Alchemilla glaucescens** Wallr.  
**Alchemilla glomerulans** Buser  
**Alchemilla gorcensis** Pawl.  
**Alchemilla gracilis** Opiz  
**Alchemilla hebescons** Juz.  
**Alchemilla heptagona** Juz.  
**Alchemilla hirsutissima** Juz.  
**Alchemilla howerlensis** M.Pawlus & Lowelius  
**Alchemilla inberbis** Juz. ~ Alchemilla arcuatiloba  
**Alchemilla incisa** Buser  
**Alchemilla jailae** Juz.  
**Alchemilla kornasiana** Pawl.  
**Alchemilla ladislai** Pawl.  
**Alchemilla languescens** Juz. ~ Alchemilla stevenii  
**Alchemilla lithophila** Juz.  
**Alchemilla micans** Buser  
**Alchemilla mollis** (Buser) Rothm.  
**Alchemilla monticola** Opiz  
**Alchemilla nemoralis** Alech.  
**Alchemilla obtusa** Buser  
 (Alchemilla pastoralis Buser) = Alchemilla monticola  
**Alchemilla phlegophila** Juz.



**Alchemilla propinqua** Lindb.f. ex Juz.  
**Alchemilla pseudincisa** Pawl.  
**Alchemilla pycnantha** Juz. = *Alchemilla hebescons*  
**Alchemilla reniformis** Buser  
**Alchemilla sarmatica** Juz.  
**Alchemilla smytniensis** Pawl.  
**Alchemilla stevenii** Buser  
**Alchemilla subconnivens** Pawl.  
**Alchemilla subcrenata** Buser  
**Alchemilla szaferi** Pawl.  
**Alchemilla turkulensis** Pawl.  
**Alchemilla tyttantha** Juz.  
**Alchemilla vinacea** Juz.  
**Alchemilla vulgaris** L. aggr.

Note: *Alchemilla vulgaris* s.str. (1753) is probably conspecific with *A. acutiloba* (1838).

**Alchemilla walasii** Juz.  
**Alchemilla xanthochlora** Rothm.  
**Alchemilla zapalowiczii** Pawl.

\***Amelanchier canadensis** (L.) Medik.  
 (*Amelanchier canadensis* (L.) Medik. subsp. *spicata* (Lam.) A.Löve & D.Löve) =  
     *Amelanchier spicata*  
 (*Amelanchier humilis* Wiegand) = *Amelanchier spicata*  
**Amelanchier ovalis** Medik.  
 (*Amelanchier rotundifolia* (Lam.) Dum.-Cours., nom. illeg.) = *Amelanchier ovalis*  
 \***Amelanchier spicata** (Lam.) K.Koch  
 (*Amelanchier vulgaris* Moench) = *Amelanchier ovalis*

(*Amygdalus campestris* Besser) = *Amygdalus nana*  
 \***Amygdalus communis** L.  
**Amygdalus nana** L.  
 (*Amygdalus persica* L.) = *Persica vulgaris*

**Aphanes arvensis** L.  
 (*Aphanes vulgaris* Schur) = *Aphanes arvensis*

**Aremonia agrimonoides** (L.) DC.

\*!**Armeniaca vulgaris** Lam.

\***Aronia melanocarpa** (Michx.) Elliot  
 \***Aronia × prunifolia** (Marshall) Rehder

Note: Cultivated aronias commonly known collectively as "*Aronia melanocarpa*" are often represented by garden hybrids between *Aronia arbutifolia* (L.) Pers. and *A. melanocarpa* (Michx.) Elliot.

**Aruncus dioicus** (Walter) Fernald  
{*Aruncus vulgaris* auct. non Raf.} = *Aruncus dioicus*

**Cerasus avium** (L.) Moench

**Cerasus fruticosa** (Pall.) Woronow

\***Cerasus japonica** (Thunb.) Loisel.

**Cerasus klokovii** Sobko ~ *Cerasus fruticosa*

Conservation status: ROBU (I).

(*Cerasus laurocerasus* (L.) Loisel.) = *Laurocerasus officinalis*

**Cerasus mahaleb** (L.) Mill.

(*Cerasus serotina* (Ehrh.) Loisel.) = *Padus serotina*

\*!**Cerasus tomentosa** (Thunb.) Wall.

(*Cerasus virginiana* (L.) Loisel., non Michx.) = *Padus virginiana*

\*!**Cerasus vulgaris** Mill.

\***Chaenomeles japonica** (Thunb.) Lindl.

{*Chaenomeles japonica* auct. non (Thunb.) Lindl.} = *Chaenomeles speciosa*

(*Chaenomeles maulei* (Mast.) Lavalley) = *Chaenomeles japonica*

\***Chaenomeles speciosa** (Sweet) Nakai

\***Chaenomeles × superba** (Frahm) Rehder = *Chaenomeles japonica* × *Chaenomeles speciosa*

[*Comarum palustre* L.] = *Potentilla palustris*

**Cotoneaster integerrimus** Medik.

**Cotoneaster melanocarpus** Fisch. ex Blytt

**Cotoneaster tauricus** Pojark.

Conservation status: IUCN RL (R); ERL (R).

Note: Several exotic species of *Cotoneaster* are cultivated in gardens and parks.

**Crataegus alutacea** Klokov

**Crataegus ambigua** C.A.Mey. ex A.Becker

**Crataegus azarella** Griseb.

{*Crataegus calycina* auct. non Peterm.} = *Crataegus lindmanii*

**Crataegus ceratocarpa** Kossykh

\***Crataegus coccinea** L.

Note: Many other exotic species of *Crataegus* are cultivated in botanical gardens and parks. Judging from available data, taxonomy of cultivated taxa is much confused.

\***Crataegus crus-galli** L.

**Crataegus curvisepala** Lindm.

{*Crataegus curvisepala* sensu Pojark.} = *Crataegus pseudokyrstostyla*

**Crataegus dipyrena** Pojark.

**Crataegus fallacina** Klokov

(*Crataegus helenolae* Grynj & Klokov) ~ *Crataegus ambigua*

**Crataegus karadaghensis** Pojark.

Conservation status: IUCN RL (R); ERL (R).

*Crataegus klokovii* Ivaschin ~ *Crataegus pentagyna*  
*Crataegus laevigata* (Poir.) DC.  
*Crataegus leiomonogyna* Klokov ~ *Crataegus monogyna*  
*Crataegus lindmanii* Hrabětová-Uhrová  
*Crataegus lipskyi* Klokov ~ *Crataegus monogyna*  
*Crataegus microphylla* K.Koch  
*Crataegus monogyna* Jacq.  
*Crataegus orientalis* Pall. ex M.Bieb.  
{*Crataegus oxyacantha* L., nom. unique rej.} = *Crataegus laevigata*  
*Crataegus pallasii* Griseb.  
*Crataegus pentagyna* Waldst. & Kit.  
*Crataegus pinnatifida* Bunge  
*Crataegus pojarkovae* Kossykh  
Conservation status: RDBU (1); IUCN RL (1); ERL (R).  
*Crataegus popovii* Chrshan.  
*Crataegus pracarmata* Klokov ~ *Crataegus monogyna*  
*Crataegus pseudokyrstostyla* Klokov ~ *Crataegus curvisrepala*  
\**Crataegus sanguinea* Pall.  
(*Crataegus schraderana* Ledeb.) ~ *Crataegus tournefortii*  
*Crataegus sphaenophylla* Pojark.  
Conservation status: ERL (R).  
*Crataegus stankovii* Kossykh  
(*Crataegus stevenii* Pojark.) ~ *Crataegus pallasii*  
*Crataegus subrotunda* Klokov ~ *Crataegus curvisrepala*  
*Crataegus taurica* Pojark.  
Conservation status: IUCN RL (R); ERL (R).  
*Crataegus tournefortii* Griseb.  
Conservation status: RDBU (3).  
*Crataegus ucrainica* Pojark.  
Conservation status: IUCN RL (R); ERL (R).

[*Cydonia japonica* (Thunb.) Pers.] = *Chaenomeles japonica*  
(*Cydonia maulei* (Mast.) T.Moore) = *Chaenomeles japonica*  
\**Cydonia oblonga* Mill.  
[*Cydonia speciosa* Sweet] = *Chaenomeles speciosa*

*Dryas octopetala* L.  
Conservation status: RDBU (1).

\*!*Duchesnea indica* (Andrews) Focke

\**Eriobotrya japonica* (Thunb.) Lindl.

(*Exochorda alberti* Regel) = *Exochorda korolkowii*

\**Exochorda korolkowii* Lavall.

Note: Several other species of *Exochorda* are cultivated in botanical gardens and arboreta.

**Filipendula denudata** (J.Presl & C.Presl) Fritsch ~ *Filipendula ulmaria*  
 (*Filipendula hexapetala* Gilib., nom. inval.) = *Filipendula vulgaris*  
**Filipendula stepposa** Juz. ~ *Filipendula ulmaria*  
 (*Filipendula subdenudata* Fritsch) = *Filipendula ulmaria*  
**Filipendula ulmaria** (L.) Maxim.  
 [*Filipendula ulmaria* (L.) Maxim. subsp. *denudata* (J.Presl & C.Presl) Hayek] =  
*Filipendula denudata*  
 [*Filipendula ulmaria* (L.) Maxim. subsp. *picbaueri* (Podp.) Smejkal] = *Filipendula*  
*stepposa*  
 (*Filipendula ulmaria* (L.) Maxim. var. *picbaueri* Podp.) = *Filipendula stepposa*  
**Filipendula vulgaris** Moench

\***Fragaria** × **ananassa** (Duchesne) Duchesne = *Fragaria chiloensis* × *Fragaria virginiana*  
**Fragaria campestris** Steven  
 \***Fragaria chiloensis** (L.) Duchesne  
 (*Fragaria collina* Ehrh.) = *Fragaria viridis*  
 (*Fragaria elatior* Ehrh.) = *Fragaria moschata*  
**Fragaria** × **hagenbachiana** W.D.J.Koch = *Fragaria vesca* × *Fragaria viridis*  
 (*Fragaria indica* Andrews) = *Duchesnea indica*  
**Fragaria** × **intermedia** Bach = *Fragaria moschata* × *Fragaria vesca*  
**Fragaria moschata** (Duchesne) Weston  
**Fragaria vesca** L.  
 \***Fragaria virginiana** Duchesne  
**Fragaria viridis** Duchesne

**Geum aleppicum** Jacq.  
**Geum** × **intermedium** Ehrh. = *Geum rivale* × *Geum urbanum*  
**Geum montanum** L.  
**Geum rivale** L.  
**Geum** × **spurium** Fisch. & C.A.Mey. = *Geum aleppicum* × *Geum urbanum*  
 (*Geum strictum* Aiton) = *Geum aleppicum*  
**Geum urbanum** L.

\***Kerria japonica** (L.) DC.

\***Laurocerasus officinalis** M Roem.

\***Malus baccata** (L.) Borkh.  
 \***Malus domestica** Borkh.  
 \***Malus pallasiana** Juz.  
**Malus praecox** (Pall.) Borkh.  
 \***Malus prunifolia** (Willd.) Borkh.

Note: Several other exotic species and hybrids of *Malus* are cultivated in gardens and parks.

**Malus sylvestris** Mill.

**Mespilus germanica** L.

[*Oreogeum montanum* (L.) E.Golubk.] = *Geum montanum*

[*Padellus mahaleb* (L.) Vassilez.] = *Cerasus mahaleb*

**Padus avium** Mill.

(*Padus laurocerasus* (L.) Mill.) = *Laurocerasus officinalis*

(*Padus racemosa* (Lam.) Gilib.) = *Padus avium*

**\*!Padus serotina** (Ehrh.) Ag.

Note: A locally naturalized species tending to become invasive.

**\*!Padus virginiana** (L.) Roem.

Note: Several other exotic species of *Padus* are cultivated in botanical gardens.

(*Parageum montanum* (L.) Hara) = *Geum montanum*

**\*Pentaphylloides mandshurica** (Maxim.) Soják

Note: Several other species are cultivated in botanical gardens and parks: *P. davurica* (Nestl.) Ikonn., *P. fruticosa* (L.) O.Schwarz, and *P. parviflora* (Fisch. ex Lehm.) Soják.

**\*Persica vulgaris** Mill.

**\*!Physocarpus opulifolius** (L.) Maxim.

Note: Locally naturalized. Four other species of *Physocarpus* are rarely cultivated in botanical gardens.

**Potentilla alba** L.

**Potentilla angustifolia** DC.

**Potentilla anserina** L.

(*Potentilla arenaria* Borkh.) = *Potentilla incana*

**Potentilla argentea** L.

**Potentilla astracanica** Jacq.

**Potentilla aurea** L.

{*Potentilla bifurca* auct. non L.} = *Potentilla orientalis*

**Potentilla bornmuelleri** Borbás

**Potentilla callieri** (Th.Wolf) Juz.

**Potentilla canescens** Besser

**Potentilla caucasica** Juz.

**?Potentilla chrysantha** Trev.

{*Potentilla cinerea* auct. non Chaix ex Vill.} = *Potentilla incana*

**Potentilla collina** Wibel

**Potentilla crantzii** (Crantz) G.Beck ex Fritsch

**Potentilla crassa** Tausch

**Potentilla depressa** Willd. ex Schlecht.

**Potentilla erecta** (L.) Raeusch.  
**Potentilla fallacina** Blocki  
**Potentilla geoides** M.Bieb.  
**Potentilla goldbachii** Rupr.  
**?Potentilla heidenreichii** Zimmeter  
**Potentilla heptaphylla** L.  
**Potentilla humifusa** Willd. ex Schlecht.  
 {*Potentilla impolita* auct. non Wahlenb.} = *Potentilla neglecta*  
**Potentilla incana** P.Gaertn., B.Mey. & Scherb.  
 (*Potentilla incanescens* Opiz) = *Potentilla neglecta*  
 (*Potentilla inclinata* Vill., nom. illeg.) = *Potentilla canescens*  
**Potentilla intermedia** L.  
**Potentilla jailae** Juz.  
**Potentilla laeta** Rchb.  
**Potentilla leucopolitana** P.J.Müll. ~ *Potentilla collina* aggr.  
**Potentilla leucotricha** (Borbás) Borbás  
**Potentilla longifolia** Willd. ex Schlecht.  
 Note: A rare casual alien collected in Kiev (S. Mosyakin, 1992, Ukr. Bot. Zhurn. 49(3): 89-91); now disappeared.  
**Potentilla longipes** Ledeb.  
**Potentilla micrantha** Ramond ex DC.  
**Potentilla mollicrinis** (Borbás) Stank.  
**Potentilla neglecta** Baumg.  
**Potentilla norvegica** L.  
**Potentilla obscura** Willd. ~ *Potentilla recta*  
**Potentilla orientalis** Juz. ~ *Potentilla bifurca*  
**Potentilla palustris** (L.) Scop.  
**Potentilla paradoxa** Nutt. ex Torr. & A.Gray  
**Potentilla patula** Waldst. & Kit.  
**Potentilla pedata** Nestl. ~ *Potentilla recta*  
**Potentilla pilosa** Willd.  
**Potentilla pindicola** (Nyman) Hausskn.  
**Potentilla recta** L.  
 (*Potentilla recta* L. subsp. *obscura* (Willd.) Rchb.f. ex Rothm.) = *Potentilla obscura*  
**Potentilla reptans** L.  
**?Potentilla rupestris** L.  
**Potentilla schurii** Fuss ex Zimmeter ~ *Potentilla patula*  
**Potentilla semilaciniosa** Borbás  
 (*Potentilla sulphurea* Lam.) = *Potentilla recta*  
**Potentilla supina** L.  
 [*Potentilla supina* L. subsp. *paradoxa* (Nutt. ex Torr. & A.Gray) Soják] = *Potentilla paradoxa*  
 (*Potentilla sylvestris* Neck.) = *Potentilla erecta*  
**Potentilla taurica** Willd. ex Schlecht. ~ *Potentilla astracanica*  
**Potentilla tergemina** Soják  
 Note: A rare casual alien collected in Kiev (S. Mosyakin, 1992, Ukr. Bot. Zhurn. 49(3): 89-91).

**Potentilla thyrsiflora** Huels. ex Zimmeter = *Potentilla collina* aggr.  
(*Potentilla tormentilla* (Stokes) Neck.) = *Potentilla erecta*  
**Potentilla umbrösa** Steven  
**Potentilla virgata** Lehm.

Note: A rare casual alien recently reported from Kherson by I. Moisienko (1998, Ukr. Bot. Zhurn. 55(4): 255-257).

**Poterium polygamum** Waldst. & Kit.  
**Poterium sanguisorba** L.  
[*Poterium sanguisorba* L. subsp. *polygamum* (Waldst. & Kit.) Simonk.] = *Poterium polygamum*

**\*Prinsepia sinensis** (Oliv.) Bean

[*Prunus avium* L.] = *Cerasus avium*

**\*Prunus cerasifera** Ehrh.

[*Prunus cerasifera* Ehrh. subsp. *divaricata* (Ledeb.) C.K.Schneid.] = *Prunus divaricata*

[*Prunus cerasus* L.] = *Cerasus vulgaris*

**\*Prunus divaricata** Ledeb.

**\*!Prunus domestica** L.

[*Prunus domestica* L. subsp. *insititia* (L.) Bonnier & Layens] = *Prunus insititia*

[*Prunus fruticosa* Pall.] = *Cerasus fruticosa*

**\*Prunus insititia** L.

[*Prunus laurocerasus* L.] = *Laurocerasus officinalis*

[*Prunus mahaleb* L.] = *Cerasus mahaleb*

**Prunus moldavica** Kotov ~ *Prunus spinosa*

[*Prunus padus* L.] = *Padus avium*

**Prunus podolica** Andr. ~ *Prunus spinosa*

[*Prunus serotina* Ehrh.] = *Padus serotina*

**Prunus spinosa** L.

**Prunus stepposa** Kotov ~ *Prunus spinosa*

[*Prunus tomentosa* Thunb.] = *Cerasus tomentosa*

[*Prunus virginiana* L.] = *Padus virginiana*

**Pyracantha coccinea** (L.) M.Roem.

**Pyrus communis** L.

**Pyrus elaeagnifolia** Pall.

?**Pyrus salicifolia** Pall.

**\*Pyrus ussuriensis** Maxim.

**Rosa adenodonta** Dubovik

Note: See recent treatments of *Rosa* in Ukraine (see O. Dubovik, 1989, Ukr. Bot. Zhurn. 46(3): 21-25; O. Dubovik & al. 1987, Ukr. Bot. Zhurn. 44(2): 8-13).  
(*Rosa afzeliana* Fr., nom. illeg.) = *Rosa biserrata*

*Rosa agrestis* Savi  
*\*Rosa alba* L.  
*Rosa albiflora* Opiz) = *Rosa agrestis*  
*Rosa alpina* L.) = *Rosa pendulina*  
*Rosa andegavensis* Bast. ~ *Rosa canina* s.l.  
*Rosa andrzejowskii* Steven  
*Rosa antonovii* (Lonacz.) Dubovik  
(*Rosa arguta* Steven) = *Rosa canina*  
(*Rosa armata* Steven) = *Rosa canina*  
*\*Rosa arvensis* Huds.  
*Rosa balsamica* Besser  
*\*Rosa banksiae* R.Br.  
*Rosa biebersteinii* Tratt.  
*\*Rosa bifera* (Poir.) Pers.  
*Rosa biserrata* Mérat  
*Rosa bordzilowskii* Chrshan.  
*Rosa* × *boreykiana* Besser = *Rosa crenatula* × *Rosa corymbifera*  
*Rosa* × *borissovae* Chrshan.  
*Rosa borysthenica* Chrshan.  
*Rosa bugensis* Chrshan.  
(*Rosa calycina* M.Bieb.) = *Rosa canina*  
*Rosa canina* L.  
*Rosa caryophyllacea* Besser  
{*Rosa caryophyllacea* auct. non Besser} = *Rosa squarrosa*  
*\*Rosa centifolia* L.  
*\*Rosa chinensis* Jacq.  
*Rosa chomutoviensis* Chrshan. & Iaseb.  
*Rosa chrshanovskii* Dubovik  
*Rosa ciesielskii* Blocki  
(*Rosa ciliato-sepala* Blocki) = *Rosa canina*  
(*Rosa cinnamomea* L. 1753, non L. 1759) = *Rosa pendulina*  
{*Rosa cinnamomea* auct. non L.} = *Rosa majalis*  
(*Rosa collina* M.Bieb.) = *Rosa corymbifera*  
*Rosa corymbifera* Borkh. ~ *Rosa canina*  
*Rosa crenatula* Chrshan.  
*Rosa czackiana* Besser  
*\*Rosa damascena* Mill.  
*Rosa deseglisei* Boreau ~ *Rosa canina*  
*Rosa diacantha* Chrshan.  
(*Rosa dimorpha* Besser) = *Rosa tomentosa*  
*Rosa diplodonta* Dubovik  
*Rosa donetzica* Dubovik  
Conservation status: RDBU (I); ERL (R).  
(*Rosa dumalis* Bechst.) ~ *Rosa biserrata*  
(*Rosa eglanteria* L., nom. utique rej. prop.) = *Rosa rubiginosa*



{*Rosa eglanteria* auct. non L.} = *Rosa foetida*  
***Rosa elliptica*** Tausch  
 (*Rosa fedoseevii* Chrshan.) = *Rosa balsamica*  
***Rosa floribunda*** Steven  
**\**Rosa foetida*** Herrm.  
 (*Rosa friedlaendriana* Besser) = *Rosa corymbifera*  
***Rosa glabrifolia*** C.A.Mey.  
 (*Rosa glandulosa* Besser, non Bellardi) = *Rosa klukii*  
 {*Rosa glandulosa* auct. non Besser} = *Rosa jundzillii*  
***Rosa glauca*** Pourr.  
 (*Rosa glauca* Vill. ex Loisel., non Pourr.) = *Rosa biserrata*  
 (*Rosa glauca* Schott. & Besser, non Pourr.) = *Rosa canina*  
 (*Rosa glaucescens* Besser, non Wulfen) = *Rosa biserrata*  
***Rosa gorenkensis*** Besser  
***Rosa grossheimii*** Chrshan.  
 (*Rosa gypsicola* Blocki) = *Rosa caryophyllacea*  
 (*Rosa heteracantha* Chrshan., non Kar. & Kir.) = *Rosa diacantha*  
 (*Rosa heterostyla* Chrshan., non Gritt.) = *Rosa subglabra*  
 (*Rosa homoacantha* Dubovik) = *Rosa borissovae*  
 (*Rosa horrida* Fisch. ex Crép., non Spreng.) = *Rosa turcica*  
 (*Rosa jundzilliana* Besser) = *Rosa jundzillii*  
***Rosa jundzillii*** Besser  
 {*Rosa jundzillii* auct. non Besser} = *Rosa biebersteinii*  
 (*Rosa kalmiussica* Chrshan. & Laseb.) = *Rosa corymbifera*  
***Rosa klukii*** Besser  
 (*Rosa kosinskiana* Besser) = *Rosa canina*  
***Rosa koslówskii*** Chrshan.  
 (*Rosa koso-poljanskii* Chrshan.) = *Rosa cieselskii*  
***Rosa krynkensis*** Ostapko  
***Rosa lapidosa*** Dubovik  
***Rosa lazarenkoi*** Chrshan.  
***Rosa litvinovii*** Chrshan., nom. inval.  
***Rosa livescens*** Besser  
***Rosa lonaczewskii*** Dubovik  
***Rosa lupulina*** Dubovik  
***Rosa macotica*** Dubovik  
***Rosa majalis*** Herrm.  
*Rosa* × *mediata* Dubovik = *Rosa corymbifera* + *Rosa majalis*  
***Rosa micrantha*** Smith  
 (*Rosa micrantha* Besser) = *Rosa spinosissima*  
***Rosa minimalis*** Chrshan.  
 (*Rosa montana* Steven ex Besser) = *Rosa corymbifera*  
***Rosa* × *mucatscheviensis*** Chrshan. = *Rosa micrantha* (*Rosa nitidula* ?) × *Rosa rubiginosa*  
**\*!*Rosa multiflora*** Thunb.  
***Rosa nitidula*** Besser ~ *Rosa canina* s.l.

?**Rosa × olgae** Chrshan. & Barbar., nom. inval. (descr. ross.) = *Rosa majalis* × *Rosa villosa* aggr.

Note: Probably extinct.

**Rosa parviuscula** Chrshan. & Laseb.

**Rosa pendulina** L.

**Rosa pimpinellifolia** L. ~ *Rosa spinosissima* s.l.

(*Rosa podolica* Tratt.) = *Rosa biserrata*

**Rosa × pohrebniakii** Chrshan. & Laseb. = *Rosa glauca* × *Rosa villosa*

(*Rosa pomifera* Herrm.) = *Rosa villosa*

**Rosa porrectidens** Chrshan. & Laseb.

**Rosa prutensis** Chrshan.

(*Rosa psammophila* Chrshan.) = *Rosa balsamica*

**Rosa pygmaea** M.Bieb.

**Rosa rubiginosa** L.

(*Rosa rubrifolia* Vill.) = *Rosa glauca*

\*!**Rosa rugosa** Thunb.

(*Rosa saxatilis* Steven) = *Rosa corymbifera*

**Rosa scabriuscula** Smith

**Rosa schistosa** Dubovik

(*Rosa schmalgauseniana* Chrshan.) = *Rosa deseglisei* Boreau

**Rosa simplicidens** Dubovik

(*Rosa sinkowiensis* Blocki) = *Rosa ciesielskii*

(*Rosa slobodjianii* (Chrshan.) Dubovik, nom. inval.) = *Rosa andegavensis*

(*Rosa solstitialis* Prim. & Besser) = *Rosa corymbifera*

**Rosa sosnovskyi** Chrshan.

**Rosa spinosissima** L.

**Rosa squarrosa** (Rau) Boreau

**Rosa subafzeliana** Chrshan.

**Rosa subglabra** Borbás

**Rosa subpomifera** Chrshan.

**Rosa subpygmaea** Chrshan.

(*Rosa talijevii* Dubovik) = *Rosa grossheimii*

**Rosa tauriae** Chrshan.

(*Rosa taurica* M.Bieb.) = *Rosa corymbifera*

**Rosa tesquicola** Dubovik

(*Rosa therebinthacea* Besser) = *Rosa tomentosa*

**Rosa tomentosa** Smith

(*Rosa trachyphylla* Rau) = *Rosa jundzilii*

**Rosa transsilvanica** Schur

**Rosa tshatyrdagii** Chrshan.

\***Rosa turbinata** Aiton

**Rosa turcica** Rouy

(*Rosa ucrainica* Chrshan.) = *Rosa subpygmaea*

**Rosa uncinella** Besser

**Rosa villosa** L.

(*Rosa volhynensis* Chrshan.) = *Rosa rubiginosa*  
(*Rosa willibaldii* Chrshan.) = *Rosa biserrata*  
(*Rosa wittmanii* Heinr. Braun) = *Rosa corymbifera*

**Rubus × aipetriensis** Juz.

Note: Crimean taxa described by S. Juzepchuk are badly in need of a new taxonomic revision.

**Rubus × almensis** Juz. = *Rubus canescens* × *Rubus tauricus*

**Rubus anatolicus** (Focke) Focke ex Hausskn.

**Rubus apricus** Wimmer

**Rubus bayeri** Focke ~ *Rubus hirtus*

(*Rubus bellardii* Weihe & Nees) = *Rubus pedemontanus*

**Rubus bifrons** Vest

Note: See L. Krasovskaya (1991, *Novitates Systematicae Plantarum Vascularium* (Leningrad) 28: 81-84).

**Rubus caesioides** L.

{*Rubus candicans* auct. non Weihe ex Rehb.} = *Rubus montanus*

**Rubus canescens** DC.

(*Rubus canescens* DC. var. *glabratus* (Godr.) H.E. Weber) = *Rubus lloydianus*

**Rubus chamaemorus** L.

**Rubus constrictus** P.J. Müll. & Lefevre

**Rubus crimaecus** Juz.

(*Rubus discolor* Weihe & Nees) = *Rubus ulmifolius*

**Rubus divaricatus** P.J. Müll.

**Rubus × eurythysiger** Juz.

(*Rubus glandulosus* Bellardi) = *Rubus pedemontanus*

**Rubus grabowskii** Weihe

**Rubus gracilis** J. Presl & C. Presl

**Rubus guentheri** Weihe & Nees ~ *Rubus hirtus*

**Rubus hirtimimus** Juz.

**Rubus hirtus** Waldst. & Kit.

**Rubus humifusus** Weihe ~ *Rubus schleicheri*

(*Rubus hybridus* Vill.) = *Rubus pedemontanus*

**Rubus idaeus** L.

**Rubus × kalaidae** Juz.

**Rubus kaltenbachii** Metsch ~ *Rubus hirtus*

Note: Literature records only (see Tasenkevich, 1998).

**Rubus lloydianus** Genev.

**Rubus macrophyllus** Weihe & Nees

**Rubus × marschallianus** Juz.

**Rubus moestifrons** Juz.

**Rubus montanus** Libert ex Lej.

**Rubus × nanitauricus** Juz. = *Rubus canescens* × *Rubus tauricus* ?

**Rubus nessensis** W. Hall

**Rubus nigricans** P.J. Müll. & Lefevre ~ *Rubus hirtus*

Note: Literature records only (see Tasenkevich, 1998).

(*Rubus nitidus* Weihe & Nees) = *Rubus divaricatus*

***Rubus* × *oenoxylon* Juz.** = *Rubus canescens* × *Rubus tauricus* ?

***Rubus opacus* Focke**

Note: Reported from Lviv region (V. Goncharenko, 1999, Naukov. Visnyk Uzhgorod. Univ., Ser. Biol. 6: 12-14).

***Rubus paratauricus* Juz.**

***Rubus pedemontanus* Pinkwart**

***Rubus plicatus* Weihe & Nees**

***Rubus praecox* Bertol.**

**?*Rubus radula* Weihe**

Note: Reported for Transcarpathia (Fodor, 1974); no locality information available; not confirmed by other authors.

***Rubus rivularis* Wirtg. & P.J.Müll.**

Note: Reported for the Carpathians (see Fodor, 1974; Tassenkevich, 1998).

***Rubus rudis* Weihe & Nees**

Note: Reported from Lviv region and Transcarpathia (L. Krasovskaya, 1997, Bot. Zhurn. 82(4): 120-123.).

(*Rubus rugicus* E.H.L.Krause) = *Rubus grabowskii*

***Rubus saxatilis* L.**

***Rubus* × *scenoreinus* Juz.**

***Rubus schleicheri* Weihe ex Tratt.**

Note: See L. Krasovskaya (1991, Novitates Systematicae Plantarum Vascularium (Leningrad) 28: 81-84).

***Rubus serpens* Weihe ex Lej. & Court.**

***Rubus* × *sinakiensis* Fodor** = *Rubus idaeus* × *Rubus rivularis*

***Rubus* × *stenophyllidium* Juz.** = *Rubus canescens* × *Rubus tauricus* ?

***Rubus stevenii* Juz.**

***Rubus* × *subtauricus* Juz.** = *Rubus crimaesus* × *Rubus tauricus*

***Rubus sulcatus* Vest ex Tratt.**

(*Rubus sulcatus* Vest ex Tratt. subsp. *constrictus* (P.J.Müll. & Lefevre) Cohrs) = *Rubus constrictus*

(*Rubus sulcatus* Vest ex Tratt. var. *vestii* (Focke) Focke) = *Rubus constrictus*

***Rubus tauricus* Schlecht. ex Juz.**

***Rubus tereticaulis* P.J.Müll.**

(*Rubus thyrsanthus* (Focke) Foerster) = *Rubus grabowskii*

(*Rubus thyrsoides* Wimmer, nom. illeg.) = *Rubus grabowskii*

(*Rubus thyrsoides* Wimmer subsp. *constrictus* (P.J.Müll. & Lefevre) Sudre) = *Rubus constrictus*

{*Rubus tomentosus* auct. non Borkh.} = *Rubus canescens*

***Rubus troitzkyi* Juz.**

***Rubus ulmifolius* Schott**

***Rubus* × *undabundus* Juz.** = *Rubus canescens* × *Rubus tauricus* ?

***Rubus* × *utshansuensis* Juz.** = *Rubus canescens* × *Rubus tauricus* ?

(*Rubus vestii* Focke) = *Rubus constrictus*

(*Rubus villicaulis* Koehler ex Weine & Nees) = *Rubus gracilis*

(*Rubus winneri* Weihe) = *Rubus macrophyllus*

[*Sanquisorba minor* Scop.] = *Poterium sanguisorba*

[*Sanquisorba minor* Scop. subsp. *polygama* (Waldst. & Kit.) Holub] = *Poterium polygamum*

***Sanquisorba officinalis* L.**

***Sanquisorba taurica* Juz. ~ *Sanguisorba officinalis***

(*Sieversia montana* (L.) R.Br.) = *Geum montanum*

**\**Sorbaria sorbifolia* (L.) A.Braun**

Note: Several other species are cultivated in botanical gardens.

**\**Sorbus aria* (L.) Crantz**

***Sorbus aucuparia* L.**

***Sorbus austriaca* (Beck) Hedl.**

**\**Sorbus domestica* L.**

(*Sorbus dualis* Zinserl.) = *Sorbus roopiana*

***Sorbus graeca* (Spach) Lodd. ex Schauer**

***Sorbus intermedia* (Ehrh.) Pers.**

(*Sorbus pseudolatifolia* K.Pop. 1959, non Boros 1937) = *Sorbus tauricola*

***Sorbus roopiana* Bordz.**

(*Sorbus scandica* (L.) Hedl.) = *Sorbus intermedia*

***Sorbus stankovii* Juz. ~ *Sorbus graeca***

***Sorbus taurica* Zinserl.**

***Sorbus tauricola* Zaikonn.**

Conservation status: ERL (I), as *S. pseudolatifolia*.

***Sorbus torminalis* (L.) Crantz**

***Sorbus turcica* Zinserl. ~ *Sorbus graeca***

**\**Spiraea alba* Du Roi**

**\*!*Spiraea billardii* Hérincq**

***Spiraea chamaedryfolia* L.**

***Spiraea crenata* L.**

(*Spiraea crenifolia* C.A.Mey.) = *Spiraea crenata*

**\*!*Spiraea douglasii* Hook.**

***Spiraea hypericifolia* L.**

**\*!*Spiraea japonica* L.f.**

***Spiraea litwinowii* Dobrocz.**

***Spiraea media* F.Schmidt**

***Spiraea media* F.Schmidt subsp. *polonica* (Blocki) Pawl.**

Conservation status: RDBU (I), as *Spiraea polonica*.

(*Spiraea opulifolia* L.) = *Physocarpus opulifolius*

***Spiraea pikoviensis* Besser**

[*Spiraea polonica* Blocki] = *Spiraea media* subsp. *polonica*

**?*Spiraea prunifolia* Siebold & Zucc.**

**\*!Spiraea salicifolia L.**

Note: Plants cultivated in Ukraine as "S. salicifolia" belong mostly to *S. billardii*.

(*Spiraea sawranica* Besser) = *Spiraea crenata*

[*Spiraea sorbifolia* L.] = *Sorbaria sorbifolia*

(*Spiraea ulmifolia* Scop.) = *Spiraea chamaedryfolia*

**\*Spiraea × vanhouttei (Briot) Zabel**

Note: *Spiraea cantoniensis* Lour. × *Spiraea trilobata* L. Many other exotic species and hybrids are cultivated in gardens and parks.

**Waldsteinia geoides Willd.**

**FAMILY Rubiaceae**

**Asperula aemulans V.Krecz. ex Klokov**

(*Asperula affrena* Klokov) = *Galium affrenum*

(*Asperula aparine* M.Bieb. non *Galium aparine* L.) = *Galium pseudorivale* & *Galium rivale*

**Asperula arvensis L.**

**Asperula attenuata Klokov ~ Asperula tenella**

(*Asperula besseriana* Klokov) = *Galium humifusum*

**Asperula bidentata Klokov ~ Asperula tenella**

**Asperula caespitans Juz.**

(*Asperula campanulata* (Vill.) Klokov) = *Galium campanulatum*

**Asperula cimmerica V.Krecz. ex Klokov ~ Asperula supina**

(*Asperula cincinnata* Klokov) = *Galium humifusum*

(*Asperula conferta* (K.Koch) Stank.) = *Galium humifusum*

{*Asperula cretacea* auct. non Willd.} = *Asperula aemulans*, *Asperula cimmerica*, *Asperula kotovii*, *Asperula praepilosa* & *Asperula praevestita*

**Asperula cretica Klokov ~ Asperula tephrocarpa**

**Asperula cynanchica L.**

(*Asperula cynanchica* L. var. *affinis* (Boiss. & Huet.) E.Wulff) = *Asperula cimmerica* & *Asperula praepilosa*

(*Asperula cynanchica* L. var. *elongata* Steven) = *Asperula stevenii*

(*Asperula galioides* M.Bieb., nom. illeg.) = *Galium biebersteinii*

(*Aspera glauca* Besser) = *Galium campanulatum*

**Asperula graniticola Klokov ~ Asperula montana**

**Asperula graveolens M.Bieb. ex Schult. & Schult.f.**

{*Asperula graveolens* auct. non M.Bieb. ex Schult. & Schult.f.} = *Asperula montana*

(*Asperula humifusa* (M.Bieb.) Besser) = *Galium humifusum*

**Asperula hypanica Klokov ~ Asperula montana**

**Asperula infracta Klokov ~ Asperula montana**

**Asperula kotovii Klokov ~ Asperula supina**

**Asperula leiogradeolens M.Pop. & Chrshan. ~ Asperula graveolens**

{*Asperula leucanthera* auct. non G.Beck.} = *Asperula propinqua*

**Asperula maeotica M.Pop. & Chrshan. ~ Asperula tenella**

**Asperula montana Waldst. & Kit.**

(*Asperula octonaria* Klokov) = *Galium octonarium*  
 (*Asperula odorata* L.) = *Galium odoratum*  
***Asperula praepilosa*** V.Krecz. ex Klokov ~ *Asperula supina*  
***Asperula praevestita*** Klokov ~ *Asperula supina*  
***Asperula propinqua*** Pobed.

Conservation status: ERL (R).

(*Asperula pseudograceolens* M.Pop. & Chrshan.) = *Asperula graveolens*  
 (*Asperula rivalis* Sibth. & Smith) = *Galium rivale*  
 (*Asperula rumelica* Boiss.) = *Asperula montana*  
 (*Asperula savranica* Klokov) = *Asperula graveolens*  
***Asperula semiamicta*** Klokov ~ *Asperula cynanchica*  
***Asperula setulosa*** Boiss.  
***Asperula stevenii*** V.Krecz. ~ *Asperula tenella*  
***Asperula supina*** M.Bieb.

Note: Several "microspecies" were recognized in Crimea; their taxonomic value is problematic.

***Asperula taurica*** Pacz.  
 {*Asperula taurica* auct. non Pacz.} = *Asperula tauroscythica*  
 {*Asperula taurina* auct. non L.} = *Asperula propinqua*  
***Asperula tauroscythica*** Klokov ~ *Asperula taurica*  
***Asperula tenella*** Heuff. ex Degen aggr.

Note: This aggregate is represented in S Ukraine by several "microspecies", most probably infraspecific entities and local forms.

***Asperula tephrocarpa*** Czern. ex M.Pop. & Chrshan.

Conservation status: IUCN RL (R).

(*Asperula tinctoria* L.) = *Galium tinctorium*  
 (*Asperula tomentella* Dubovik) = *Galium duboviciae*  
 (*Asperula tyraica* Besser) = *Galium volhynicum*  
 (*Asperula tranzshelii* Klokov) = *Asperula caespitans*  
 (*Asperula xerotica* Klokov) = *Galium xeroticum*  
 {*Asperula vestita* auct. non V.Krecz.} = *Asperula kotovii*

{*Crucianella altifolia* auct. non L.} = *Crucianella catellata*

***Crucianella angustifolia*** L.

***Crucianella catellata*** Klokov

?***Crucianella gilanica*** Trin.

Note: Occurrence in Ukraine needs confirmation.

(*Crucianella oxyloba* Janka) = *Crucianella angustifolia*

***Cruciata articulata*** (L.) Ehrend.

***Cruciata braunii*** (Zelen.) Pobed.

(*Cruciata chersonensis* (Willd.) Ehrend.) = *Cruciata taurica*  
 {*Cruciata chersonensis* auct. non (Willd.) Ehrend., excl. typo} = *Cruciata laevipes*  
 (*Cruciata coronata* (Sibth. & Smith) Ehrend. subsp. *taurica* (Pall. ex Willd.) Ehrend.) =  
*Cruciata taurica*

**Cruciata decoronata** (Klokov) A.Krasnova  
**Cruciata glabra** (L.) Ehrend.  
**Cruciata laevipes** Opiz  
**Cruciata neotaurica** (Klokov) Pobed.  
**Cruciata pedemontana** (Bellardi) Ehrend.  
**Cruciata taurica** (Pall. ex Willd.) Soó

**Galium affrenum** (Klokov) Ostapko  
**Galium album** Mill.  
 {Galium album Mill. subsp. prusense auct. non (K.Koch) Ehrend. & Krendl} = Galium  
 juzepeczukii & Galium calcareum  
 (Galium album Mill. subsp. suberectum (Klokov) E.Michalkova) = Galium suberectum  
 {Galium anisophyllum auct. non Vill.} = Galium bellatum  
**Galium aparine** L.  
 (Galium aparine L. subsp. spurium (L.) Hartm.) = Galium spurium  
 (Galium articulatum Lam.) = Galium rubioides  
**Galium attenuatum** Klokov & Zaverucha  
 (Galium auratum Klokov) = Galium juzepeczukii  
**Galium bellatulum** Klokov  
**Galium besseri** Klokov  
**Galium bieberstenii** Ehrend.  
**Galium boreale** L.  
 (Galium boreale L. subsp. boreale var. boreale f. exoletum (Klokov) Soó) = Galium  
 exoletum  
 (Galium boreale L. subsp. exoletum (Klokov) Soják) = Galium exoletum  
**Galium borysthenticum** Klokov ~ Galium ruthenicum  
 [Galium braunii Zelen.] = Cruciata braunii  
**Galium calcareum** (Albov) Pobed.  
**Galium campanulatum** Vill.  
 (Galium campanulatum Vill. subsp. tyraicum (Besser) Soják) ~ Galium volhynicum  
**Galium carpaticum** Klokov  
 (Galium chersonense (Willd.) Roem. & Schult) = Cruciata taurica  
 (Galium cinctatum (Klokov) Ostapko, comb. inval.) = Galium humifusum  
**Galium congestum** Klokov & Zaverucha  
 (Galium cordatum Roem. & Schult.) = Cruciata articulata  
 (Galium cruciata (L.) Scop.) = Cruciata laevipes  
 (Galium cynanchicum (L.) Scop.) = Asperula cynanchica  
 (Galium dasypodium Klokov) = Galium physocarpum & Galium rubioides  
**Galium debile** Desf.  
 (Galium decoronatum Klokov) = Cruciata taurica  
**Galium donetzkiensis** Ostapko  
 Note: See V. Ostapko (1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).  
 (Galium dubovicii Ostapko, ortho) = Galium dubovikiae  
**Galium dubovikiae** Ostapko  
**Galium elongatum** C.Presl



{*Galium elongatum* auct. non C.Presl} = *Galium debile*

(*Galium erectum* Huds., nom. illeg.) = *Galium album*

{*Galium erectum* auct. non Huds.} = *Galium mollugo*

***Galium exoletum* Klokov**

(*Galium fagetorum* Klokov) = *Galium juzepeczukii*

(*Galium fasciculatum* Klokov) = *Galium calcareum*

(*Galium galioides* (M.Bieb.) Soó) = *biebersteinii*

***Galium glabratum* Klokov** ~ *Galium verum*

***Galium glabricarpum* Ostapko**

Note: See V. Ostapko (1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).

{*Galium glaucum* auct. non L.} = *Galium campanulatum*

(*Galium glaucum* L. subsp. *tyraicum* (Besser) Soják) = *Galium volhynicum*

***Galium hereynicum* Weigel**

***Galium humifusum* M.Bieb.**

(*Galium humifusum* M.Bieb. subsp. *besserianum* (Klokov) Soó) = *Galium humifusum*

(*Galium humifusum* M.Bieb. subsp. *cinnatum* (Klokov) Soó) = *Galium humifusum*

***Galium hypanicum* Klokov**

***Galium intermedium* Schult.**

***Galium juzepeczukii* Pobed.**

***Galium kernerianum* Klokov**

***Galium* × *kondratjukii* Ostapko**

Note: Taxonomic status uncertain (*G. cinnatum* × *G. tomentellum* ?).

(*Galium krymense* Pobed.) = *Galium debile*

***Galium* × *lanulosum* Ostapko**

Note: Taxonomic status uncertain (*G. humifusum* × *G. tomentellum* ?).

***Galium macilentum* Klokoy & Zaverucha**

(*Galium maximum* G.Moris) = *Galium elongatum*

***Galium mollugo* L.**

(*Galium mollugo* L. subsp. *pycnotrichum* (Heinr.Braun) Krendl) = *Galium pycnotrichum*

(*Galium neotauricum* Klokov) = *Cruciata neotaurica*

***Galium octonarium* (Klokov) Soó**

***Galium odessanum* Klokov**

***Galium odoratum* (L.) Scop.**

***Galium olgae* Klokov** ~ *Galium verum*

***Galium palustre* L.**

(*Galium palustre* L. subsp. *elongatum* (C.Presl) Lange) = *Galium elongatum*

(*Galium pedemontanum* All.) = *Cruciata pedemontana*

***Galium physocarpum* Ledeb.**

(*Galium polonicum* Blocki) = *Galium carpaticum*

***Galium praeboreale* Klokov** ~ *Galium boreale*

(*Galium praecox* (K.H.Lang) A.Kern.) = *Galium wirtgenii*

**?*Galium pseudoaristatum* Schur**

(*Galium* × *pseudoboreale* Klokov) = *Galium* × *pseudorubioides*

(*Galium pseudohumifusum* Ostapko) = *Galium humifusum*

***Galium pseudomollugo* Klokov** ~ *Galium album*

**Galium pseudorivale** Tzvelev

**Galium** × **pseudorubioides** Klokov = **Galium boreale** × **Galium physocarpum**

**Galium pumilum** Murray

**Galium pycnotrichum** (Heinr.Braun) Borbás

**Galium** × **raisiae** Ostapko

Note: Taxonomic status uncertain (reported as *G. cinnatum* × *G. tomentellum* ?).

**Galium rivale** (Sibth. & Smith) Griseb.

{**Galium rivale** auct. non (Sibth. & Smith) Griseb.} = **Galium pseudorivale**

**Galium rotundifolium** L.

**Galium rubioides** L.

(**Galium ruprechtii** Pobed. p. max. p. incl. type) = **Galium trifidum**

**Galium ruthenicum** Willd.

**Galium salicifolium** Klokov ~ **Galium physocarpum**

{**Galium saxatile** auct. non L.} = **Galium hercynicum**

{**Galium scabrum** auct. non L.} = **Galium rotundifolium**

(**Galium schultesii** Vest) = **Galium intermedium**

**Galium semiamictum** Klokov ~ **Galium album**

{**Galium septentrionale** auct. non Roem. & Schult.} = **Galium boreale** & **Galium** × **pseudorubioides**

**Galium sphenophyllum** Klokov

**Galium spurium** L.

[**Galium spurium** L. subsp. **vailantii** (DC.) Gaudin] = **Galium vailantii**

**Galium suberectum** Klokov ~ **Galium album**

**Galium subnemorale** Klokov & Zaverucha

(**Galium tataricum** Trev.) = **Rubia tatarica**

[**Galium tauricum** (Pall. ex Willd) Roem. & Schult.] = **Cruciata taurica**

**Galium tenderiense** Klokov

**Galium tenuissimum** M.Bieb.

**Galium tinctorium** (L.) Scop.

**Galium tomentellum** Klokov ~ **Galium ruthenicum**

**Galium transcarpaticum** Stojko & Tassenkevich

{**Galium tricornis** Stokes, excl. typo} = **Galium tricornutum**

**Galium tricornutum** Dandy

**Galium trifidum** L.

**Galium tyraicum** Klokov

**Galium uliginosum** L.

**Galium vailantii** DC. ~ **Galium spurium**

**Galium verticillatum** Danth.

(**Galium verum** Scop.) = **Cruciata glabra**

**Galium verum** L.

(**Galium verum** L. subsp. **ruthenicum** (Willd.) Four.) = **Galium ruthenicum**

(**Galium verum** L. subsp. **wirtgenii** (F.W.Schultz) Oborny) = **Galium wirtgenii**

**Galium volhynicum** Pobed.

Conservation status: ERL (R).

**Galium wirtgenii** F.W.Schultz

**Galium xeroticum** (Klokov) Soó

Conservation status: ERL (R).

(*Galium zelenetskii* Klokov) = *Galium calcareum*

(*Rubia iberica* (Fisch. ex DC.) K.Koch) = *Rubia tinctorum*

**Rubia tatarica** (Trev.) F.Schmidt

**Rubia tinctorum** L.

**Sherardia arvensis** L.

## **FAMILY Rutaceae**

\***Citrus aurantium** L.

\***Citrus limon** (L.) Burm.f.

\***Citrus sinensis** Osbeck

(*Citrus trifoliata* L.) = *Poncirus trifoliata*

\***Citrus unshiu** (Swingle) Marc.

**Dictamnus albus** L.

Conservation status: RDBU (2).

**Dictamnus gymnostylis** Steven

(*Haplophyllum ciliatum* Griseb.) = *Haplophyllum suaveolens*

**Haplophyllum suaveolens** (DC.) G.Don f.

(*Haplophyllum tauricum* Spach) = *Haplophyllum thesioides*

**Haplophyllum thesioides** (Fisch. ex DC.) G.Don f.

\***Phellodendron amurense** Rupr.

Note: Four other species are cultivated in gardens, arboreta and parks.

\***Poncirus trifoliata** (L.) Raf.

\***Ptelea trifoliata** L.

**Ruta divaricata** Ten.

\***Ruta hortensis** Mill.

[*Ruta graveolens* L. subsp. *divaricata* (Ten.) Gams] = *Ruta divaricata*

[*Ruta graveolens* L. subsp. *hortensis* (Mill.) Gams] = *Ruta hortensis*

(*Ruta suaveolens* DC.) = *Haplophyllum suaveolens*

(*Ruta thesioides* Fisch. ex DC.) = *Haplophyllum thesioides*

## **FAMILY Salicaceae**

(*Caprea cinerea* (L.) Opiz) = *Salix cinerea*

(*Caprea aurita* (L.) Opiz) = *Salix aurita*

(*Caprea vulgaris* Opiz) = *Salix caprea*

***Populus alba* L.**

**\*!*Populus balsamifera* L.**

***Populus bolleana* Lauche ~ *Populus alba***

**\*!*Populus* × *canadensis* Moench = *Populus deltoides* × *Populus nigra***

**\**Populus candicans* Aiton**

**\**Populus* × *canescens* (Aiton) Smith = *Populus alba* × *Populus tremula***

**\**Populus deltoides* Marshall**

(*Populus* × *euroamericana* (Dode) Guinier) = *Populus* × *canadensis*

(*Populus* × *hybrida* M.Bieb.) = *Populus* × *canescens*

**\**Populus italica* (Du Roi) Moench ~ *Populus nigra***

**\**Populus laurifolia* Ledeb.**

**\**Populus* × *moskoviensis* Schroeder = *Populus suaveolens* × *Populus laurifolia***

***Populus nigra* L.**

(*Populus pyramidalis* Rozier) = *Populus italica*

(*Populus pseudotremula* N.I.Rubtzov) = *Populus tremula*

**\**Populus simonii* Carrière**

**\**Populus suaveolens* Fisch.**

Note: Several other exotic species of *Populus* are rarely cultivated in botanical gardens.

***Populus tremula* L.**

***Salix acutifolia* Willd.**

***Salix alba* L.**

***Salix alpina* Scop.**

(*Salix amygdalina* L.) = *Salix triandra*

(*Salix arenaria* L.) = *Salix repens*

***Salix aurita* L.**

**\**Salix babylonica* L.**

**\**Salix* × *blanda* Andersson = *Salix alba* × *Salix fragilis***

***Salix caprea* L.**

***Salix cinerea* L.**

***Salix daphnoides* Vill.**

***Salix elaeagnos* Scop.**

***Salix* × *elegantissima* K.Koch = *Salix alba* × *Salix fragilis***

***Salix fragilis* L.**

***Salix herbacea* L.**

Conservation status: RDBU (2).

(*Salix incana* Schrank) = *Salix elaeagnos*

(*Salix jacquiniana* Willd.) = *Salix alpina*

(*Salix jacquinii* Host) = *Salix alpina*

(*Salix kitaibeliana* Willd.) = *Salix retusa*

***Salix lapponum* L.**

(*Salix livida* Wahlenb.) = *Salix starkeana*

(*Salix longifolia* Lam., nom. illeg.) = *Salix viminalis*

**\*Salix matsudana** Koidz.

**Salix myrsinifolia** Salisb.

**Salix myrtilloides** L.

Conservation status: RDBU (3).

(*Salix nigricans* Smith) = *Salix myrsinifolia*

**Salix pentandra** L.

{*Salix phylicifolia* auct. non L.} = *Salix rhaetica*

**Salix purpurea** L.

{*Salix purpurea* auct. non L.} = *Salix vinogradovii*

**Salix repens** L.

[*Salix repens* L. subsp. *rosmarinifolia* (L.) C.Hartm.] = *Salix rosmarinifolia*

**Salix reticulata** L.

Conservation status: RDBU (1).

**Salix retusa** L.

Conservation status: RDBU (3).

**Salix rhaetica** Andersson

**Salix rosmarinifolia** L. ~ *Salix repens* aggr.

**Salix silesiaca** Willd.

**Salix starkeana** Willd.

Conservation status: RDBU (3).

**Salix triandra** L.

**Salix viminalis** L.

**Salix vinogradovii** A.K.Skvortsov

(*Salix vitellina* L.) = *Salix alba*

## **FAMILY Santalaceae**

**Thesium alpinum** L.

**Thesium arvense** Horv.

?**Thesium bavarum** Schrank

**Thesium brachyphyllum** Boiss.

**Thesium caespitans** (Ledeb.) Tzvelev

(*Thesium diffusum* Andrž. ex DC.) = *Thesium procumbens*

(*Thesium dollineri* Murb. subsp. *moesiicum* (Velen.) Stoj. & Stef.) = *Thesium moesiicum*

**Thesium ebracteatum** Hayne

(*Thesium linifolium* Schrank) = *Thesium linophyllum*

**Thesium linophyllum** L.

**Thesium moesiicum** Velen.

(*Thesium montanum* Ehrh., nom. illeg.) = *Thesium bavarum*

**Thesium procumbens** C.A.Mey.

(*Thesium ramosum* Hayne) = *Thesium arvense*

(*Thesium ramosum* Hayne var. *caespitans* Ledeb.) = *Thesium caespitans*

## **FAMILY Sapindaceae**

**\*Koeleria paniculata** Laxm.

**\*Xanthoxerus sorbifolium** Bunge

## **FAMILY Saxifragaceae**

**\*Astilbe davidii** Henry

**\*Bergenia crassifolia** (L.) Fritsch

**Chrysosplenium alpinum** Schur

**Chrysosplenium alternifolium** L.

{**Chrysosplenium oppositifolium** auct. non L.} = **Chrysosplenium alpinum**

(**Chrysosplenium transsilvanicum** Schur) = **Chrysosplenium alpinum**

**Saxifraga adscendens** L.

**Saxifraga aizoides** L.

Conservation status: RDBU (1).

(**Saxifraga aizoon** Jacq.) = **Saxifraga paniculata**

**Saxifraga androsacea** L.

Conservation status: RDBU (3).

**Saxifraga bryoides** L.

**Saxifraga bulbifera** L.

**Saxifraga carpatica** Sternb.

(**Saxifraga carpathica** Rchb.) = **Saxifraga carpatica**

Note: See correction of spelling and author's designation in D.A. Webb (1987, Bot. J. Linn. Soc. 95: 227-251).

(**Saxifraga cymosa** Waldst. & Kit., nom. inval.) = **Saxifraga pedemontana** subsp. **cymosa**

(**Saxifraga engleri** Dalla Torre, non Host ex Regel) = **Saxifraga stellaris** subsp. **engleri**

**Saxifraga granulata** L.

?**Saxifraga hieracifolia** Waldst. & Kit. ex Willd.

Note: Reported for adjacent areas in Romania, may be expected in the Carpathians.

**Saxifraga hirculus** L.

Conservation status: RDBU (2).

**Saxifraga irriqua** M.Bieb.

**Saxifraga luteoviridis** Schott & Kotschy

Conservation status: RDBU (3).

**Saxifraga oppositifolia** L.

Conservation status: RDBU (2).

**Saxifraga paniculata** Mill.

**Saxifraga pedemontana** All. subsp. **cymosa** Engl.

**Saxifraga stellaris** L. subsp. **engleri** P.Fourn.

**Saxifraga tridactylites** L.

## **FAMILY Schisandraceae**

**\*Schisandra chinensis** (Turcz.) Baillon

## **FAMILY Scrophulariaceae**

(*Alectorolophus aestivalis* N.Zinger) = *Rhinanthus aestivalis*  
(*Alectorolophus minor* (L.) Wimmer & Grab.) = *Rhinanthus minor*  
(*Alectorolophus vernalis* N.Zinger) = *Rhinanthus vernalis*

(*Antirrhinum cymbalaria* L.) = *Cymbalaria muralis*  
(*Antirrhinum elatine* L.) = *Kickxia elatine*  
(*Antirrhinum genistifolium* L.) = *Linaria genistifolia*  
(*Antirrhinum hederaceum* Lam.) = *Cymbalaria muralis*  
(*Antirrhinum linaria* L.) = *Linaria vulgaris*  
**\*!Antirrhinum majus** L.  
(*Antirrhinum minus* L.) = *Chaenorrhinum minus*  
[*Antirrhinum orontium* L.] = *Misopates orontium*  
(*Antirrhinum spurium* L.) = *Kickxia spuria*

**Bartsia alpina** L.

(*Celsia orientalis* L.) = *Verbascum orientale*

**Chaenorrhinum klokovii** Kotov = *Chaenorrhinum minus*  
**Chaenorrhinum minus** (L.) Lange  
(*Chaenorrhinum viscidum* (Moench) Simonk.) = *Chaenorrhinum minus*

**Cymbalaria muralis** P.Gaertn., B.Mey. & Scherb.

**Cymbochasma borysthenea** (Pall. ex Schlecht.) Klokov & Zoz  
Conservation status: RDBU (1); ERL (E).

**Digitalis grandiflora** Mill.

**Digitalis lanata** Ehrh.

Conservation status: RDBU (1): as a reputedly native species, known in Ukraine only from Transcarpathia; also widely cultivated.

**\*Digitalis purpurea** L.

**Dodartia orientalis** L.

**Euphrasia bicknellii** Wetst.

**Euphrasia brevipila** Burn. & Gremli = *Euphrasia stricta* s.l.

**Euphrasia carpatica** Zapal. = *Euphrasia salisburgensis*

**Euphrasia chitrovoi** Tzvelev

**?Euphrasia coerulea** Tausch ex Hoppe & Fuernrohr

Note: Ukrainian records need confirmation.

(*Euphrasia condensata* Jord.) = *Euphrasia stricta*

(*Euphrasia curta* (Fr.) Wettst.) = *Euphrasia parviflora*

**Euphrasia fennica** Kihlm.

(*Euphrasia glabrescens* (Wettst.) Wiinst.) = *Euphrasia parviflora*

[*Euphrasia glutinosa* M.Bieb.] = *Macrosyringion glutinosum*

**Euphrasia hirtella** Jord. ex Reut.

**Euphrasia irenae** Juz.

**Euphrasia kernerii** Wettst.

(*Euphrasia lutea* L.) = *Odontites luteus*

(*Euphrasia minima* Jacq. var. *carpatica* Freyn, non *Euphrasia carpatica* Zapal.) =

*Euphrasia tatrae*

**Euphrasia montana** Jord.

**Euphrasia** × **murbeckii** Wettst. = *Euphrasia brevipila* × *Euphrasia parviflora*

**Euphrasia nemorosa** (Pers.) Wallr.

(*Euphrasia odontites* L.) = *Odontites vulgaris*

[*Euphrasia officinalis* L. subsp. *kernerii* (Wettst.) Eb.Fischer] = *Euphrasia kernerii*

[*Euphrasia officinalis* L. subsp. *picta* (Wimmer) Oborny] = *Euphrasia picta*

[*Euphrasia officinalis* L. subsp. *rostkoviana* (Hayne) Towns.] = *Euphrasia rostkoviana*

(*Euphrasia orae-australis* Juz.) = *Euphrasia bicknellii*

**Euphrasia parviflora** Schag.

**Euphrasia pectinata** Ten. ~ *Euphrasia stricta* s.l.

**Euphrasia picta** Wimmer

**Euphrasia rostkoviana** Hayne

**Euphrasia salisburgensis** Funck

(*Euphrasia serotina* Lam., nom. illeg.) = *Odontites vulgaris*

**Euphrasia stricta** D.Wolff ex J.F.Lehm.

**Euphrasia tatarica** Fisch. ex Spreng. ~ *Euphrasia stricta* s.l.

{*Euphrasia tatarica* auct. non Fisch. ex Spreng.} = *Euphrasia irenae*

**Euphrasia tatrae** Wettst.

**Euphrasia taurica** Ganesch. ex Popl.

(*Euphrasia tenuis* (Brenn.) Wettst.) = *Euphrasia vernalis*

(*Euphrasia uechtritziana* Jung. & Engl.) = *Euphrasia coerulea*

{*Euphrasia uechtritziana* auct. non Jung. & Engl.} = *Euphrasia chitrovoi*

**Euphrasia vernalis** List.

**Gratiola officinalis** L.

**Kickxia caucasica** (Muss.-Puschk. ex Spreng.) Kuprian.

**Kickxia elatine** (L.) Dumort.

**Kickxia spuria** (L.) Dumort.

**Lathraea squamaria** L.



***Limosella aquatica* L.**

***Linaria angustissima* (Loisel.) Borbás**

***Linaria bessarabica* Kotov**

Conservation status: RDBU (1); ERL (V).

***Linaria biebersteinii* Besser**

Conservation status: IUCN RL (1).

(*Linaria biebersteinii* Besser subsp. *ruthenica* (Bloński) Ivanina) = *Linaria ruthenica*

{*Linaria bipartita* auct. non (Vent.) Willd.} = *Linaria incarnata*

***Linaria concolor* Griseb.**

***Linaria cretacea* Fisch. ex Spreng.**

Conservation status: RDBU (1), including *Linaria cretica*.

(*Linaria cretica* Kuprian.) = *Linaria cretacea*

***Linaria dulcis* Klokov**

*Linaria euxina* Velen. ~ *Linaria sypsiensis*

***Linaria genistifolia* (L.) Mill.**

\*!*Linaria incarnata* (Vent.) Spreng.

***Linaria macroura* (M.Bieb.) M.Bieb.**

***Linaria maeotica* Klokov**

(*Linaria petraea* Steven) = *Linaria sypsiensis*

(*Linaria pontica* Kuprian.) = *Linaria genistifolia*

***Linaria ruthenica* Bloński**

{*Linaria ruthenica* auct. non Bloński} = *Linaria maeotica*

***Linaria sabulosa* Czern. ex Klokov ~ *Linaria genistifolia* s.l.**

Conservation status: RDBU (2); ERL (R).

(*Linaria scenoreina* Juz.) = *Linaria genistifolia*

***Linaria simplex* (Willd.) DC.**

***Linaria sypsiensis* K.Koch ~ *Linaria genistifolia* s.l.**

Note: Southern Ukrainian races of the *Linaria genistifolia* aggregate are probably conspecific with *L. dalmatica* (L.) Mill.

***Linaria tesquicola* Klokov ~ *Linaria maeotica***

***Linaria vulgaris* Mill.**

***Lindernia procumbens* (Krock.) Borbás**

{*Lindernia pyxidaria* auct. non L.} = *Lindernia procumbens*

***Macrosyringion glutinosum* (M.Bieb.) Rothm.**

***Melampyrum argyrocomum* Fisch. ex Koso-Pol. ~ *Melampyrum arvense* aggr.**

***Melampyrum arvense* L.**

(*Melampyrum arvense* L. subsp. *pseudobarbulatum* (Schur.) Ronn) = *Melampyrum arvense*

***Melampyrum carpaticum* Schult. ~ *Melampyrum sylvaticum* aggr.**

***Melampyrum chlorostachyum* Beauverd ~ *Melampyrum arvense* aggr.**

***Melampyrum cretaceum* Czern. ~ *Melampyrum arvense* aggr.**

**Melampyrum cristatum** L.

[*Melampyrum cristatum* L. subsp. *solstitale* (Ronniger) Ronniger] = *Melampyrum solstitialis*

**Melampyrum herbichii** Wol. ~ *Melampyrum sylvaticum* aggr.

?**Melampyrum herbichii** Wol. subsp. **woloszczakii** Jasiew.

Note: Probably occurs in the Carpathians.

**Melampyrum laciniatum** Koshevn. & Zinger ~ *Melampyrum pratense* aggr.

(*Melampyrum laricetorum* (A.Kern.) Ronniger) = *Melampyrum carpaticum*

**Melampyrum moravicum** Heinr.Braun ~ *Melampyrum nemorosum* aggr.

**Melampyrum nemorosum** L.

[*Melampyrum nemorosum* L. subsp. *moravicum* (Heinr.Braun) Ronniger] = *Melampyrum moravicum*

**Melampyrum polonicum** (Beauverd) Soó ~ *Melampyrum nemorosum* aggr.

**Melampyrum polonicum** (Beauverd) Soó subsp. **hayekii** Soó

**Melampyrum pratense** L.

[*Melampyrum pratense* L. subsp. *laciniatum* (Koshevn. & Zinger) Tzvelev] = *Melampyrum laciniatum*

**Melampyrum saxosum** Baumg. ~ *Melampyrum sylvaticum* aggr.

**Melampyrum solstitale** Ronniger ~ *Melampyrum cristatum* aggr.

{*Melampyrum subalpinum* auct. non A.Kern.} = *Melampyrum polonicum*

**Melampyrum sylvaticum** L.

[*Melampyrum sylvaticum* L. subsp. *carpaticum* (Schult.) Soó] = *Melampyrum carpaticum*

[*Melampyrum sylvaticum* L. subsp. *laricetorum* (A.Kern.) Ronniger] = *Melampyrum carpaticum*

(*Melampyrum vulgatum* Pers., nom. illeg.) = *Melampyrum pratense*

{*Melampyrum vulgatum* auct. non Pers.} = *Melampyrum laciniatum*

[*Microrrhinum klokovii* (Kotov) F.Speta] = *Chaenorrhinum klokovii*

[*Microrrhinum minus* (L.) Fourr.] = *Chaenorrhinum minus*

(*Mimulus alectorolophus* Scop., nom. illeg.) = *Rhinanthus alectorolophus*

{*Mimulus luteus* auct. non L.} = *Mimulus guttatus*

\*!**Mimulus guttatus** DC.

**Misopates orontium** (L.) Raf.

[*Odontites glutinosus* (M.Bieb.) Benth.] = *Macrosyringium glutinosum*

**Odontites luteus** (L.) Clairv.

**Odontites salinus** (Kotov) Kotov

(*Odontites serotinus* Dumort.) = *Odontites vulgaris*

**Odontites vernus** (Bellardi) Dumort.

**Odontites vulgaris** Moench

[*Odontites vulgaris* Moench subsp. *salinus* (Kotov) Tzvelev] = *Odontites salinus*

(*Orthantha lutea* (L.) A.Kern. ex Wettst., nom. illeg.) = *Odontites luteus*

[*Orthanthella lutea* (L.) Rauschert] = *Odontites luteus*

\**Paulownia tomentosa* (Thunb.) Steud.

(*Pedicularis carpatica* Porc.) = *Pedicularis hasquetii*

?*Pedicularis comosa* L.

Note: Occurrence of *P. comosa* s.str. in Ukraine needs confirmation.

{*Pedicularis comosa* auct. non L.} = *Pedicularis kaufmannii*

*Pedicularis dasystachys* Schreßk

*Pedicularis exaltata* Besser

Conservation status: RDBU (1); ERL (1).

*Pedicularis hacquetii* Graf

*Pedicularis kaufmannii* Pinzg.

*Pedicularis oederi* Vahl

Conservation status: RDBU (1).

*Pedicularis palustris* L.

*Pedicularis sceptrum-carolinum* L.

Conservation status: RDBU (1).

*Pedicularis sibthorpii* Boiss.

*Pedicularis sylvatica* L.

(*Pedicularis transsilvanica* Schur) = *Pedicularis hacquetii*

(*Pedicularis versicolor* Wahlenb.) = *Pedicularis oederi*

*Pedicularis verticillata* L.

[*Pseudolysimachion barrelieri* (Schott) Holub] = *Veronica barrelieri*

[*Pseudolysimachion euxinum* (Turtill) Holub] = *Veronica euxina*

[*Pseudolysimachion incanum* (L.) Holub] = *Veronica incana*

[*Pseudolysimachion incanum* (L.) Holub subsp. *hololeucum* (Juz.) Holub] = *Veronica hololeuca*

[*Pseudolysimachion longifolium* (L.) Opiz] = *Veronica longifolia*

[*Pseudolysimachion orchideum* (Crantz) T. Wraber] = *Veronica orchidea*

(*Pseudolysimachion paniculatum* (L.) Hartl.) = *Veronica spuria*

[*Pseudolysimachion spicatum* (L.) Opiz] = *Veronica spicata*

[*Pseudolysimachion spurium* (L.) Rauschert] = *Veronica spuria*

(*Pseudolysimachion spurium* (L.) Rauschert subsp. *paniculatum* (L.) Dostál) = *Veronica spuria*

[*Pseudolysimachion viscosulum* (Klokov) Soják] = *Veronica viscosula*

*Rhinanthus aestivalis* (N. Zinger) Schischk. & Serg. ~ *Rhinanthus serotinus*

*Rhinanthus alectorolophus* Pollich

(*Rhinanthus alpinus* Baumg. 1816, non (L.) Lam. 1778) = *Rhinanthus pulcher* subsp. *alpinus*

(*Rhinanthus angustifolius* C.C. Gmel., nom. ambig.) = *Rhinanthus glacialis* subsp. *subalpinus*

*Rhinanthus apterus* (Fr.) Oestf.

**Rhinanthus cretaceus** Vassilcz.

Conservation status: RDBU (1); ERL (R).

{*Rhinanthus crista-galli* auct. non L.} = *Rhinanthus minor*

(*Rhinanthus elatus* (Sterneck) O.Schwarz) = *Rhinanthus pulcher* subsp. *elatus*

(*Rhinanthus erectus* (Sterneck) O.Schwarz) = *Rhinanthus pulcher* subsp. *erectus*

***Rhinanthus* × *fallax*** (Wimmer & Graeb.) Chabert. = *Rhinanthus minor* × *Rhinanthus vernalis*

(*Rhinanthus glaber* Lam.) = *Rhinanthus minor*

***Rhinanthus glacialis*** Personnat subsp. *aristatus* (Čelak.) Rauschert

***Rhinanthus glacialis*** Personnat subsp. *subalpinus* (Sterneck) Rauschert

(*Rhinanthus major* L., nom. ambig.) = *Rhinanthus alectorolophus*

{*Rhinanthus major* sensu Ehrh., non L.} = *Rhinanthus serotinus*

{*Rhinanthus mediterraneus* auct. non (Sterneck) Adamov} = *Rhinanthus vassilchenkoi*

***Rhinanthus minor*** L.

***Rhinanthus minor*** L. subsp. *elatior* (Schur) O.Schwarz

(*Rhinanthus minor* L. subsp. *stenophyllus* (Schur) O.Schwarz) = *Rhinanthus nigricans*

{*Rhinanthus montanus* auct. non Saut.} = *Rhinanthus serotinus*

***Rhinanthus nigricans*** Meinsh.

(*Rhinanthus patulus* (Sterneck) Schinz & Thell.) = *Rhinanthus alectorolophus*

***Rhinanthus pectinatus*** (Behrend.) Vassilcz.

***Rhinanthus pulcher*** Gunther & Schummel ex Opiz subsp. *alpinus* (Walp.) Rauschert

***Rhinanthus pulcher*** Gunther & Schummel ex Opiz subsp. *elatus* (Sterneck) O.Schwarz

***Rhinanthus pulcher*** Gunther & Schummel ex Opiz subsp. *erectus* (Sterneck) O.Schwarz

***Rhinanthus serotinus*** (Schoenh.) Oborny

[*Rhinanthus serotinus* (Schoenh.) Oborny subsp. *aestivalis* (N.Zinger) Dostal] =

*Rhinanthus aestivalis*

[*Rhinanthus serotinus* (Schoenh.) Oborny subsp. *vernalis* (N.Zinger) Hyl.] = *Rhinanthus vernalis*

***Rhinanthus songaricus*** (Sterneck) B.Fedtsch.

(*Rhinanthus stenophyllus* (Schur) O.Schwarz) = *Rhinanthus nigricans*

***Rhinanthus subulatus*** (Chabert) Soó

***Rhinanthus vassilchenkoi*** Ivanina & Karasjuk

***Rhinanthus vernalis*** (N.Zinger) Schischk. & Serg. ~ *Rhinanthus serotinus*

[*Rhinanthus vernalis* (N.Zinger) subsp. *aestivalis* (N.Zinger) Ivanina] = *Rhinanthus aestivalis*

(*Scrophularia alata* Gilib., nom. inval.) = *Scrophularia umbrosa*

(*Scrophularia aquatica* L., nom. utique rej. prop.) = *Scrophularia umbrosa*

***Scrophularia bicolor*** Smith

{*Scrophularia canina* auct. non L.} = *Scrophularia bicolor*

***Scrophularia cretacea*** Fisch. ex Spreng.

Conservation status: RDBU (3); IUCN RL (I); ERL (I).

***Scrophularia donetzica*** Kotov ~ *Scrophularia rupestris* s.l.

Conservation status: RDBU (2); ERL (R).

***Scrophularia exilis*** Popl.

(*Scrophularia glandulosa* Waldst. & Kit.) = *Scrophularia scopolii*

*Scrophularia goldeana* Juz.

*Scrophularia granitica* Klokov & A.Krasnova

Conservation status: RDBU (1).

*Scrophularia nodosa* L.

*Scrophularia olympica* Boiss.

*Scrophularia rupestris* M.Bieb. ex Willd.

*Scrophularia scopolii* Hoppe ex Pers.

*Scrophularia umbrosa* Dumort.

*Scrophularia vernalis* L.

{*Tozzia alpina* auct. non L.} = *Tozzia carpathica*

[*Tozzia alpina* L. subsp. *carpathica* (Wol.) Hayek] = *Tozzia carpathica*

*Tozzia carpathica* Wol.

*Verbascum austriacum* Schott ex Roem. & Schult. ~ *Verbascum chaixii* aggr.

{*Verbascum austriacum* auct. non Schott} ~ *Verbascum marschallianum*

*Verbascum* × *ambiguum* Lej. = *Verbascum densiflorum* × *Verbascum nigrum*

Note: Distribution of hybrids in Ukraine is insufficiently known.

*Verbascum banaticum* Schrad.

(*Verbascum biebersteinii* Besser) = *Verbascum lychnitis*

*Verbascum blattaria* L.

*Verbascum densiflorum* Bertol.

[*Verbascum chaixii* Vill. subsp. *austriacum* (Schott ex Roem. & Schult.) Hayek] =  
*Verbascum austriacum*

[*Verbascum chaixii* Vill. subsp. *laxum* (Filar. & Jáv.) Ivanina] = *Verbascum laxum*

(*Verbascum chaixii* Vill. subsp. *orientale* (M.Bieb.) Hayek) = *Verbascum orientale*

(*Verbascum compactum* M.Bieb.) = *Verbascum ovalifolium*

(*Verbascum erythrocaule* Schur) = *Verbascum glabratum*

*Verbascum glabratum* Friv.

*Verbascum gnaphalodes* M.Bieb.

*Verbascum* × *ignescens* Tausch = *Verbascum lychnitis* × *Verbascum phoeniceum*

*Verbascum* × *incanum* Gaudin = *Verbascum lychnitis* × *Verbascum nigrum*

*Verbascum* × *intermedium* Rupr. ex Pfund = *Verbascum blattaria* × *Verbascum nigrum*

*Verbascum lanatum* Schrad.

*Verbascum laxum* Filar. & Jáv. ~ *Verbascum chaixii* aggr.

*Verbascum lychnitis* L.

*Verbascum marschallianum* Ivanina & Tzvelev ~ *Verbascum chaixii* aggr.

*Verbascum nigrum* L.

*Verbascum orientale* (L.) All.

(*Verbascum orientale* M.Bieb.) = *Verbascum marschallianum*

*Verbascum ovalifolium* Donn ex Sims.

*Verbascum phlomoides* L.

*Verbascum phoeniceum* L.

*Verbascum pinnatifidum* Vahl

**Verbascum** × **pseudophoeniceum** Reichardt = **Verbascum** **blattaria** × **Verbascum** **phoeniceum**  
**Verbascum** **pyramidatum** M.Bieb.  
**Verbascum** × **ramigerum** Link ex Schrad. = **Verbascum** **densiflorum** × **Verbascum** **lychnitis**  
**Verbascum** **sinuatum** L.  
**Verbascum** **speciosum** Schrad.  
**Verbascum** **spectabile** M.Bieb.  
**Verbascum** × **tauricum** Hook. = **Verbascum** **phoeniceum** × **Verbascum** **spectabile**  
 (**Verbascum** **thapsiforme** Schrad.) = **Verbascum** **densiflorum**  
**Verbascum** **thapsus** L.  
**Verbascum** **undulatum** Lam.  
**Verbascum** × **ustulatum** Čelak. = **Verbascum** **nigrum** × **Verbascum** **phoeniceum**  
**Verbascum** × **versiflorum** Schrad. = **Verbascum** **phoeniceum** × **Verbascum** **thapsus**

**Veronica** **acinifolia** L.  
**Veronica** **agrestis** L.  
**Veronica** **alpina** L.  
 (**Veronica** **anagalliformis** Boreau) = **Veronica** **anagallis-aquatica**  
**Veronica** **anagallis-aquatica** L.  
**Veronica** **anagalloides** Guss.  
**Veronica** **aphylla** L.  
**Veronica** **arvensis** L.  
**Veronica** **austriaca** L.  
 {**Veronica** **austriaca** sensu Boriss., non L.} = **Veronica** **jacquinii**  
 [**Veronica** **austriaca** L. subsp. **jacquinii** (Baumg.) Eb.Fischer] = **Veronica** **jacquinii**  
 (**Veronica** **austriaca** L. subsp. **teucrium** (L.) D.A.Webb) = **Veronica** **teucrium**  
**Veronica** **barrelieri** Schott ~ **Veronica** **spicata** aggr.  
 (**Veronica** **barrelieri** Schott var. **donetzica** Ostapko, nom. inval.) = **Veronica** **donetzica**  
**Veronica** **baumgartenii** Roem. & Schult.  
**Veronica** **beccabunga** L.  
**Veronica** **bellidioides** L.  
**Veronica** **bordzilowskii** Juz.  
**Veronica** **borysthenea** Ostapko ~ **Veronica** **spicata** aggr.  
**Veronica** **capsellicarpa** Dubovik  
**Veronica** **cardiocarpa** (Kar. & Kir.) Walp.  
 Note: A rare alien species recently collected in Kiev (T. Golyachenko, M. Bortnyak & al., 1992, Ukr. Bot. Zhurn. 49(3): 93-95).  
**Veronica** **chamaedrys** L.  
 [**Veronica** **chamaedrys** L. subsp. **vindobonensis** M.A.Fisch.] = **Veronica** **vindobonensis**  
**Veronica** **cretacea** Ostapko ~ **Veronica** **barrelieri**  
 Note: See V. Ostapko (1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).  
**Veronica** **cymbalaria** Bod.  
 (**Veronica** **dentata** F.W.Schmidt) = **Veronica** **austriaca**  
 {**Veronica** **didyma** auct. non Ten., nom. ambig.} = **Veronica** **polita**  
**Veronica** **dillenii** Crantz

**Veronica donetzica** Ostapko ~ *Veronica barrelieri*

Note: See V. Ostapko (1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).

?**Veronica euxina** Turill

**Veronica filiformis** Smith

**Veronica fruticans** Jacq.

?**Veronica fruticulosa** L.

**Veronica gentianoides** Vahl

**Veronica gryniana** Klokov ~ *Veronica euxina*

**Veronica hederifolia** L.

[*Veronica hederifolia* L. subsp. *triloba* (Opiz) Čelak.] = *Veronica triloba*

**Veronica hololeuca** Juz.

**Veronica humifusa** Dicks. ~ *Veronica serpyllifolia*

**Veronica incana** L.

{*Veronica incana* auct. non L.} = *Veronica hololeuca*

(*Veronica ivoides* Juz.) = *Veronica gentianoides*

**Veronica jacquinii** Baumg.

**Veronica longifolia** L.

**Veronica lysimachioides** Boiss.

**Veronica maeotica** Klokov ~ *Veronica spicata* aggr.

(*Veronica maxima* Boriss., non Mill.) = *Veronica urticifolia*

**Veronica montana** L.

{*Veronica multifida* auct. non L.} = *Veronica capsellcarpa*

**Veronica officinalis** L.

**Veronica opaca** Fr.

**Veronica orchidea** Crantz

**Veronica paczoskiana** Klokov ~ *Veronica spicata*

(*Veronica paniculata* L.) = *Veronica spuria*

**Veronica peregrina** L.

**Veronica persica** Poir.

**Veronica polita** Fr.

{*Veronica poljensis* auct. non Murb.} = *Veronica anagalloides*

**Veronica pontica** Ostapko ~ *Veronica barrelieri*

Note: See V. Ostapko (1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).

(*Veronica pseudochamaedrys* Jacq.) = *Veronica teucrium*

**Veronica** × **pseudoorchidea** (Pacz.) Klokov = *Veronica spicata* × *Veronica paczoskiana*

**Veronica praecox** All.

**Veronica prostrata** L.

?**Veronica scardica** Griseb.

**Veronica sclerophylla** Dubovik ~ *Veronica jacquinii*

**Veronica scutellata** L.

**Veronica semiglabrata** Ostapko ~ *Veronica incana*

Note: Probably a hybrid between *V. incana* and *V. barrelieri* (see V. Ostapko, 1994, Ukr. Bot. Zhurn. 51(2-3): 84-91).

**Veronica serpyllifolia** L.

[*Veronica serpyllifolia* L. subsp. *humifusa* (Dicks.) Syme] = *Veronica humifusa*

(*Veronica serpyllifolia* L. subsp. *nummularioides* (Lecoq & Lamotte) Dostál) = *Veronica humifusa*

***Veronica spicata* L.**

***Veronica spuria* L.**

***Veronica sublobata* M.A.Fisch. ~ *Veronica hederifolia***

(*Veronica steppacea* Kotov) = *Veronica barrelieri*

Note: The true identity of *V. steppacea* is uncertain (the type probably belongs to *V. maeotica* or *V. viscosula*).

***Veronica taurica* Willd.**

***Veronica teucrium* L.**

***Veronica triloba* (Opiz) Opiz ~ *Veronica hederifolia***

***Veronica triphyllos* L.**

***Veronica umbrosa* M.Bieb.**

***Veronica urticifolia* Jacq.**

***Veronica verna* L.**

***Veronica vindobonensis* (M.A.Fisch.) M.A.Fisch. ~ *Veronica chamaedrys***

***Veronica viscosula* Klokov**

## **FAMILY Simaroubaceae**

**\*!*Ailanthus altissima* (Mill.) Swingle**

Note: A completely naturalized and invasive species in S Ukraine.  
(*Ailanthus glandulosa* Desf.) = *Ailanthus altissima*

## **FAMILY Solanaceae**

***Atropa bella-donna* L.**

Conservation status: RDBU (2).

(*Atropa physalodes* L.) = *Nicandra physalodes*

**\**Capsicum annuum* L.**

**\*!*Datura innoxia* Mill.**

**\**Datura metel* L.**

**\*!*Datura meteloides* DC.**

***Datura stramonium* L.**

***Datura tatula* L. ~ *Datura stramonium***

(*Hyoscyamus agrestis* Kit. ex Schult.) = *Hyoscyamus bohemicus*

***Hyoscyamus albus* L.**

***Hyoscyamus bohemicus* F.W.Schmidt ~ *Hyoscyamus niger***

***Hyoscyamus niger* L.**

(*Hyoscyamus pallidus* Waldst. & Kit. ex Willd.) = *Hyoscyamus niger*

**\*!*Lycium barbarum* L.**

Note: Completely naturalized elsewhere in Ukraine.



\**Lycopersicon esculentum* Mill. s.l.  
(*Lycopersicon lycopersicum* (L.) H.Karst., nom. utique rej.) = *Lycopersicon esculentum*

\*!*Nicandra physalodes* (L.) P.Gaertn.

\*!*Nicotiana alata* Link & Otto

\**Nicotiana rustica* L.

\**Nicotiana tabacum* L.

\**Petunia* × *atkinsiana* D.Don ex Loudon

Note: A group of cultivated hybrids, mostly *P. integrifolia* (Hook.) Schinz & Thell. ×

*P. axillaris* Britt., Sterns & Poggenb.

(*Petunia hybrida* hort.) = *Petunia* × *atkinsiana*

*Physalis alkekengi* L.

\**Physalis franchetii* Mast.

\*!*Physalis ixocarpa* Brot. ex Hornem.

\**Physalis peruviana* L.

\**Physalis pubescens* L.

\**Salpiglossis sinuata* Ruiz & Pav.

*Scopolia carniolica* Jacq.

Conservation status: RDBU (2).

(*Scopolia tubiflora* Kreyer) = *Scopolia carniolica*

*Solanum alatum* Moench ~ *Solanum villosum*

*Solanum carolinense* L.

Note: A rare alien species collected in Ukraine only once (Kiev, near a grain mill).

(*Solanum chlorocarpum* Spenner) = *Solanum schultesii*

(*Solanum citrullifolium* A.Braun) = *Solanum heterodoxum*

*Solanum cornutum* Lam.

(*Solanum decipiens* Opiz) = *Solanum schultesii*

(*Solanum depiliatum* Kitag. 1939, non Bitt. 1913) = *Solanum kitagawae*

*Solanum dulcamara* L.

(*Solanum flavesces* Andr.) = *Solanum nigrum*

*Solanum heterodoxum* Dunal

*Solanum humile* Bernh. ex Willd. ~ *Solanum nigrum*

?*Solanum judaicum* (L.) Besser

Note: Reported by W. Besser (1809) from Podolia; no recent records available.

*Solanum kitagawae* Schoenb.-Tem. ~ *Solanum dulcamara*

(*Solanum luteum* Mill.) = *Solanum villosum*

(*Solanum luteum* Mill. subsp. *alatum* (Moench) Dostál) = *Solanum alatum*

(*Solanum lycopersicum* L.) = *Lycopersicon esculentum*

\**Solanum melongena* L.

**Solanum nigrum** L.

[*Solanum nigrum* L. subsp. *humile* (Bernh. ex Willd.) Marzell] = *Solanum humile*

[*Solanum nigrum* L. subsp. *schultesii* (Opiz) Wessely] = *Solanum schultesii*

(*Solanum nigrum* L. var. *viscosum* Lonacz. ex Wissjul.) = *Solanum schultesii*

(*Solanum rostratum* Dunal) = *Solanum cornutum*

**Solanum schultesii** Opiz

**Solanum sisymbriifolium** Lam.

**\*Solanum tuberosum** L.

**Solanum villosum** Mill.

[*Solanum villosum* Mill. subsp. *alatum* (Moench) Edmonds] = *Solanum alatum*

(*Solanum villosum* Mill. subsp. *puniceum* (Kirschl.) Edmonds) = *Solanum alatum*

**Solanum zelenetzii** Pojark. ~ *Solanum alatum*

Conservation status: ERL (1).

**FAMILY Staphyleaceae**

**\*Staphylea colchica** Steven

**Staphylea pinnata** L.

Conservation status: RDBU (2).

**\*Staphylea trifolia** L.

**FAMILY Tamaricaceae**

(*Tamarix affinis* Bunge) = *Tamarix gracilis*

(*Tamarix germanica* L.) = *Myricaria germanica*

**Tamarix gracilis** Willd.

Conservation status: RDBU (1).

**Tamarix hohenackeri** Bunge

(*Tamarix odessana* Steven ex Bunge) = *Tamarix ramosissima*

(*Tamarix polystachya* Ledeb.) = *Tamarix gracilis*

**Tamarix ramosissima** Ledeb.

{*Tamarix smyrnensis* auct. non Bunge} = *Tamarix hohenackeri*

**Tamarix tetrandra** Pall. ex M.Bieb.

(*Myricaria alopecuroides* Schrenk) = *Myricaria bracteata*

**Myricaria bracteata** Royle

**Myricaria germanica** (L.) Desv.

[*Myricaria germanica* (L.) Desv. subsp. *alopecuroides* (Schrenk) Kitam.] = *Myricaria bracteata*

**Myricaria squamosa** Desv.

**FAMILY Theaceae**

**\*Thea sinensis** L.

## **FAMILY Theligonaceae**

*Theligonum cynocrambe* L.

## **FAMILY Thymelaeaceae**

*Daphne encorum* L.

Conservation status: RDBU (3).

*Daphne laureola* L.

*Daphne mezereum* L.

*Daphne sophia* Kalen.

Conservation status: RDBU (1); IUCN RL (I); ERL (R).

*Daphne taurica* Kotov

Conservation status: RDBU (1); ERL (E).

*Thymelaea passerina* (L.) Coss. & Germ.

## **FAMILY Tiliaceae**

\**Tilia americana* L.

\**Tilia amurensis* Rupr.

(*Tilia argentea* Desf. ex DC.) = *Tilia tomentosa*

\**Tilia begoniifolia* Steven

Note: *Tilia begoniifolia* has been described from the Caucasus, cultivated in Ukraine; Crimean wild populations are sometimes treated as a separate species, *T. ruprechtii*.

\**Tilia caroliniana* Mill.

(*Tilia caucasica* Rupr.) = *Tilia begoniifolia*

*Tilia cordata* Mill.

(*Tilia cordata* Mill. var. *mandshurica* Maxim.) = *Tilia amurensis*

(*Tilia cordifolia* Besser) = *Tilia europaea*

*Tilia dasystyla* Steven

Conservation status: RDBU (2); ERL (V).

*Tilia europaea* L.

{*Tilia europaea* auct. non L.} = *Tilia × vulgaris*

(*Tilia grandiflora* Ehrh.) = *Tilia platyphyllos*

\**Tilia heterophylla* Vent.

\**Tilia ledebouri* Borbás

\**Tilia mandshurica* Rupr.

(*Tilia officinarum* Crantz, nom. utique rej. prop.) = *Tilia cordata*

\**Tilia oliveri* Szyszyl.

(*Tilia parvifolia* Hoffm.) = *Tilia cordata*

*Tilia petiolaris* DC.

*Tilia platyphyllos* Scop.

(*Tilia platyphyllos* Scop. subsp. *cordifolia* (Besser) C.K.Schneid.) = *Tilia europaea*

*Tilia ruprechtii* Borbás = *Tilia begoniifolia*

**Tilia tomentosa** Moench

**Tilia** × **vulgaris** Hayne = *Tilia cordata* × *Tilia platyphyllos*

## **FAMILY Trapaceae**

Note: The family is represented in Ukraine by one "macrospecies", *Trapa natans* L. sensu lato.

**Trapa borysthena** V.Vassil. = *Trapa natans*

**Trapa danubialis** Dobrocz. = *Trapa pseudocolchica*

**Trapa flerovii** Dobrocz.

**Trapa hungarica** Opiz

(*Trapa hungarica* Flerow 1925, non Opiz 1854) = *Trapa flerovii*

**Trapa macrorhiza** Dobrocz. = *Trapa ucrainica*

**Trapa maeotica** Woronow

**Trapa natans** L.

Conservation status: RDBU (2), as *Trapa natans* s.l., including all species of the genus occurring in Ukraine.

**Trapa pseudocolchica** V.Vassil.

**Trapa rossica** V.Vassil.

**Trapa ucrainica** V.Vassil.

## **FAMILY Tropaeolaceae**

\***Tropaeolum majus** L.

\***Tropaeolum minus** L.

## **FAMILY Ulmaceae**

\***Celtis australis** L.

\***Celtis caucasica** Willd.

**Celtis glabrata** Steven ex Planch.

\***Celtis occidentalis** L.

Note: Several other exotic species of *Celtis* are rarely cultivated in botanical gardens and arboreta.

(*Ulmus campestris* L. nom. ambig.) = *Ulmus minor*

(*Ulmus campestris* L. var. *suberosa* (Moench) Wahl) = *Ulmus suberosa*

(*Ulmus carpinifolia* Rupp. ex G.Suckow) = *Ulmus minor*

(*Ulmus celtidea* (Rogow.) Litv.) = *Ulmus laevis*

(*Ulmus corylifolia* Host) = *Ulmus minor*

(*Ulmus effusa* Willd.) = *Ulmus laevis*

(*Ulmus elliptica* K.Koch) = *Ulmus glabra*

(*Ulmus excelsa* Borkh.) = *Ulmus glabra*

(*Ulmus foliacea* Gilib., nom. inval.) = *Ulmus minor*

**Ulmus glabra** Huds.

(*Ulmus glabra* Mill. 1768, non Huds. 1762) = *Ulmus minor*

**Ulmus** × **hollandica** Mill. = *Ulmus glabra* × *Ulmus minor*

**Ulmus laevis** Pall.

**Ulmus minor** Mill.

[*Ulmus minor* Mill. var. *suberosa* (Moench) Soó] = *Ulmus suberosa*

(*Ulmus pinnato-ramosa* Dieck ex Koehne) = *Ulmus pumila*

(*Ulmus podolica* (Wilez.) Klokov) = *Ulmus glabra*

\*!**Ulmus pumila** L.

Note: Locally naturalized, especially common along railroads (e.g. in Kiev).

(*Ulmus scabra* Mill) = *Ulmus glabra*

**Ulmus suberosa** Moench ~ *Ulmus minor*

(*Ulmus sukaczewii* Andron.) = *Ulmus glabra*

(*Ulmus wysotskyi* Kotov) = *Ulmus minor*

\***Zelkova carpinifolia** (Pall.) K.Koch

## **FAMILY Urticaceae**

(*Parietaria chersonensis* (Lang & Szov.) Dörf.) = *Parietaria serbica*

(*Parietaria diffusa* Mert. & W.D.J.Koch) = *Parietaria judaica*

(*Parietaria erecta* Mert. & W.D.J.Koch) = *Parietaria officinalis*

**Parietaria judaica** L.

{*Parietaria lusitanica* auct. non L.} = *Parietaria serbica*

[*Parietaria lusitanica* L. subsp. *serbica* (Pančić) P.W.Ball] = *Parietaria serbica*

**Parietaria officinalis** L.

{*Parietaria officinalis* auct. non L.} = *Parietaria judaica*

(*Parietaria ramiflora* Moench, nom. illeg.) = *Parietaria judaica*

**Parietaria serbica** Pančić

**Urtica cannabina** L.

**Urtica dioica** L.

(*Urtica dioica* L. subsp. *bollae* (Kanitz) Domin) = *Urtica kioviensis*

[*Urtica dioica* L. subsp. *galeopsifolia* (Wierzb. ex Opiz) Chrtek] = *Urtica galeopsifolia*

[*Urtica dioica* L. subsp. *kioviensis* (Rogow.) Domin] = *Urtica kioviensis*

[*Urtica dioica* L. subsp. *pubescens* (Ledeb.) Domin] = *Urtica pubescens*

[*Urtica dioica* L. subsp. *sondenii* (Simm.) Hyl.] = *Urtica sondenii*

**Urtica galeopsifolia** Wierzb. ex Opiz ~ *Urtica dioica* aggr.

**Urtica kioviensis** Rogow. ~ *Urtica dioica* aggr.

Conservation status: ERL (1).

**Urtica pilulifera** L.

**Urtica pubescens** Ledeb. ~ *Urtica dioica* aggr.

(*Urtica radicans* Bolla) = *Urtica kioviensis*

**Urtica sondenii** (Simm.) Avror. ex Geltman ~ *Urtica dioica* aggr.

**Urtica urens** L.

**FAMILY (Vacciniaceae) = Ericaceae**

**FAMILY Valerianaceae**

**Centranthus calcitrapa** (L.) Dufr.

Conservation status: RDBU (3).

**Centranthus ruber** (L.) DC.

(*Valeriana altissima* Hornem.) = *Valeriana officinalis*

(*Valeriana angustifolia* Tausch 1823, non Mill. 1768) = *Valeriana stolonifera*

(*Valeriana armena* P.Smirn. subsp. *grossheimii* (Worosch.) Worosch.) = *Valeriana grossheimii*

(*Valeriana bijuga* Simonk.) = *Valeriana tripteris*

(*Valeriana collina* Wallr., nom. illeg.) = *Valeriana stolonifera*

(*Valeriana collina* Wallr. subsp. *nitida* (Kreyer) A.Löve & D.Löve) = *Valeriana wolgensis*

**Valeriana dioica** L.

Conservation status: RDBU (3).

(*Valeriana dioica* L. var. *simplicifolia* Rechb.) = *Valeriana simplicifolia*

(*Valeriana dubia* Bunge subsp. *rossica* (P.Smirn.) Worosch.) = *Valeriana rossica*

(*Valeriana exaltata* J.C.Mikan) = *Valeriana officinalis*

(*Valeriana excelsa* Poir. subsp. *sambucifolia* (J.C.Mikan) Holub) = *Valeriana sambucifolia*

**Valeriana grossheimii** Worosch.

(*Valeriana nitida* Kreyer) = *Valeriana wolgensis*

**Valeriana officinalis** L.

(*Valeriana officinalis* L. subsp. *nitida* (Kreyer) Soó) = *Valeriana wolgensis*

(*Valeriana officinalis* L. var. *nitida* (Kreyer) Rostański) = *Valeriana wolgensis*

(*Valeriana palustris* Kreyer) = *Valeriana officinalis*

(*Valeriana polygama* Besser ex DC.) = *Valeriana simplicifolia*

**Valeriana rossica** P.Smirn.

**Valeriana sambucifolia** J.C.Mikan

**Valeriana simplicifolia** (Rechb.) Kabath

**Valeriana stolonifera** Czern.

(*Valeriana tanaitica* Worosch.) = *Valeriana wolgensis*

(*Valeriana transsilvanica* Schur) = *Valeriana tripteris*

**Valeriana tripteris** L.

**Valeriana tuberosa** L.

(*Valeriana wallrothii* Kreyer) = *Valeriana stolonifera*

**Valeriana wolgensis** Kazak. ~ *Valeriana officinalis*

(*Valerianella auricula* DC.) = *Valerianella rimosa*

**Valerianella brachystephana** (Ten.) Bertol.

**Valerianella carinata** Loisel.

**Valerianella coronata** (L.) DC.

**Valerianella costata** (Steven) Betsche

**Valerianella dentata** (L.) Pollich

*Valerianella echinata* (L.) DC.  
*Valerianella falconida* Schvedtsch.  
*Valerianella kotschy* Boiss.  
*Valerianella lasiocarpa* (Steven) Beteke  
*Valerianella locusta* (L.) Laterr.  
*Valerianella mixta* (L.) Dufr.  
*Valerianella muricata* (Steven ex M.Bieb.) J.W.Loudon  
*(Valerianella olitoria* (L.) Pollich) = *Valerianella locusta*  
*Valerianella pontica* Lipsky  
*Valerianella pumila* (L.) DC.  
*Valerianella rimosa* Bast.  
*Valerianella turgida* (Steven) Beteke  
*Valerianella uncinata* (M.Bieb.) Dufr.

## FAMILY Verbenaceae

\**Aloysia triphylla* (L'Hér.) Britton  
  
 \**Clerodendrum bungei* Steud.  
*(Clerodendrum foetidum* Bunge 1833, non D.Don 1825) = *Clerodendrum bungei*  
  
 \*!*Verbena canadensis* (L.) Britt.  
 \**Verbena* × *hybrida* Hort. ex Vilm.  
*Verbena officinalis* L.  
*Verbena supina* L.  
*Verbena urticifolia* L.  
 Note: A rare alien reported for Transcarpathia.  
  
 \*!*Vitex agnus-castus* L.

## FAMILY Violaceae

*Viola accrescens* Klokov  
*(Viola agrestis* Jord.) = *Viola arvensis*  
*Viola alba* Besser  
 Conservation status: RDBU (1).  
*Viola ambigua* Waldst. & Kit.  
*(Viola arenaria* DC.) = *Viola rupestris*  
*Viola arvensis* Murray  
*(Viola austriaca* A.Kern. & J.Kern.) = *Viola suavis*  
*(Viola besseri* Rupr.) = *Viola alba*  
*Viola biflora* L.  
*Viola* × *braunii* Borbás = *Viola canina* × *Viola rupestris*  
*(Viola campestris* M.Bieb.) = *Viola ambigua*  
*Viola canina* L.

***Viola collina*** Besser

*Viola commutata* auct. non Waisb.} = *Viola persicifolia*

***Viola* × *contempta*** Jord. = *Viola arvensis* × *Viola tricolor*

Note: Hybrids of *Viola* are insufficiently known in Ukraine.

***Viola cretacea*** Klokov ~ *Viola hymettia*

{*Viola cyanea* Čelak.) = *Viola suavis*

***Viola dacica*** Borbás

***Viola declinata*** Waldst. & Kit.

***Viola dehnhardtii*** Ten.

***Viola donetziensis*** Klokov ~ *Viola suavis*

(*Viola elatior* Fr.) = *Viola montana* s.str.

(*Viola elisabethae* Klokov) = *Viola saxatilis*

***Viola epipsila*** Ledeb.

***Viola hirta*** L.

(*Viola hybrida* Val de Lievre) = *Viola* × *interjecta*

(*Viola hybrida* hort.) = *Viola* × *wittrockiana*

***Viola hymettia*** Boiss. & Heldr.

***Viola* × *interjecta*** Borbás = *Viola collina* × *Viola hirta*

***Viola* × *intermedia*** Rchb. = *Viola riviniana* × *Viola riviniana*

***Viola jagellonica*** Zapal. ~ *Viola suavis*

***Viola jooi*** Janka

Conservation status: RDBU (1); IUCN RL (R); ERL (R).

***Viola jordanii*** Henry

***Viola kitaibeliana*** Schult.

***Viola* × *klingeana*** (Kupff.) W.Beck = *Viola nemoralis* × *Viola uliginosa*

***Viola lavrenkoana*** Klokov ~ *Viola hymettia*

Conservation status: ERL (I).

***Viola matutina*** Klokov ~ *Viola tricolor* s.l.

***Viola mirabilis*** L.

***Viola montana*** L. s.str.

{*Viola montana* auct. non L.} = *Viola nemoralis*

***Viola nemausensis*** Jord. ~ *Viola tricolor*

{*Viola nemausensis* sensu Klokov, non Jord.} = *Viola hymettia*

***Viola nemoralis*** Kütz.

***Viola occulta*** Lehm.

***Viola odorata*** L.

***Viola oreades*** M.Bieb.

Conservation status: RDBU (3); IUCN RL (V); ERL (R).

***Viola palustris*** L.

(*Viola parviflora* Kit.) = *Viola kitaibeliana*

(*Viola parviflora* Neilr.) = *Viola arvensis*

***Viola persicifolia*** Schreb.

***Viola pontica*** W.Beck. ~ *Viola suavis*

***Viola pumila*** Chaix

{*Viola pumila* auct. non Chaix} = *Viola accrescens*



**Viola reichenbachiana** Jord. ex Boreau  
**Viola riviniana** Rehb.  
**Viola rupestris** F.W.Schmidt  
**Viola rupestris** F.W.Schmidt subsp. **glaberrima** (Murb.) V.ikit.  
**Viola rupestris** F.W.Schmidt nothosubsp. **glabrescens** (Neum.) V.Nikit. = *Viola rupestris* subsp. *rupestris* × *Viola rupestris* subsp. *glaberrima*  
 {*Viola rupestris* sensu Klokov, non F.W.Schmidt} = *Viola rupestris* subsp. *glaberrima*  
 {*Viola ruppii* auct. non All.} = *Viola nemoralis*  
**Viola saxatilis** F.W.Schmidt  
 (*Viola scotophylla* Jord.) = *Viola dehnhardtii*  
**Viola sieheana** W.Beck.  
 (*Viola stagnina* Kit.) = *Viola persicifolia*  
**Viola suavis** M.Bieb.  
 (*Viola succica* Fr.) = *Viola epipsila*  
 (*Viola sylvatica* Fr. ex Hartm.f.) = *Viola reichenbachiana*  
 {*Viola sylvestris* auct. non Lam.} = *Viola riviniana*  
 {*Viola sylvestris* sensu Rehb., non Lam.} = *Viola reichenbachiana*  
**Viola tanaitica** Grosset  
**Viola tricolor** L.  
 [*Viola tricolor* L. subsp. *matutina* (Klokov) Valentine] = *Viola matutina*  
**Viola uliginosa** Besser  
 (*Viola vespertina* Klokov) = *Viola saxatilis*  
**Viola** × **villaquensis** Benz = *Viola nemoralis* × *Viola rupestris*  
**\*Viola** × **wittrockiana** Gams ex Hegi  
 Note: A complex hybrid with participation of *Viola altaica* Ker.-Gawl., *V. lutea* Huds., and *V. tricolor* L.

## **FAMILY (Viscaceae) = Loranthaceae**

## **FAMILY Vitaceae**

**\*Ampelopsis brevipedunculata** (Maxim.) Trautv.  
**\*Ampelopsis japonica** (Thunb.) Makino  
 (*Ampelopsis tricuspidata* Siebold & Zucc.) = *Parthenocissus tricuspidata*  
  
 (*Cissus brevipedunculata* Maxim.) = *Ampelopsis brevipedunculata*

**\*!Parthenocissus inserta** (A.Kern.) Fritsch

Note: Taxonomy of cultivated and escaped species of *Parthenocissus* is confused;  
 probably the correct name for the common naturalized species is *P. pubescens*  
 (Schlecht.) Graebn. or *P. vitacea* (L.) Planch.

**\*Parthenocissus quinquefolia** (L.) Planch.

**\*Parthenocissus tricuspidata** (Siebold & Zucc.) Planch.

(*Paulinia japonica* Thunb.) = *Ampelopsis japonica*

**\*Vitis amurensis** Rupr.

**\*Vitis coignetiae** Bull. ex Planch.

(*Vitis inserta* A.Kern.) = *Parthenocissus inserta*

**\*!Vitis labrusca** L.

**\*Vitis riparia** Michx. ~ *Vitis vulpina*

**\*Vitis rupestris** Scheele

*Vitis sylvestris* C.C.Gmel.

**\*!Vitis vinifera** L.

[*Vitis vinifera* L. subsp. *sylvestris* (C.C.Gmel.) Hegi] = *Vitis sylvestris*

**\*Vitis vulpina** L.

## **FAMILY Zygothymaceae**

Note: Including *Tetradiclidaceae*. See also *Nitrariaceae* & *Peganaceae*.

**Tetradiclis tenella** (Ehrenb.) Litv.

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