



CHECKLIST OF VASCULAR PLANT NAMES RECENTLY ENTERED TO THE INTERNATIONAL PLANT NAME INDEX

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Abstract. In recent years, scientists from various regions worldwide have contributed an average of over 2,000 new plant species to the scientific community annually. However, this number may fluctuate depending on the inclusion of new taxa discovered in local and national scientific publications. To expedite this process, beginning in December 2022, IPNI editors have enabled the 'new registration system for vascular plant names'. Through the efforts of researchers, numerous plant species have been documented and added to the IPNI database. Specifically, 201 taxa published between 1925 and 2023 were introduced into the IPNI database and integrated with international databases.

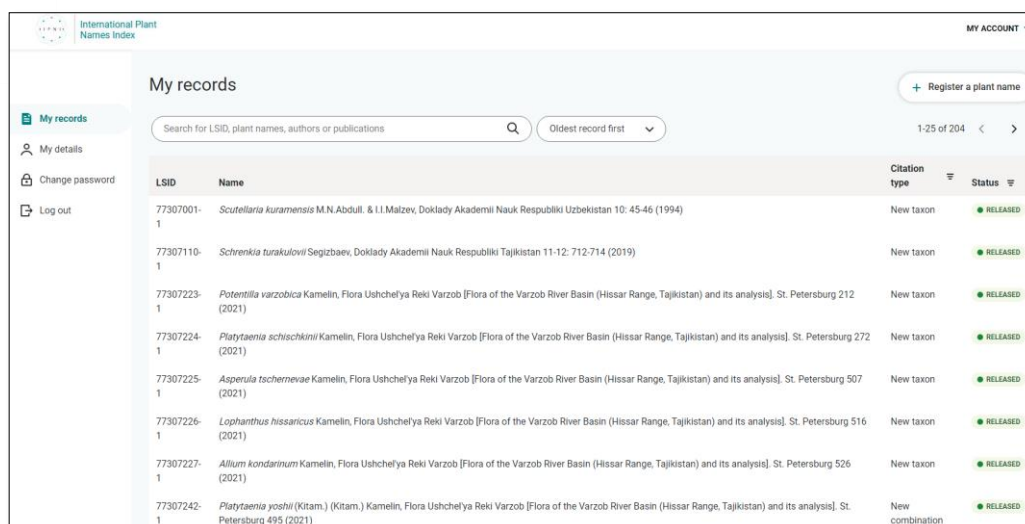
Each year, numerous species are discovered and classified as new to science, with an average of approximately 2,000 vascular plants annually (Christenhusz & Byng, 2016). In recent years, the number of new taxa described worldwide has been significant. For instance, in 2020, 1,747 new vascular plants were described, while 2,219 new taxa were reported in 2021, and at least 2,482 new taxa were identified in 2022 (Wan & Zhang, 2021, 2022, 2023). These new species are often published in local or national scientific journals, as well as in national lists of flora and prestigious international journals. Unfortunately, this fragmented approach to publishing new taxa can hinder their inclusion in a centralized international database. To address this issue, a new registration system for vascular plant names has been introduced in the IPNI database (Goverts et al., 2022). The flora of Central Asia comprises over 9,500 species belonging to 1,100 genera (Khassanov, 2015). Of these, 42 and 19 strictly endemic genera are sub-endemic in Central Asia (Khassanov et al., 2024). To date, six volumes of the 'Flora of Uzbekistan' have been published, and following modern nomenclature rules, a list of 20 families, 184 genera, and 820 species and subspecies has been compiled (Sennikov, 2023).

Data were obtained from the International Plant Name Index (<https://www.ipni.org/>) on May 25, 2024. The first author added new taxa to the IPNI database that were published between 1925 and 2023 in a variety of journals, bulletins, monographs, Flora of the URSS, Flora of Uzbekistan (Sennikov, 2022, 2023), botanical materials (Uzbekistan, Kazakhstan), and other sources. The new taxa that were added to the IPNI database in 2023–2024 are listed below.

Based on the results of the office studies, it was established that a number of taxa of the flora of Central Asia published for the first time since 1925 were not included in the IPNI database (Figure). This includes not only new species but also new tribes, new subgenera, sections, series, species, subspecies, varieties, etc. (201 taxa).

Higher infraspecific taxa mainly belong to *Astragalus* (13 sections), *Andrachne* (10 series), *Cousinia* (11 sections), *Cicerbita* (2 subgenera, 3 sections), *Goniolimon* (2 sections, 2 subsections), *Nepeta* (5 sections), *Salvia* (2 subgenera, 3 sections, 1 subsections), *Helichrysum* (10 series). It is not known where the types of some newly published species are preserved. For example, *Cucumis orientalis* Kudr. (1941), *Ferula gangensis* Korovin (1947), and *F. wolffii* Korovin (1947). No specimens of these species were found in the TASH collection.

The work was carried out within the framework of the state grant "Taxonomic revision of polymorphic plant families of the flora of Uzbekistan" (FZ-20200929321) and the state program "Grid mapping of the flora of Uzbekistan" for 2021–2025. We wish to thank Kanchi Natarajan Gandhi Senior Nomenclature Registrar and Bibliographer at Harvard University in the Department of Botany in the Harvard University Herbaria & Libraries (HUH and HUL), for his help in adding some new taxa to the IPNI database.



LSID	Name	Citation type	Status
77307001-1	<i>Scutellaria kuramensis</i> M.N. Abdull. & I.I. Maiziev, Doklady Akademii Nauk Respubliki Uzbekistan 10: 45-46 (1994)	New taxon	RELEASED
77307110-1	<i>Schrenkia turkulovii</i> Segizbaev, Doklady Akademii Nauk Respubliki Tajikistan 11-12: 712-714 (2019)	New taxon	RELEASED
77307223-1	<i>Potentilla varzobica</i> Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis], St. Petersburg 212 (2021)	New taxon	RELEASED
77307224-1	<i>Platyaenia schischkini</i> Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis], St. Petersburg 272 (2021)	New taxon	RELEASED
77307225-1	<i>Asperula tashernevae</i> Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis], St. Petersburg 507 (2021)	New taxon	RELEASED
77307226-1	<i>Lophanthus hissaricus</i> Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis], St. Petersburg 516 (2021)	New taxon	RELEASED
77307227-1	<i>Allium kondarinum</i> Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis], St. Petersburg 526 (2021)	New taxon	RELEASED
77307242-1	<i>Platyaenia yoshii</i> (Kitam.) (Kitam.) Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis], St. Petersburg 495 (2021)	New combination	RELEASED

Figure – First author profile in the IPNI database (2024).

Reference

- Christenhusz, M.J.M., Byng, J.W. The number of known plant species in the world and its annual increase // *Phytotaxa*, 2016. 261(3): 201-217.
- Govaerts R., Monro A., Wrankmore E., Krieger J., Hartley H. New registration system for vascular plant names // *Taxon*, 2022. 71(6). P. 1361-1364.
- Khassanov F. O., Tojibaev K. S., Turdiboev O. A. Endemic genera in the flora of Middle Asia // *Problems of Botany of South Siberia and Mongolia. Special issue "Kamelinskie chtenija"*, 2024. Vol. 23, № 1. P. 266-270.
- Khassanov, F.O. *Conspectus Florae Asiae Mediae*, vol. 11. Izdatel'stvo "Fan" AS RUz. Tashkent, 2015. 456 pp. [in Russian].
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- Sennikov A. N. (ed.). *Flora of Uzbekistan*, vol. 5. AS RUz "Fan" Publishers, Tashkent. 2023. 469 pp.
- Sennikov A.N. (ed.) *Flora of Uzbekistan*, vol. 6. Ma'naviyat Publishers, Tashkent. 2023. 209 pp.
- Wan X., Zhang L. B. Global new taxa of vascular plants published in 2021 // *Biodiversity Science*, 2022. 30, 22116. P. 1-8.
- Wan X., Zhang L.B. Global new species of vascular plants published in 2020 // *Biodiversity Science*, 2021. 29(8). 1003-1010.
- Wan X., Zhang L.B. Global new taxa of vascular plants published in 2022 // *Biodiversity Science*, 2023. 31, 23162. P. 1-7.

Checklist of newly introduced taxa for the International Plant Name Index

New species, subspecies, variates

Achillea tianschanica Kupr. & Kulemin, Sistematische Zametki po Materialam Gerbarii Imeni P. N. Krylova pri Tomskom Gosudarstvennom Universitete. Tomsk 123: 6 (2021).

Allium kondarinum Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis]. St. Petersburg 526 (2021).

Artemisia saurensis Kupr., Sistematische Zametki po Materialam Gerbarii Imeni P. N. Krylova pri Tomskom Gosudarstvennom Universitete. Tomsk 117: 13 (2018).

Asperula tschernevae Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis]. St. Petersburg 507 (2021).

Betula turkestanica var. *tamarhutica* Vass. & Dzhang., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 18: 18 (1957).

Cucumis orientalis Kudr., Vegetation of Guzar 142 (1941).

Delphinium tungusense Kurbatsky, Sistematische Zametki po Materialam Gerbarii Imeni P. N. Krylova pri Tomskom Gosudarstvennom Universitete Imeni V. V. Kuybysheva. Tomsk 115: 23 (2017).

Ferula gangensis Korovin, Illiustrirovannyt Monografiia roda Ferula (Tourn.) L. Taschkert 34 (1947).

F. wolffii Korovin, Illiustrirovannyt Monografiia roda Ferula (Tourn.) L. Taschkent 35 (1947).

Hedysarum czatkalense Sultanova, Flora Kirgizskoï SSR: opredelitel' rasteniï Kirgizskoï SSR 2: 36 (1970)

Lagochilus ferganensis Ikramov, Genus Lagochilus of Central Asia (Fl. Centr. Azii) 39 (1976).

Linum heterosepalum subsp. *tianschanicum* Vved., Byulleten' Sredne-Aziatskogo Gosudarstvennogo Universiteta. Tashkent 9: 15 (1925).

Lophanthus hissaricus Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis]. St. Petersburg 516 (2021).

Phlomoides boraldaiica A.L. Ebel, Sistematische Zametki po Materialam Gerbarii Imeni P. N. Krylova pri Tomskom Gosudarstvennom Universitete. Tomsk 119: 28 (2019).

Platyaenia schischkinii Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis]. St. Petersburg 272 (2021).

Potentilla varzobica Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis]. St. Petersburg 212 (2021).

Primula isfarensis Turak. & Gazybaev, Doklady Akademii Nauk Respubliki Uzbekistan 3: 43 (1995).

Ranunculus talassicus Schegol. & A.L. Ebel, Sistematische Zametki po Materialam Gerbarii Imeni P. N. Krylova pri Tomskom Gosudarstvennom Universitete. Tomsk 119: 15 (2019).

Rhaponticoides zaissanica Kupr., Ebel & Khrustaleva, Sistematische Zametki po Materialam Gerbarii Imeni P. N. Krylova pri Tomskom Gosudarstvennom Universitete. Tomsk 121: 26 (2020).

Schrenkia turakulovii Segizbaev, Doklady Akademii Nauk Respubliki Tajikistan 11-12: 712-714 (2019).

Scutellaria kuramensis M.N.Abdull. & I.I.Malzev, Doklady Akademii Nauk Respubliki Uzbekistan 10: 45-46 (1994).

Silene amoena var. *charaensis* N.V.Vlassova, Rast. Mir Aziatsk. Rossii 3(31): 37 (2018).

Silene brahuica subsp. *megacalyx* Kamelin, Botanicheskii Zhurnal. Moscow & Leningrad [St. Petersburg] 58(5): 628 (1973).

Silene trajectorum var. *schischkinii* Popov, Trudy Sredne-Aziatskogo Gosudarstvennogo Universiteta. Serija 8b. Botanika. Acta Universitatis Asiae Mediae. Botanica. Tashkent 3: 99 (1928).

Sofianthe sibirica var. *arenosa* Peschkova ex N.V. Vlassova, Rast. Mir Aziatsk. Rossii 3(31): 40 (2018).

Stellaria fischeriana subsp. *putoranica* N.V. Vlassova, Sistemicheskie Zametki po Materialam Gerbarii Imeni P. N. Krylova pri Tomskom Gosudarstvennom Universitete. Tomsk 117: 5 (2018).

Stellaria fischeriana var. *pubiflora* N.V. Vlassova, Sistemicheskie Zametki po Materialam Gerbarii Imeni P. N. Krylova pri Tomskom Gosudarstvennom Universitete. Tomsk 117: 7 (2018).

Valeriana spectabilis Sumnev., Lekarstv. Valeriana officinalis Aziatsk. chasti SSSR 28 (1941).

V. taigicola Kom. ex Sumnev., Lekarstv. Valeriana officinalis Aziatsk. chasti SSSR 25-26 (1941).

Valerianella tuberculata var. *sublaevis* Lincz., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 23: 740 (1958).

Vicia hybrida var. *linearifolia* Popov, Byulleten' Sredne-Aziatskogo Gosudarstvennogo Universiteta. Tashkent 15: 18 (1927).

Vicia narbonensis var. *ecirrhusa* Popov, Byulleten' Sredne-Aziatskogo Gosudarstvennogo Universiteta. Tashkent 15: 19 (1927).

New taxa (tribe, subfamily, subgenus, series, section, subsect)

Acantholimon sect. *Gontscharovia* Lincz., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 18: 744 (1952).

Allium subsect. *Brevistylae* Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis]. St. Petersburg 526 (2021).

Andrachne ser. *Asperae* Pojark., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 257 (1960).

A. ser. *Brittonianae* Pojark., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 257 (1960).

A. ser. *Filiformes* Pojark., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 269 (1960).

A. ser. *Fruticulosae* Pojark., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 264 (1960).

A. ser. *Gruvelianae* Pojark., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 256 (1960).

A. ser. *Microphyllae* Pojark., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 258 (1960).

A. ser. *Pusillae* Pojark., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 267 (1960).

A. ser. *Rotundifoliae* Pojark., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 262 (1960).

A. ser. *Stenophyllae* Pojark., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 266 (1960).

A. ser. *Thelephioideae* Pojark., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 259 (1960).

Anthemis sect. *Rumata* Fed., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 26: 865 (1961).

Arnebia sect. *Basituberculatae* Ovchinnikova, Flora of Uzbekistan 4: 60 (2022).

Asperula sect. *Monocephala* Pobed., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 23: 692 (1958).

Asperula sect. *Trichocarpae* Pobed., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 23: 694 (1958).

Astragalus corydalinus subsp. *prostrata* Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis]. St. Petersburg 239 (2021).

A. pauper subsp. *flavescens* Kamelin, Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis]. St. Petersburg 524 (2021).

Astragalus sect. *Aureophora* Kamelin ex F.O. Khass. & Esankulov, Stapfia; Publikation der Botanischen Arbeitsgemeinschaft am O. Ö. Landesmuseum, Linz. 105: 60 (2016).

A. sect. Falcigera Kamelin ex F.O. Khass. & Esankulov, Stapfia; Publikation der Botanischen Arbeitsgemeinschaft am O. Ö. Landesmuseum, Linz. 105: 62 (2016).

A. sect. Holargyreus Vved., Botaniceskie Materialy Gerbariya Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 16: 14 (1961).

A. sect. Leptopi Kamelin ex F.O. Khass. & Esankulov, Stapfia; Publikation der Botanischen Arbeitsgemeinschaft am O. Ö. Landesmuseum, Linz. 105: 62 (2016).

A. sect. Mucidifolia Kamelin ex F.O. Khass. & Esankulov, Stapfia; Publikation der Botanischen Arbeitsgemeinschaft am O. Ö. Landesmuseum, Linz. 105: 60 (2016).

A. sect. Onobrychiopsis Golosk., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Botaniki Akademii Nauk Kazakhskoi S S R. Alma Ata 4: 48 (1966).

A. sect. Paracraccina Kamelin ex F.O. Khass. & Esankulov, Stapfia; Publikation der Botanischen Arbeitsgemeinschaft am O. Ö. Landesmuseum, Linz. 105: 62 (2016).

A. sect. Paraphaca Kamelin ex F.O. Khass. & Esankulov, Stapfia; Publikation der Botanischen Arbeitsgemeinschaft am O. Ö. Landesmuseum, Linz. 105: 60 (2016).

A. sect. Paraxiphidium Kamelin ex F.O. Khass. & Esankulov, Stapfia; Publikation der Botanischen Arbeitsgemeinschaft am O. Ö. Landesmuseum, Linz. 105: 60 (2016).

A. sect. Pseudohippocrepis Kamelin ex F.O. Khass. & Esankulov, Stapfia; Publikation der Botanischen Arbeitsgemeinschaft am O. Ö. Landesmuseum, Linz. 105: 62 (2016).

A. sect. Reticulata Kamelin ex F.O. Khass. & Esankulov, Stapfia; Publikation der Botanischen Arbeitsgemeinschaft am O. Ö. Landesmuseum, Linz. Linz 105: 62 (2016).

A. sect. Scabriseta Kamelin ex F.O. Khass. & Esankulov, Stapfia; Publikation der Botanischen Arbeitsgemeinschaft am O. Ö. Landesmuseum, Linz. 105: 60 (2016).

A. sect. Stenophysa Vved. & Zakirov, Botaniceskie Materialy Gerbariya Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 13: 21 (1952).

Campanula ser. *Lehmannianae* Kamelin & Fed., Flora Ushchel'ya Reki Varzob [Flora of the Varzob River Basin (Hissar Range, Tajikistan) and its analysis]. St. Petersburg 497 (2021).

C. subsect. Melanocalyx Fed., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum) 24: 467 (1957).

C. subsect. Odontocalyx Fed., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 24: 468 (1957).

Cancrinia sect. *Matricarioides* Tzvelev, Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 26: 876 (1961)

C. sect. Polychrysum Tzvelev, Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 26: 876 (1961).

- C. sect. Tanacetopsis* Tzvelev, Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 26: 876 (1961).
- Cicerbita* sect. *Multicostaria* Kirp., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 29: 726 (1964).
- C. sect. Platyachena* Kirp., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 29: 726 (1964).
- C. sect. Prenanthopsis* Kirp., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 29: 726 (1964).
- C. subgen. Platyachaena* Kirp., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 29: 726 (1964).
- C. subgen. Poicilachena* Kirp., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 29: 726 (1964).
- Cousinia* sect. *Abolinia* Tscherneva, Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 81 (1962).
- C. sect. Badghysia* Tschern., Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 77 (1962).
- C. sect. Chrysanth* Tscherneva, Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 79 (1962).
- C. sect. Chrysoptera* Tscherneva, Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 78 (1962).
- C. sect. Eriocousinia* Tscherneva, Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 82 (1961).
- C. sect. Glaphyrocephalae* Tscherneva, Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 87 (1962).
- C. sect. Hoplophylla* Tscherneva, Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 79 (1961).
- C. sect. Kopetdagia* Tscherneva, Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 83 (1962).
- C. sect. Leucocaulon* Tscherneva, Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 77 (1962).
- C. sect. Lopholepis* Tscherneva, Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 82 (1962).
- C. sect. Pseudactinia* Tscherneva, Botaniceskie Materialy Gerbarija Instituta Botaniki Akademii Nauk Uzbekskoi SSR [Notulae systematicae ex herbario instituti botanici academiae scientiarum Uzbekistanicae] 17: 79 (1962).
- Dionysia* sect. *Bryonanthe* Smoljan., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 18: 728 (1952).
- Dionysia* sect. *Dionysiastrum* Smoljan., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 18: 728 (1952).
- Euphorbia* subsect. *Lutescentes* Prokh., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 14: 735 (1949).

Galium sect. *Cymogalia* Pobed., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 23: 712 (1958).

Galium sect. *Depauperata* Pobed., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 23: 710 (1958).

Goniolimon sect. *Tricuspidaria* Lincz., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 18: 745 (1952).

G. sect. *Unicuspidaria* Lincz., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 18: 745 (1952).

G. subsect. *Platycalyx* Lincz., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 18: 746 (1952).

G. subsect. *Stenocalyx* Lincz., Flora URSS (Flora Unionis Rerumpublicarum Sovieticarum Socialisticarum). 18: 746 (1952).

Halocharis sect. *Acanthocephs* Iljin, Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 11: 80 (1949).

H. sect. *Cephalopus* Iljin, Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 11: 78 (1949).

Hedysarum subsect. *Ampulla* Vassilcz., Novosti Sistemiki Vysshikh Rastenii. Moscow, Leningrad 6: 160 (1970).

Helichrysum ser. *Araxina* Kirp., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 330 (1960).

H. ser. *Arenaria* Kirp., Botanicheskie Materialy Gerbariya Botanicheskogo Instituta Imeni V. L. Komarova Akademii Nauk S S S R. Leningrad. Leningrad [St. Petersburg] 20: 319 (1960).

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