

## Synopsis of the order Juncales (Liliopsida) in Ukraine

I. M. Danylyk\*, I. G. Olshanskyi\*\*

\*Institute of Ecology of the Carpathians, Lviv, Ukraine

\*\*M. G. Kholodny Institute of Botany, Kyiv, Ukraine

### Article info

Received 01.10.2021

Received in revised form

25.10.2021

Accepted 27.10.2021

Institute of Ecology  
of the Carpathians,  
Kozelnytska st., 4,  
Lviv, 79026, Ukraine.  
Tel.: +38-032-270-74-30.  
E-mail: idanylyk@ukr.net

M. G. Kholodny Institute  
of Botany, Tereshchenkivska  
st., 2, Kyiv, 01024, Ukraine.  
Tel.: +38-044-235-03-74.  
E-mail:  
olshanskyi1982@ukr.net

Danylyk, I. M., & Olshanskyi, I. G. (2021). Synopsis of the order Juncales (Liliopsida) in Ukraine. *Biosystems Diversity*, 29(4), 354–366. doi:10.15421/012145

Juncales is an order of vascular plants with cosmopolitan distribution. Two families of Juncales are present in flora of Ukraine: Juncaceae and Cyperaceae. Through 1985–2021, we conducted comprehensive revision of Juncales in Ukraine. The aim of this research was to compile a checklist of Juncales species in the flora of Ukraine. Our research is based on herbarium materials, literature data and field trips. We collected data in many herbariums of Ukraine and other countries. Our understanding of the taxa was further supplemented by field observations in mountainous (Carpathians and Crimea) and plain territories of Ukraine. Also, we collected information about Juncales species from numerous literature sources. For each taxon, we provided nomenclatural citation and basic synonyms. According to our data, the order Juncales in the flora of Ukraine contains 188 species, belonging to 19 genera. Lists of Juncales species can be found in many thorough publications. For a long time, Checklist of Mosyakin & Fedorochuk (1999) was the main list in the nomenclature of vascular plants in Ukraine. To date, many nomenclature and taxonomic changes have been accumulated. For example, we accept genera *Schoenoplectiella* and *Oreojuncus* here. Researchers have found many new species for the territory of Ukraine. This information can be found in numerous publications, but is fragmented. Therefore, we have compiled an updated summary of the Juncales species. In Ukrainian territory, Juncales species are considered both widespread and rare. We refer to the rarest species *Carex alba*, *C. bicolor*, *C. bohemica*, *C. brunneascens*, *C. buxbaumii*, *C. depauperata*, *C. filigerosa*, *C. globularis*, *C. heleonastes*, *C. lachenali*, *C. loliacea*, *C. obtusata*, *C. pediformis*, *C. rupestris*, *C. strigosa*, *Cyperus longus*, *Eleocharis multicaulis*, *E. oxylepis*, *Fimbristylis bisumbellata*, *Juncus acutiflorus*, *J. soranthus*, *J. subnodulosus*, *Isolepis setacea*, *Luzula spicata*, *Schoenoplectus pungens*, *Trichophorum alpinum*, *T. cespitosum*. Also, the following species are rare: *Bolboschoenus yagara*, *Carex chordorrhiza*, *C. davalliana*, *C. dioica*, *C. hostiana*, *C. pauciflora*, *C. secalina*, *C. vaginata*, *Cladium mariscus*, *Eleocharis carniolica*, *Juncus capitatus*, *J. castaneus*, *J. littoralis*, *J. sphaerocarpus*, *J. thomasi*, *J. triglumis*, *Luzula alpinopilosa*, *L. sudetica*, *Schoenoplectiella mucronata*, *Schoenus ferrugineus*.

**Keywords:** Cyperaceae; Juncaceae; taxonomic diversity; nomenclature; accepted names; synonyms.

### Introduction

In the system of flowering plants (particularly in the class Liliopsida Batsch), the subclass Commelinidae Takht. is marked by a high degree of specialization. Commelinidae is usually divided into several orders (Takhtajan, 2009; Reveal, 2012; Mosyakin, 2013), including the order Juncales Bercht. & J. Presl. Some authors considered Juncales within the order Poales Small s.l. (APG IV, 2016). However, we consider it appropriate to recognize Juncales as a separate order. The order Juncales is monophyletic and is closely related to Poales. According to Plunkett et al. (1995), Bremer (2002), Jones et al. (2007), Juncales has originated in West Gondwana (South America, and Africa), while Poales has originated in East Gondwana (Australia, Antarctica, India, and Madagascar).

Juncales are perennial, often rhizomatous herbs or annuals, rarely shrubs (*Prionium* E. Mey.). Stems are round or trigonous, mostly solid. The plants contain no raphides, but silica bodies are present frequently. Leaves are alternate, mostly linear, parallel-veined, rarely reduced or absent; stomata paracytic or sometimes tetracytic. Flowers are small and inconspicuous, solitary or in inflorescences, bisexual or unisexual (monoecious or rarely dioecious). The perianth usually has six segments in two cycles, free, sometimes replaced by bristles or numerous hairs or with no hairs. The number of stamens is 3 or 6. Fruits are nuts, drupe-like, or capsules. Seeds are small. Chromosomes often have diffuse centromere (Takhtajan, 2009; Záveská Drábková, 2013).

Juncales have a cosmopolitan distribution. Juncales species typically grow in damp or cold habitats (Takhtajan, 2009). The order Juncales

comprises three families: Thurniaceae Engl., Juncaceae Juss., and Cyperaceae Juss. (Takhtajan, 2009). Some authors rightly recognize Prioniaceae S. L. Munro & H. P. Linder as a separate family (Munro et al., 2001). Prioniaceae and Thurniaceae are small families, each containing only one small genus (*Thurnia* Hook. f. and *Prionium* E. Mey.). Thurnia is common in Guyana and the Amazon basin (South America), and *Prionium* in the Cape Province (South Africa). Juncaceae and Cyperaceae are cosmopolitan. Also, the latter two families are represented in the flora of Ukraine, both with a great taxonomic diversity (Olshanskyi & Fedorochuk, 2011, 2012; Danylyk, 2012).

Lists of Juncales species can be found in many detailed publications. For example, they are in Floras, Checklists, and so on. For a long time, Checklist (Mosyakin & Fedorochuk, 1999) was the main list in the nomenclature of vascular plants in Ukraine. To date, a large amount of nomenclature has accumulated and many taxonomic changes have been made. Checklists are constantly updated for many groups of plants and for different areas. For example, such lists have recently been published for species of native Italian flora (Bartolucci et al., 2018), ferns and lycophytes of Honduras (Reyes-Chávez et al., 2021), *Begonia* (Begoniaceae) of Laos (Ding et al., 2020), *Myoxanthus* (Orchidaceae) (Rojas-Alvarado et al., 2021), etc. In Central and Eastern Europe, Checklists are relatively outdated and need to be updated.

In the botanical taxonomic literature, most Juncales taxa (especially species) are listed under different names (synonyms). We consider it necessary to unify the names of the taxa in accordance with the modern rules of priority. The aim of this research was to compile a checklist of Juncales species in the flora of Ukraine.

## Material and methods

During 1985–2021, we conducted comprehensive study of Juncales in Ukraine ( $52^{\circ}22'46''$  and  $44^{\circ}23'11''$  parallels of north latitude,  $22^{\circ}08'13''$  and  $40^{\circ}13'40''$  meridians of east longitude, area of 603,700 km $^2$ ). Therefore, we examined a large number of herbarium specimens in public herbaria relevant for this research (BP, CHER, CWU, DNZ, DSU, KHER, KMF, KRA, KRAM, KW, KWHU, LE, LNAU, LW, LWKS, LWS, MELIT, MSK, MSUD, MW, PW, RIVUN, SIMF, UU, YALT). Acronyms are according to Thiers' Index Herbariorum (<http://sweetgum.nybg.org/science/ih>). We also consulted with some supplementary private herbaria. Our understanding of the taxa was further supplemented by field observations in mountainous (Carpathians and Crimea) and plain territories of Ukraine. Additional information on species was obtained from numerous literature sources. For each taxon we provided the nomenclatural citation and basic synonyms.

The accepted taxonomical names of the order Juncales of Ukraine are based upon the application of comprehensive approach, using modern nomenclatural and taxonomical data on the interpretation of taxa by several authors (the family Cyperaceae: *Bolboschoenus* (Tatanov, 2004; Hroudova et al., 2007), *Carex* (Egorova, 1999; Koopman, 2015; Global Carex Group, 2015, 2016), *Cyperus* (Laridon et al., 2011–2014; Verloove, 2014), *Eleocharis* (Gonzalez-Elizondo & Peterson, 1997; Egorova, 2007), *Eriophorum* (Novoselova, 2001, 2003), *Isolepis* (Muasya et al., 2000), *Schoenoplectiella* (Hayasaka, 2012; Shiels et al., 2014; Verloove et al., 2016), *Schoenoplectus* (Egorova, 2005), *Scirpus* (Muasya et al., 2001; Egorova, 2004); the family Juncaceae: *Juncus* (Kirschner et al., 2002b, 2002c), *Luzula* (Kirschner et al., 2002a); *Oreojuncus* (Záveská Drábková & Kirschner, 2013)).

Priority names of taxa and nomenclature combinations are agreed with World Checklist of Selected Plant Families, facilitated by the Royal Botanic Gardens, Kew (<http://wcsp.science.kew.org>).

## Results

Below are the accepted names taxa of the order Juncales of the flora of Ukraine, and for the species are the most commonly used synonyms in the Ukrainian scientific literature.

### Family Cyperaceae Juss.

*Blysmus* Panz. ex Schult., Mant. 2: 41 (1824), nom. cons.

*Blysmus compressus* (L.) Panz. ex Link, Hort. Berol. 1: 278 (1827).

*Schoenus compressus* L., Sp. Pl. 1: 43 (1753).

*Scirpus planifolius* Grimm, Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 3(App.): 259 (1767).

*Scirpus caricis* Retz., Fl. Scand. Prod.: 11 (1779), nom. illeg.

*Scirpus cariciformis* Vest, Man. Bot.: 287 (1805).

*Scirpus compressus* (L.) Pers., Syn. Pl. 1: 66 (1805), nom. illeg.

*Blysmus tenuis* Gilli, Feddes Repert. Spec. Nov. Regni Veg. 46: 48 (1939).

*Scirpus tenuis* (Gilli) Parsa, Fl. Iran 5: 435 (1951).

*Bolboschoenus* (Asch.) Palla, in W. D. J. Koch,  
Syn. Deut. Schweiz. Fl., ed. 3: 2531 (1905)

*Bolboschoenus glaucus* (Lam.) S. G. Sm., Novon, 5: 101 (1995).

*Scirpus glaucus* Lam., Tabl. Encycl. 1: 142 (1791).

*Scirpus macrostachys* Willd., Enum. Pl.: 78 (1809).

*Scirpus maritimus* L. var. *glaucus* (Lam.) Nees R. Wight & G. A. W. Arnott, Contr. Bot. India: 111 (1834).

*Scirpus maritimus* L. var. *macrostachys* Vis., Fl. Dalmat. 1: 109 (1842), nom. illeg.

*Bolboschoenus maritimus* (L.) Palla var. *macrostachys* (Willd.) T. V. Egorova, Fl. Severo-Vostoka Evropeiskoi Chasti SSSR 2: 94 (1976).

*Bolboschoenus glaucus* (Lam.) S. G. Sm. var. *macrostachys* Tatanov, Novosti Sist. Vyssh. Rast. 39: 69 (2007).

*Bolboschoenus laticarpus* Marhold, Hroudová, Zákravský & Ducháček, Phyton (Horn), 44: 7 (2004).

*Bolboschoenus maritimus* (L.) Palla in W. D. J. Koch, Syn. Deut. Schweiz. Fl., ed. 3: 2532 (1905).

*Scirpus maritimus* L., Sp. Pl. 1: 51 (1753).

*Schoenoplectus maritimus* (L.) Lye, Blyttia 29: 145 (1971).

*Scirpus compactus* Hoffm., Deutsch. Fl. Bot. Taschenb. 3: t. 25 (1800).

*Bolboschoenus maritimus* (L.) Palla var. *compactus* (Hoffm.) T. V. Egorova, Fl. Severo-Vostoka Evropeiskoi Chasti SSSR 2: 18 (1976).

*Bolboschoenus planiculmis* (F. Schmidt) T. V. Egorova, Trudy Bot. Inst. Akad. Nauk S.S.R., Ser. 1, Fl. Sist. Vyssh. Rast. 3: 20 (1967).

*Scirpus planiculmis* F. Schmidt, Reis. Amur-Land., Bot.: 190 (1868).

*Scirpus koshevnikowii* Litv., Bull. Soc. Nat. Moscou 58(2): 220 (1882).

*Scirpus koshevnikowii* Litv., Wild Pl. Tombov Gov.: 142 (1888).

*Bolboschoenus koshevnikowii* (Litv.) A. E. Kozhev., Sosud. Rast. Sovet. Dal'nego Vostoka 3: 189 (1988).

*Bolboschoenus biconcavus* Ohwi, Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, Biol. 18(1): 109 (1944).

*Bolboschoenus agaroides* (Ohwi) Y. C. Yang & M. Zhan, Acta Biol. Plateau Sin. 7: 14 (1987 publ. 1988).

*Bolboschoenus maritimus* (L.) Palla var. *desoulavii* Drobov, Trudy Bot. Muz. Akad. Nauk 11: 91 (1913).

*Scirpus agaroides* Ohwi, Mem. Coll. Sci. Kyoto Imp. Univ., Ser. B., Biol. 18(1): 110 (1944).

*Scirpus fluviatilis* (Torr.) A. Gray var. *agaroides* (Ohwi) T. Koyama, J. Fac. Sci. Univ. Tokyo, Sect. 3, Bot. 7: 334 (1958).

*Bolboschoenus fluviatilis* (Torr.) Soják subsp. *agaroides* (Ohwi) T. Koyama, Acta Phytotax. Geobot. (Kyoto) 31: 140 (1980).

*Bolboschoenus agaroides* (Ohwi) A. E. Kozhev., Sosud. Rast. Sovet. Dal'nego Vostoka 3: 187 (1988), comb. superfl.

*Bolboschoenus desoulavii* (Drobov) A. E. Kozhev., Sosud. Rast. Sovet. Dal'nego Vostoka 3: 188 (1988).

*Carex* L., Sp. Pl.: 972 (1753).

*Carex acuta* L., Sp. Pl. 2: 978 (1753), excl. var.  $\alpha$ .

*Carex gracilis* Curtis, Fl. Londin. (Curtis) 4: 282 (1782).

*Carex fuscovaginata* Kük., Bull. Herb. Boissier, sér. 2, 4: 56 (1903).

*Carex graciliformis* V. I. Krecz. in P. F. Majevski, Fl. Centr. Russ., ed. 6: 197 (1933).

*Carex sareptana* V. I. Krecz. in P. F. Majevski, Fl. Centr. Russ., ed. 6: 197 (1933).

*Carex dichroandra* V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 596 (1935).

*Carex acutiformis* Ehrh., Beitr. Naturk. 4: 43 (1789).

*Carex spadicea* Roth, Tent. Fl. Germ. 2(2): 461 (1793), nom. illeg.

*Carex paludososa* Gooden., Trans. Linn. Soc. London 2: 202 (1794).

*Carex olgae* Regel, Izv. Imp. Obshch. Lyubit. Estestv. Moskovsk. Univ. 34(2): 83 (1882).

*Carex alba* Scop. Fl. Carniol., ed. 2, 2: 216 (1772).

*Carex ajanensis* Vorosch., Byull. Glavn. Bot. Sada 60: 35 (1965).

*Carex appropinquata* Schumach., Enum. Pl. 1: 266 (1801).

*Carex paradoxa* Willd., Schriften Ges. Naturf. Freunde Berlin 1794: 30 (1794), nom. illeg.

*Vigrea paradoxa* Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1621 (1830).

*Vigrea appropinquata* (Schumach.) Soják, Čas. Nár. Mus., Odd. Prír. 148: 194 (1979 publ. 1980).

*Carex aterrima* Hoppe, Denkschr. Königl.-Baier. Bot. Ges. Regensburg 1: 3 (1815).

*Carex sudetica* Opiz, Naturalientausch 11: 413 (1826).

*Carex atrata* L. subsp. *aterrima* (Hoppe) Hartm., Sv. Norsk Exc.-Fl. 131 (1846).

*Carex atrata* L. subsp. *aterrima* (Hoppe) Čelak., Prodr. Fl. Böhm.: 67 (1867).

- Carex perfusca* V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 600 (1935).
- Carex atrata* L. subsp. *perfusca* (V. I. Krecz.) T. Koyama, J. Jap. Bot. 30: 312 (1955).
- Carex caucasica* Steven subsp. *perfusca* (V. I. Krecz.) T. Koyama, J. Fac. Sci. Univ. Tokyo, Sect. 3, Bot. 8(4): 198 (1962).
- Carex atherodes* Spreng., Syst. Veg. 3: 828 (1826).
- Carex aristata* R. Br. in J. Franklin, Narr. Journey Polar Sea: 751 (1823), nom. illeg.
- Carex orthostachys* C. A. Mey. in C. F. von Ledebour, Fl. Altaic. 4: 231 (1833).
- Carex siegertiana* R. Uechtr., Verh. Bot. Vereins Prov. Brandenburg 8: 103 (1866).
- Carex aristata* R. Br. subsp. *orthostachys* (C. A. Mey.) Kük. in H. G. A. Engler (ed.), Pflanzenr., IV, 20(38): 753 (1909).
- Carex pergrandis* V. I. Krecz. & Lucznik, Trudy Dal'nevost. Fil. Akad. Nauk S.S.R., Ser. Bot. 2: 894 (1937).
- Carex atherodes* Spreng. var. *maxima* (Kük.) A. E. Kozhevnikov, Sosud. Rast. Sovet. Dal'nego Vostoka 3: 342 (1988).
- Carex atherodes* Spreng. var. *orthostachys* (C. A. Mey.) A. E. Kozhevnikov, Sosud. Rast. Sovet. Dal'nego Vostoka 3: 342 (1988).
- Carex atherodes* Spreng. var. *vix-vaginata* (Kük.) A. E. Kozhevnikov, Sosud. Rast. Sovet. Dal'nego Vostoka 3: 342 (1988).
- Carex atrata* L., Sp. Pl.: 976 (1753).
- Carex bicolor* Bellardi ex All., Fl. Pedem. 2: 267 (1785).
- Carex bohemica* Schreb., Beschr. Gräs. 2: 52 (1772).
- Carex cyperoides* L., Syst. Veg. ed. 13: 703 (1774).
- Vignea bohemica* (Schreb.) Soják, Čas. Nář. Mus. Odd. Prír. 148: 194 (1979 publ. 1980).
- Carex brevicollis* DC. in J. B. A. M. de Lamarck & A. P. de Candolle, Fl. Franç., ed. 3, 5: 295 (1815).
- Carex brizoides* L., Cent. Pl. I: 31 (1755).
- Vignea brizoides* (L.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1611 (1830).
- Carex brunnescens* (Pers.) Poir. in J. B. A. M. de Lamarck, Encycl. Suppl. 3: 286 (1813).
- Carex curta* Gooden. var. *brunnescens* Pers., Syn. Pl. 2: 539 (1807).
- Carex vitilis* Fr., Novit. Fl. Suec. Mont., 3: 137 (1842).
- Carex canescens* L. subsp. *brunnescens* (Pers.) Asch. & Graebn., Syn. Mitteleur. Fl. 2(2): 61 (1902).
- Carex brunnescens* (Pers.) Poir. subsp. *vitilis* (Fr.) Kalela, Ann. Bot. Fenn. 2: 193 (1965).
- Vignea brunnescens* (Pers.) Soják, Čas. Nář. Mus., Odd. Prír. 148: 194 (1979 publ. 1980).
- Carex bukii* Wimm., Jahresber. Schles. Ges. Vaterl. Cult. 29: 83 (1851 publ. 1852).
- Carex buxbaumii* Wahlenb., Kongl. Vetensk. Acad. Nya Handl. 24: 163 (1803).
- Carex polygama* Schkuhr, Beschr. Riedgräser. 1: 84 (1801), nom. illeg.
- Carex polygama* Schkuhr subsp. *subulata* A. Cajand., Ann. Bot. Soc. Zool.-Bot. Fenn. "Vanamo", 5(5): 11 (1935).
- Carex canescens* L., Sp. Pl.: 974 (1753), nom. conserv.
- Carex cinerea* Pollich, Hist. Pl. Palat. 2: 571 (1777).
- Carex curta* Gooden., Trans. Linn. Soc. London, 2: 145 (1794).
- Vignea canescens* (L.) Rchb., Fl. Germ. Excurs.: 58 (1830).
- Carex hylaea* V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 594 (1935).
- Vignea cinerea* (Pollich.) Dostál, Seznam Rostl. Květ. Českoslov.: 330 (1982).
- Carex capillaris* L., Sp. Pl.: 977 (1753).
- Carex chlorostachys* Steven, Mém. Soc. Imp. Naturalistes Moscou 4: 68 (1813).
- Carex capillaris* L. subsp. *chlorostachys* (Steven) Á. Löve & D. Löve & Raymond, Canad. J. Bot. 35: 749 (1957).
- Carex caryophyllaea* Latourr., Chlor. Lugd.: 27 (1785).
- Carex praecox* Jacq., Fl. Austr. 5: 23 (1778), nom. illeg.
- Carex verna* Chaix, Pl. Vapinc.: 8 (1785), nom. illeg.
- Carex scabricuspis* V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 609 (1935).
- Carex rutenica* V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 610 (1935).
- Carex cespitosa* L., Sp. Pl.: 978 (1753).
- Vignea neglecta* Peterm., Fl. Bienitz: 17 (1841).
- Carex cespitosa* L. var. *retorta* Fr., Bot. Not. 1843: 10 (1843).
- Carex neglecta* (Peterm.) Peterm., Flora, 27: 331 (1844), nom. illeg.
- Carex rubra* H. Lévl. & Vaniot, Bull. Acad. Int. Géogr. Bot., 19: 33 (1909).
- Carex inumbrata* V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 218 (1935).
- Carex retorta* (Fr.) V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 598 (1935).
- Carex chordorrhiza* L.f., Suppl.: 414 (1782).
- Vignea chordorrhiza* (L.f.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1608 (1830).
- Carex colchica* J. Gay, Ann. Sci. Nat., Bot., sér. 2, 10: 303 (1838).
- Carex ligerica* J. Gay, Ann. Sci. Nat., Bot., sér. 2, 10: 360 (1838).
- Carex schreberi* Schrank subsp. *ligerica* (J. Gay) Almq. in C. J. Hartman, Handb. Skand. Fl., ed. 11: 475 (1879).
- Carex colchica* J. Gay subsp. *ligerica* (J. Gay) T. V. Egorova, Novosti Sist. Vyssh. Rast. 10: 104 (1973).
- Vignea colchica* (J. Gay) Soják, Čas. Nář. Muz., Odd. Prír. 148: 196 (1979 publ. 1980).
- Vignea ligerica* (J. Gay) Soják, Čas. Nář. Mus., Odd. Prír. 148: 196 (1979 publ. 1980).
- Carex curvata* Knaf, Flora 30: 184 (1847).
- Carex schreberi* Schrank subsp. *curvata* (Knaf) K. Richt., Pl. Eur. 1: 150 (1890).
- Carex praecox* Schreb. subsp. *curvata* (Knaf) Kük. in H. G. A. Engler (ed.), Pflanzenr., IV, 20(38): 131 (1909).
- Vignea curvata* (Knaf) Soják, Cas. Nář. Mus., Odd. Prír. 148: 195 (1979 publ. 1980).
- Vignea praecox* Schreb. subsp. *curvata* (Knaf) Dostál, Folia Mus. Rerum Nat. Bohemiae Occid., Bot. 21: 16 (1984).
- Carex curvula* All., Fl. Pedem. 2: 264 (1785).
- Carex dacica* Heuff., Flora, 18: 247 (1835).
- Carex rigida* Gooden., Trans. Linn. Soc. London 2: 193 (1794), nom. illeg.
- Vignea dacica* (Heuff.) Fuss, Fl. Transsilv.: 681 (1866).
- Carex rigida* Gooden. var. *dacica* (Heuff.) Kük. in H. G. A. Engler (ed.), Pflanzenr., IV, 20(38): 302 (1909).
- Carex fusca* All. subsp. *dacica* (Heuff.) Serb. & Nyár. in T. Savulescu, Fl. Republ. Popul. Român. 11: 787 (1966).
- Carex bigelowii* Torr. ex Schwein. subsp. *nardeticola* Holub, Folia Geobot. Phytotax. 3(2): 190 (1968).
- Carex bigelowii* Torr. ex Schwein. subsp. *rigida* Schultze-Motel, Willdenowia 4(3): 326 (1968).
- Carex nigra* (L.) Reichard subsp. *dacica* (Heuff.) Soó, Acta Bot. Acad. Sci. Hung. 16: 370 (1970 publ. 1971).
- Carex bigelowii* Torr. ex Schwein. subsp. *dacica* (Heuff.) T. V. Egorova, Fl. Evropeiskoi Chasti SSSR 2: 202 (1976).
- Carex davalliana* Sm., Trans. Linn. Soc. London, 5: 266 (1800).
- Carex scabra* Hoppe, Bot. Taschemb. Anfänger Wiss. Apotheker-kunst 11: 242 (1801).
- Vignea davalliana* (Sm.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1605 (1830).
- Carex demissa* Hornem., Fors. Oecon. Plantel., ed. 2: 826 (1806).
- Carex oederi* Retz. subsp. *oedocarpa* Andersson, Pl. Scand. 1: 25 (1849).
- Carex oedocarpa* Andersson, Pl. Scand. 1: 26 (1849), nom. superfl.
- Carex tumidicarpa* Andersson, Bot. Not. 1849: 16 (1849).
- Carex depauperata* Curtis ex Woodw. in W. Withering, Bot. Arr. Brit. Pl. ed. 2, 2: 1049 (1787).
- Carex depressa* Link, J. Bot. (Schrader) 1799(2): 309 (1800).
- Carex depressa* subsp. *transsilvanica* (Schur) K. Richt., Pl. Eur. 1: 158 (1890).
- Carex transsilvanica* Schur, Verh. Mitt. Siebenbürg. Vereins Naturwiss. Hermannstadt 4: 80 (1853).

- Carex depressa* Link var. *transsilvanica* (Schur) Christ, Bull. Soc. Roy. Bot. Belgique 24(2): 14 (1885).
- Carex depressa* Link var. *euxina* Woron. & Marc., Trudy Imp. S.-Peterburgsk. Bot. Sada 24: 564 (1905).
- Carex euxina* (Woron. & Marc.) V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 321 (1935).
- Carex depressa* Link subsp. *transsilvanica* (Schur) T. V. Egorova, Novosti Sist. Vyssh. Rast. 9: 80 (1972).
- Carex diandra* Schrank, Cent. Bot. Anmerk.: 57 (1781).
- Carex teretiuscula* Gooden., Trans. Linn. Soc. London, 2: 163 (1794).
- Vignea teretiuscula* (Gooden.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1621 (1830).
- Vignea diandra* (Schrank) Soják, Čas. Nár. Mus., Odd. Prír. 148: 195 (1979 publ. 1980).
- Carex digitata* L., Sp. Pl.: 975 (1753).
- Carex diluta* M. Bieb., Fl. Taur.-Caucas. 2: 388 (1808).
- Carex axillaris* Link, Enum. Hort. Berol. Alt. 2: 329 (1822), nom. illeg.
- Carex aitchisonii* Boeckeler, Fl. Regensb. 63: 456 (1880).
- Carex chorgosica* Meinh., Trudy Imp. S.-Peterburgsk. Bot. Sada 18: 381 (1901).
- Carex karelinii* Meinh., Trudy Imp. S.-Peterburgsk. Bot. Sada 18, 3: 380 (1901).
- Carex diluta* M. Bieb. var. *chorgosica* (Meinh.) Kük. in H. G. A. Engler (ed.), Pflanzennr., IV, 20(38): 660 (1909).
- Carex diluta* M. Bieb. var. *karelinii* (Meinh.) Kük. in H. G. A. Engler (ed.), Pflanzennr., IV, 20(38): 660 (1909).
- Carex czarwakensis* Litv., Trudy Bot. Muz. Imp. Akad. Nauk 7: 97 (1910).
- Carex dioica* L., Sp. Pl.: 972 (1753).
- Vignea dioica* (L.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1604 (1830).
- Carex dioica* L. var. *isogyna* Fr., Novit. Fl. Suec. Mant. 3: 135 (1843).
- Carex dioica* L. subsp. *isogyna* (Fr.) K. Richt., Pl. Eur. 1: 147 (1890).
- Carex distans* L., Syst. Nat., ed. 10, 2: 1263 (1759).
- Carex disticha* Huds., Fl. Angl.: 347 (1762).
- Carex intermedia* Gooden., Trans. Linn. Soc. London, 2: 154 (1794), nom. illeg.
- Vignea disticha* (Huds.) Peterm., Pflanzenreich: 150 (1838–1841).
- Carex grosheimii* V. I. Krecz., in V. L. Komarov (ed.), Fl. URSS 3: 589 (1935).
- Carex disticha* Huds. subsp. *grosheimii* (V. I. Krecz.) T. V. Egorova, Novosti Sist. Vyssh. Rast. 22: 54 (1985).
- Carex divisa* Huds., Fl. Angl.: 348 (1762).
- Vignea divisa* (Huds.) Rchb., in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1615 (1830).
- Carex coarctata* Boott, Proc. Linn. Soc. London 1: 285 (1846).
- Carex chaetophylla* Steud., Syn. Pl. Glumac. 2: 187 (1855).
- Carex divisa* Huds. var. *chaetophylla* (Steud.) Daveau, Bol. Soc. Brot. 9: 100 (1891 publ. 1892).
- Carex divulsa* Stokes in W. Withering, Bot. Arr. Brit. Pl. ed. 2, 2: 1035 (1787).
- Carex guestphalica* (Rchb.) Boenn. ex O. Lang, Flora 26: 147 (1843).
- Vignea divulsa* (Stokes) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1619 (1830).
- Carex muricata* L. subsp. *divulsa* (Stokes) Celak., Prodri. Fl. Böhmen: 60 (1867).
- Carex lumnitzeri* (Rouy) V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 154 (1935), nom. superfl.
- Carex echinata* Murray, Prodri. Stirp. Gott.: 76 (1770).
- Carex stellulata* Gooden., Trans. Linn. Soc. London, 2: 144 (1794).
- Carex grypos* Schkuhr, Beschr. Riedgräs. 2: 18 (1806).
- Vignea stellulata* (Gooden.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1610 (1830).
- Vignea echinata* (Murray) Fourr., Ann. Soc. Linn. Lyon, n.s., 17: 176 (1869).
- Carex elata* All., Fl. Pedem. 2: 272 (1785).
- Carex elata* subsp. *elata*.
- Carex stricta* Gooden., Trans. Linn. Soc. London, 2: 196 (1794), nom. illeg.
- Carex reticulosa* Peterm., Flora 27: 333 (1844).
- Carex hudsonii* A. Benn. in H. C. Watson, London Cat. Brit. Pl., ed. 9: 41 (1895).
- Carex elata* subsp. *omskiana* (Meinsh.) Jalas, Ann. Bot. Fenn. 1: 49 (1964).
- Carex omskiana* Meinsh., Trudy Imp. S.-Peterburgsk. Bot. Sada 18: 340 (1901).
- Carex elongata* L., Sp. Pl.: 974 (1753).
- Vignea elongata* (L.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1617 (1830).
- Carex ericetorum* Pollich, Hist. Pl. Palat. 2: 580 (1777).
- Carex approximata* All., Fl. Pedem. 2: 267 (1785).
- Carex extensa* Gooden., Trans. Linn. Soc. London, 2: 175 (1794).
- Carex flacca* Schreb., Spicil. Fl. Lips. App.: 669 (1771).
- Carex flacca* subsp. *flacca*
- Carex glauca* Scop., Fl. Carn., ed. 2, 2: 223 (1772).
- Carex flacca* subsp. *erythrostachys* (Hoppe) Holub, Folia Geobot. Phytotax. 23: 413 (1988).
- Carex cuspidata* Host, Icon. Descr. Gram. Austriac. 1: 71 (1801).
- Carex serrulata* Biv., Stirp. Rar. Sicilia. 4: 9 (1818).
- Carex erythrostachys* Hoppe in J. Sturm, Deutschl. Fl. Abbild. 16: 69 (1835).
- Carex glauca* Scop. var. *erythrostachys* (Hoppe) Andersson, Pl. Scand. 1: 31 (1849).
- Carex glauca* Scop. subsp. *serrulata* (Biv.) K. Richt., Pl. Eur. 1: 160 (1890).
- Carex glauca* Scop. var. *cuspidata* (Host) Asch. & Graebn., Syn. Mittleur. Fl. 2(2): 138 (1902), nom. superfl.
- Carex flacca* Schreb. subsp. *cuspidata* (Host) Schinz & R. Keller, Fl. Schweiz, ed. 3, 1: 55 (1914).
- Carex flacca* Schreb. subsp. *serrulata* (Biv.) Greuter, Boissiera, 13: 167 (1967).
- Carex flava* L., Sp. Pl.: 975 (1753).
- Carex lepidocarpa* Tausch var. *laxior* Kük. in H. G. A. Engler (ed.), Pflanzennr., IV, 20(38): 673 (1909).
- Carex flavella* V. I. Krecz. in P. F. Majevski, Fl. Centr. Russ., ed. 6: 185 (1933).
- Carex flava* L. var. *laxior* (Kük.) Gleason, Phytologia 4: 22 (1952).
- Carex fuliginosa* Schkuhr, Beschr. Riedgräs. 1: 91 (1801).
- Carex globularis* L., Sp. Pl.: 976 (1753).
- Carex halleriana* Asso, Syn. Stirp. Aragon. 1: 133 (1779).
- Carex alpestris* All., Fl. Pedem. 2: 270 (1785).
- Carex gynobasis* Chaix, Pl. Vapinc.: 8 (1785).
- Carex hartmaniorum* A. Cajander, Ann. Bot. Soc. Zool.-Bot. Fenn. "Vanamo", 5(5): 23 (1935).
- Carex buxbaumii* Wahlenb. var. *australis* Andersson, Pl. Scand. 1: 39 (1849).
- Carex buxbaumii* Wahlenb. var. *macrostachya* Hartm., Handb. Scand. Fl. ed. 5: 268 (1849).
- Carex emasculata* V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 604 (1935).
- Carex heleonastes* Ehrh. ex L.f., Suppl. Pl.: 414 (1782).
- Vignea heleonastes* (Ehrh. ex L.f.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1609 (1830).
- Carex hirta* L., Sp. Pl.: 975 (1753).
- Carex hordeistichos* Vill., Prosp. Hist. Pl. Dauphiné: 18 (1779).
- Carex hostiana* DC., Cat. Pl. Horti Monsp.: 88 (1813).
- Carex fulva* Host, Icon. Descr. Gram. Austriac. 4: 53 (1809), nom. illeg.
- Carex hornschuchiana* Hoppe, Flora (Regensb.) 7: 595 (1824).
- Carex fulvescens* Mack., Bull. Torrey Bot. Club, 37: 239 (1910).
- Carex humilis* Leyss., Fl. Halens.: 175 (1761).
- Carex buschiorum* V. I. Krecz. ex Kolak., Trudy Inst. Abkhaz. Kult. 13: 218 (1938).
- Carex lachenalii* Schkuhr, Beschr. Riedgräs. 1: 51 (1801), nom. cons.
- Carex tripartita* All., Fl. Pedem. 2: 265 (1785), nom. rej.
- Carex lagopina* Wahlenb., Kongl. Vetensk. Acad. Nya Handl., 24: 145 (1803).

- Vignea tripartita* (All.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1609 (1830).
- Carex lasiocarpa* Ehrh., Hannover. Magaz. 22: 132 (1784).
- Carex filiformis* Gooden., Trans. Linn. Soc. London, 2: 172 (1794).
- Carex leersii* F. W. Schultz, Flora 53: 459 (1870), nom. cons.
- Carex cuprina* (Sándor ex Heuff) Nendtv. ex A. Kern., Verh. K. K. Zool.-Bot. Ges. Wien 13: 566 (1863).
- Carex muricata* L. subsp. *leersii* (F. W. Schultz) Asch. & Graebn., Syn. Mitteleur. Fl. 2(2): 40 (1902).
- Vignea cuprina* (Sándor ex Heuff) Soják, Cas. Nár. Mus., Odd. Prír. 150: 140 (1981 publ. 1982).
- Carex lepidocarpa* Tausch, Flora 17: 179 (1834).
- Carex flava* L. var. *elatior* Schlehd., Fl. Berol. 1: 477 (1823).
- Carex flava* L. subsp. *brachyrrhyncha* Čelak., Prodr. Fl. Bohem. 1: 71 (1867).
- Carex viridula* Michx. subsp. *brachyrrhyncha* (Čelak.) B. Schmid var. *lepidocarpa* (Tausch) B. Schmid, Watsonia, 14: 317 (1983).
- Carex viridula* Michx. subsp. *brachyrrhyncha* (Čelak.) B. Schmid var. *scotica* (E. W. Davies) B. Schmid, Watsonia, 14: 318 (1983).
- Carex leporina* L., Sp. Pl.: 973 (1753), nom. cons.
- Carex ovalis* Gooden., Trans. Linn. Soc. London, 2: 148 (1794).
- Carex argyroglochin* Hornem., Fors. Oecon. Plantel., ed. 3, 1: 927 (1821).
- Vignea argyroglochin* (Hornem.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1612 (1830).
- Vignea leporina* (L.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1613 (1830).
- Carex leporina* L. var. *argyroglochin* (Hornem.) W. D. J. Koch, Syn. Fl. Germ. Helv.: 753 (1837).
- Vignea ovalis* (Gooden.) Soják, Čas. Nár. Mus., Odd. Prír. 148: 196 (1979 publ. 1980).
- Carex limosa* L., Sp. Pl.: 977 (1753).
- Carex fuscocuprea* (Kük.) V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 599 (1935).
- Carex liparocarpos* Gaudin, Étrennes Fl.: 153 (1804).
- Carex liparocarpos* subsp. *liparocarpos*
- *Carex nitida* Host, Icon. Descr. Gram. Austriac. 1: 53, t. 71 (1801).
  - *Carex liparocarpos* subsp. *bordzilowskii* (V. I. Krecz.) T. V. Egorova, Novosti Sist. Vyssh. Rast. 9: 84 (1972).
  - *Carex schkuhrii* Willd., Sp. Pl. ed. 4, 4: 264 (1805).
  - *Carex bordzilowskii* V. I. Krecz. in V. L. Komarov (ed.), Fl. URSS 3: 615 (1935).
- Carex loliacea* L. Sp. Pl.: 974 (1753).
- Carex quaternaria* Spreng., Syst. Veg. 3: 809 (1826).
- Vignea loliacea* (L.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1610 (1830).
- Carex sibirica* Willd. ex Kunth, Enum. Pl. 2: 406 (1837).
- Carex melanostachya* M. Bieb. ex Willd., Sp. Pl. 4, 4: 299 (1805).
- Carex mutans* Host, Icon. Descr. Gram. Austriac. 1: 61 (1801), nom. illeg.
- Carex sulcata* Schur, Verh. Mitt. Siebenbürg. Vereins Naturwiss. Hermannstadt 4: 80 (1853).
- Carex ledebourii* Boiss. & Buhse, Nouv. Mém. Soc. Imp. Naturalistes Moscou 12: 222 (1860).
- Carex ripariiformis* Litv., Trudy Bot. Muz. Imp. Akad. Nauk 7: 96 (1910).
- Carex michelii* Host, Syn. Pl. Austr.: 507 (1797).
- Carex montana* L., Sp. Pl.: 975 (1753).
- Carex muricata* L., Sp. Pl.: 974 (1753).
- Carex muricata* subsp. *muricata*
- *Vignea muricata* (L.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1611 (1830).
  - *Carex muricata* subsp. *ashokae* A. M. Molina, Acedo & Llamas, Syst. Bot. 33: 248 (2008).
- Carex nigra* (L.) Reichard, Fl. Moeno-Francof. 2: 96 (1778).
- Carex nigra* subsp. *nigra*
- *Carex acuta* L. var. *nigra* L., Sp. Pl.: 978 (1753).
  - *Carex fusca* All., Fl. Pedem. 2: 269 (1785).
- Carex goodenoughii* J. Gay, Ann. Sci. Nat. Bot., sér. 2, 11: 191 (1839).
- Carex vulgaris* Fries, Novit. Fl. Suec. Mant. 3: 153 (1842), nom. superfl.
- Carex nigra* subsp. *juncea* (Fr.) Soó, Feddes Report. 83: 148 (1972).
- Carex vulgaris* Fr. subsp. *juncea* Fr., Novit. Fl. Suec. Mant. 3: 154 (1842).
- Carex juncella* (Fr.) Th. Fr., Bot. Not. 1857: 207 (1857).
- Carex juncella* subsp. *wiluica* (Meinsh. ex Maack) T. V. Egorova, Novosti Sist. Vyssh. Rast. 9: 92 (1972).
- Carex nigra* subsp. *wiluica* (Meinsh. ex Maack) Á. Löve & D. Löve, Bot. Not. 128: 505 (1975 publ. 1976).
- Carex obtusata* Lilj., Kuhgl. Vetensk. Akad. Nya Handl. 14: 69 (1793).
- Carex spicata* Shkuhr, Beschr. Abbild. Riedgras. 1: 11 (1801), nom. illeg.
- Carex microcephala* C. A. Mey. in C. F. von Ledebour, Fl. Altaic. 2: 205 (1830).
- Carex oederi* Retz., Fl. Scand. Prodr.: 179 (1779).
- Carex viridula* Michx., Fl. Bor.-Amer. 2: 170 (1803).
- Carex serotina* Mérat, Nouv. Fl. Env. Paris, ed. 2, 2: 54 (1821).
- Carex oederi* Retz. var. *viridula* (Michx.) Kük. in H. G. A. Engler (ed.), Pflanzenr., IV, 20(38): 674 (1909).
- Carex ornithopoda* Willd., Sp. Pl. 4, 4: 255 (1805).
- Carex pedata* L., Sp. Pl. ed. 2: 1384 (1763), nom. rej.
- Carex pedata* All., Fl. Pedem. 2: 168 (1785), nom. illeg.
- Carex digitata* L. var. *ornithopoda* (Willd.) DC. in J. B. A. M. de Lamarck & A. P. de Candolle, Fl. Franç., ed. 3, 5: 291 (1815).
- Carex digitata* L. subsp. *ornithopoda* (Willd.) Bonnier & Layens, Tabl. Syn. Pl. Vasc. France: 334 (1894).
- Carex otrubae* Podp., Spisy Prír. Fak. Masarykovy Univ. 12: 15 (1922).
- Carex nemorosa* Rebent., Prodr. Fl. Neomarch.: 21 (1804), sensu auct.
- Carex vulpina* L. var. *nemorosa* DC. in J. B. A. M. de Lamarck & A. P. de Candolle, Fl. Franç., ed. 3, 5: 288 (1815).
- Carex vulpina* L. var. *subcontigua* Kük. in H. G. A. Engler (ed.), Pflanzenr., IV, 20(38): 170 (1909).
- Vignea otrubae* (Podp.) Soják, Cas. Nár. Mus., Odd. Prír. 148: 196 (1979 publ. 1980).
- Carex cuprina* (Sándor ex Heuff) Nendtv. ex A. Kern. var. *subcontigua* (Kük.) De Langhe & Lambinon, Nouv. Fl. Belg., Grand-Duché Luxemb., Nord France, ed. 3: 922 (1983).
- Carex pairae* F. W. Schultz, Flora 51: 303 (1868).
- Carex loliacea* Schkuhr, Beschr. Riedgras. 1: 22 (1801), nom. illeg.
- Carex muricata* L. subsp. *pairae* (F. W. Schultz) Čelak., Kvet. Okolí Praž.: 43 (1870).
- Carex panicea* L., Sp. Pl.: 977 (1753).
- Carex paniculata* L., Cent. Pl. 1: 32 (1755).
- Carex paniculata* subsp. *paniculata*
- *Vignea paniculata* (L.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1622 (1830).
  - *Carex paniculata* subsp. *szovitsii* (V. I. Krecz.) Ö. Nilsson in P. H. Davis (ed.), Fl. Turkey, 9: 91 (1985).
- Carex pauciflora* Lightf., Fl. Scot. 2: 543 (1777).
- Carex pediformis* C. A. Mey., Mém. Acad. Imp. Sci. St.-Pétersbourg Divers Savans 1: 219 (1831).
- Carex kirkilowii* Turcz., Bull. Soc. Naturalistes Moscou, 28(I): 340 (1855).
- Carex pediformis* C. A. Mey. var. *floribunda* Korsh., Trudy Imp. S.-Peterburgsk. Bot. Sada 12: 409 (1892).
- Carex floribunda* (Korsh.) Meinsh., Trudy Imp. S.-Peterburgsk. Bot. Sada 18: 402 (1901), nom. illeg.
- Carex sutschanensis* Kom., Izv. Imp. Bot. Sada Petra Velikago 16: 155 (1916).
- Carex pediformis* C. A. Mey. f. *leopolitana* Kük. in H. G. A. Engler (ed.), Pflanzenr., IV, 20(38): 491 (1909).
- Carex hankaensis* Kitag., J. Jap. Bot. 17: 236 (1941).
- Carex woroschilovii* A. E. Kozhevnikov, Byull. Moskovsk. Obshch. Isp. Pir., Otd. Biol., n.s., 92(6): 128 (1987).
- Carex pendula* Huds., Fl. Angl.: 352 (1762).

- Carex maxima* Scop., Fl. Carniol., ed. 2, 2: 229 (1772).
- Carex pilosa* Scop., Fl. Carniol., ed. 2, 2: 226 (1772).
- Carex pilulifera* L., Sp. Pl.: 976 (1753).
- Carex praecox* Schreb., Spic. Fl. Lips.: 63 (1771).
- Carex schreberi* Schrank, Baier. Fl., 1: 278 (1789).
- Vignea praecox* (Schreb.) Soják, Cas. Nár. Mus., Odd. Prír. 148: 197 (1979 publ. 1980).
- Carex pseudocyperus* L., Sp. Pl.: 978 (1753).
- Carex remota* L., Fl. Angl.: 24 (1754).
- Vignea remota* (L.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1616 (1830).
- Carex rhizina* Blytt ex Lindblom, Bot. Not. 1839(8): 98 (1839).
- Carex rhizodes* Blytt ex Boott, Ill. Gen. Carex 4: 196 (1867).
- Carex pediformis* C. A. Mey. subsp. *rhizodes* (Blytt ex Boott) H. Lindb., Exsicc. (Pl. Finland.) 1-8: 44 (1907).
- Carex pediformis* C. A. Mey. var. *rhizina* (Blytt ex Lindblom) Kük. in H. G. A. Engler (ed.), Pflanzennr., IV, 20(38): 491 (1909).
- Carex pediformis* C. A. Mey. subsp. *rhizina* (Blytt ex Lindblom) Printz, Veg. Siber.-Mongol. Front: 151 (1921).
- Carex riparia* Curtis, Fl. Londin. 4: t. 60 (1783).
- Carex rostrata* Stokes, in W. Withering, Bot. Arr. Brit. Pl. ed. 2, 2: 1059 (1787), nom. cons.
- Carex inflata* Huds., Fl. Angl.: 354 (1762), nom. rej.
- Carex ampullacea* Gooden., Trans. Linn. Soc. London 2: 207 (1794), nom. superfl.
- Carex rupestris* All., Fl. Pedem. 2: 264 (1785).
- Carex petraea* Wahlenb., Kongl. Vetensk. Acad. Nya Handl. 24: 139 (1803).
- Carex secalina* Willd. ex Wahlenb., Kongl. Vetensk. Acad. Nya Handl. 24: 151 (1803).
- Carex hordeistichos* Vill. var. *microstachys* Schur, Enum. Pl. Trans-silv.: 710 (1866).
- Carex sempervirens* Vill., Hist. Pl. Dauphiné. 2: 214 (1787).
- Carex sempervirens* Vill. var. *pseudotristis* Domin, Rozpr. Česke Akad. Ved, Tr. 2, Vedy Mat. Prír. 41(9): 8 (1931).
- Carex sempervirens* Vill. subsp. *pseudotristis* (Domin) Pawł., Publ. Inst. Bot. Univ. Jagell. Cracov. 1937: 5 (1937).
- Carex spicata* Huds., Fl. Angl.: 349 (1762).
- Carex contigua* Hoppe in J. Sturm, Deutschl. Fl. Abbild. 14: 61 (1833).
- Carex muricata* L. var. *contigua* (Hoppe) Fiori, Nuov. Fl. Italia 1: 185 (1923).
- Vignea spicata* (Huds.) Soják, Cas. Nár. Mus., Odd. Prír. 148: 197 (1979 publ. 1980).
- Carex stenophylla* Wahlenb., Kongl. Vetensk. Acad. Nya Handl. 24: 142 (1803).
- Carex juncifolia* Host, Syn. Pl.: 504 (1797), nom. illeg.
- Carex glomerata* Host, Icon. Descr. Gram. Austriac. 1: 34, t. 44 (1801), nom. illeg.
- Carex hostii* Schkuhr, Beschr. Riedgräs. 2: 7 (1806).
- Vignea stenophylla* (Wahlenb.) Rchb., Fl. Germ. Excurs.: 56 (1830).
- Carex uralensis* C. B. Clarke, Bull. Misc. Inform. Kew, Addit. Ser. 8: 76 (1908).
- Carex strigosa* Huds., Fl. Angl., ed. 2: 411 (1778).
- Carex supina* Willd. ex Wahlenb., Kongl. Vetensk. Acad. Nya Handl. 24: 158 (1803).
- Carex verna* Schkuhr, Beschr. Riedgräs. 1: 89 (1801), nom. illeg.
- Carex conglobata* Kit. ex Willd., Sp. Pl., ed. 4, 4: 281 (1805), nom. illeg.
- Carex sphaerocarpa* Willd., Sp. Pl., ed. 4, 4: 265 (1805), nom. illeg.
- Carex obtusata* Lilj. var. *spicata* Asch., Fl. Brandenburg 1: 779 (1864).
- Carex sylvatica* Huds., Fl. Angl.: 353 (1762).
- Carex patula* Scop., Fl. Carniol., ed. 2, 2: 226 (1772).
- Carex drymeia* L.f., Suppl. Pl.: 414 (1782).
- Carex tomentosa* L., Mant. Pl. 1: 123 (1767).
- Carex subvillosa* M. Bieb., Fl. Taur.-Caucas. 2: 386 (1808).
- Carex umbrosa* Host, Icon. Descr. Gram. Austriac. 1: 52 (1801).
- Carex longifolia* Host, Icon. Descr. Gram. Austriac. 4: 48, t. 85 (1809), nom. illeg.
- Carex praecox* Schreb. var. *longifolia* Wahlenb., Fl. Carpat. Princ.: 300 (1814).
- Carex polyyrriza* Wallr., Sched. Crit.: 492 (1822).
- Carex umbrosa* Host var. *longifolia* (Wahlenb.) Nyman, Consp. Fl. Eur.: 773 (1882).
- Carex vaginata* Tausch, Flora 4: 557 (1821).
- Carex panicea* L. var. *sparsiflora* Wahlenb., Fl. Lapp.: 236 (1812).
- Carex sparsiflora* (Wahlenb.) Steud., Nomencl. Bot., ed. 2, 1: 296 (1840).
- Carex vaginata* Tausch var. *gruetteri* Asch. & Graebn., Syn. Mitteleur. Fl. 2(2): 144 (1902).
- Carex sparsiflora* Wahlenb. var. *gruetteri* (Asch. & Graebn.) Kük. in H. G. A. Engler (ed.), Pflanzennr., IV, 20(38): 513 (1909).
- Carex vesicaria* L., Sp. Pl.: 979 (1753).
- Carex vulpina* L., Sp. Pl.: 973 (1753).
- Carex compacta* Lam., Fl. Franç., ed. 2, 2: 172 (1779), nom. superfl.
- Carex spicata* Thunb., Fl. Env. Paris, ed. 2: 480 (1790), nom. illeg.
- Vignea vulpina* (L.) Rchb. in J. C. Mössler & H. G. L. Reichenbach, Handb. Gewächsk. ed. 2, 3: 1620 (1830).
- Carex vulpina* L. var. *compacta* (Lam.) Velen., Fl. Bulg.: 576 (1891).
- Carex glomerata* Gilib. ex Bubani, Fl. Pyren. 3: 221 (1902), nom. illeg.
- Cladium* P. Browne, Civ. Nat. Hist. Jamaica: 114 (1756).
- Cladium mariscus* (L.) Pohl, Tent. Fl. Bohem. 1: 32 (1809).
- Schoenus mariscus* L., Sp. Pl. 1: 42 (1753).
- Isolepis martii* Roem. & Schult., Syst. Veg., ed. 15, bis 2: 117 (1817).
- Cladium martii* (Roem. & Schult.) K.Richt., Pl. Eur. 1: 144 (1890).
- Cladium mariscus* (L.) Pohl var. *martii* (Roem. & Schult.) Kük., Repert. Spec. Nov. Regni Veg. 31: 185 (1942).
- Cladium grossheimii* Pobed. Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk S.S.R. 12: 13 (1950).
- Cladium mariscus* (L.) Pohl subsp. *martii* (Roem. & Schult.) T. V. Egorova, Fl. Evropeiskoi Chasti SSSR 2: 129 (1976).
- Cyperus* L., Sp. Pl.: 44 (1753).
- Cyperus difformis* L., Cent. Pl. II: 6 (1756).
- \**Cyperus esculentus* L., Sp. Pl.: 45 (1753).
- Cyperus aureus* Ten., Fl. Napol. 3: 45 (1824).
- Pterocyperus esculentus* (L.) Opiz, Seznam: 80 (1852).
- Cyperus aureus* Ten. subsp. *esculentus* (L.) Nyman, Consp. Fl. Eur.: 759 (1882), nom. superfl.
- Cyperus flavescens* L., Sp. Pl.: 46 (1753).
- Pycreus flavescens* (L.) P. Beauv. ex Rchb., Fl. Germ. Excurs.: 72 (1830).
- Cyperus fuscus* L., Sp. Pl.: 46 (1753).
- Cyperus glaber* L., Mant. Pl. 2: 179 (1771).
- Chlorocyperus glaber* (L.) Palla, Alllg. Bot. Z. Syst. 6: 201 (1901).
- Dichostylis glabra* (Palla) Palla, Vestn. Tiflissk. Bot. Sada 21: 24 (1912).
- Pycreus glaber* (L.) Hayek, Repert. Spec. Nov. Regni Veg. Beih. 30(3): 146 (1932).
- Cyperus glomeratus* L., Cent. Pl. II: 5 (1756).
- Chlorocyperus glomeratus* (L.) Palla, Allg. Bot. Z. Syst. 6: 61 (1900).
- Pycreus glomeratus* (L.) Hayek, Repert. Spec. Nov. Regni Veg. Beih. 30(3): 145 (1932).
- Cyperus hamulosus* M. Bieb., Fl. Taur.-Caucas. 1: 35 (1808).
- Scirpus hamulosus* (M. Bieb.) Steven, Mém. Soc. Imp. Naturalistes Moscou 4: 356 (1814).
- Isolepis hamulosa* (M. Bieb.) Kunth, Enum. Pl. 2: 204 (1837).
- Dichostylis hamulosa* (M. Bieb.) Nees, Linnaea 9: 289 (1834).
- Mariscus hamulosus* (M. Bieb.) S. S. Hooper, Kew Bull. 26: 578 (1972).
- Cyperus longus* L., Sp. Pl.: 45 (1753).
- Cyperus longus* subsp. *longus*
- Chlorocyperus longus* (L.) Palla, Allg. Bot. Z. Syst. 6: 61 (1900).
- Cyperus longus* subsp. *badius* (Desf.) Bonnier & Layens, Tabl. Syn. Pl. Vasc. France: 324 (1894).

- Cyperus badius* Desf., Fl. Atlant. 1: 45 (1798).  
*Chlorocyperus badius* (Desf.) Palla, Allg. Bot. Z. Syst 6: 61 (1900).  
*Cyperus michelianus* (L.) Delile, Descr. Egypte, Hist. Nat. 3: 50 (1813).  
*Scirpus michelianus* L., Sp. Pl.: 52 (1753).  
*Cyperus michelianus* (L.) Link, Hort. Berol. 1: 303 (1827), comb. superfl.  
*Dichostylis micheliana* (L.) Nees in R. Wight, Contr. Bot. India: 94 (1834).  
*Dichostylis wolgensis* A. O. Tarassov, Pochvy Rast. Yugo-Vostoka 1970: 93 (1970).  
*Cyperus odoratus* L., Sp. Pl.: 46 (1753).  
*Cyperus ferax* Rich., Actes Soc. Hist. Nat. Paris 1: 106 (1792).  
*Torulinium ferax* (Rich.) Ham., Prodr. Pl. Ind. Occid.: 15 (1825).  
*Torulinium odoratum* (L.) S. S. Hooper, Kew Bull. 26: 579 (1972).  
*Cyperus pannonicus* Jacq., Fl. Austriac. 5: 29 (1778).  
*Pycreus pannonicus* (Jacq.) P. Beauv. ex Rehb., Fl. Germ. Excurs.: 72 (1830).  
*Chlorocyperus pannonicus* (Jacq.) Rikli, Jahrb. Wiss. Bot. 27: 563 (1895).  
*Acorellus pannonicus* (Jacq.) Palla in W. D. J. Koch, Syn. Deut. Schweiz. Fl., ed. 3, 2: 2557 (1905).  
*Juncellus pannonicus* (Jacq.) C. B. Clarke, Bull. Misc. Inform. Kew, Addit. Ser. 8: 3 (1908).  
*Cyperus serotinus* Rottb., Descr. Icon. Rar. Pl.: 31; Prog.: 18 (1773).  
*Juncellus serotinus* (Rottb.) C. B. Clarke in J. D. Hooker, Fl. Brit. India 6: 594 (1893).  
*Chlorocyperus serotinus* (Rottb.) Palla, Allg. Bot. Z. Syst. 6: 221 (1900).  
*Dival-jouvea serotina* (Rottb.) Palla, in W. D. J. Koch, Syn. Deut. Schweiz. Fl., ed. 3, 3: 2556 (1905).  
*Eleocharis* R. Br., Prodr. Fl. Nov. Holland.: 224 (1810).  
*Eleocharis acicularis* (L.) Roem. & Schult., Syst. Veg., ed. 15 bis 2: 154 (1817).  
*Scirpus acicularis* L., Sp. Pl.: 48 (1753).  
*Eleocharis carniolica* W. D. J. Koch, Syn. Fl. Germ. Helv., ed. 2: 853 (1844).  
*Eleocharis mamillata* (H. Lindb.) H. Lindb., Exsicc. (Herb. Norm.) 44: 108 (1902).  
*Eleocharis mamillata* subsp. *mamillata*  
*Scirpus mamillatus* H. Lindb., Acta Soc. Fauna Fl. Fenn. 23(7): 7 (1902).  
*Eleocharis mamillata* subsp. *austriaca* (Hayek) Strandh., Opera Bot. 9(2): 9 (1965).  
*Eleocharis austriaca* Hayek, Sched. Fl. Stiriac. 19–20: 8 (1910).  
*Eleocharis leptostylopodiata* Zinserl. in V. L. Komarov (ed.), Fl. URSS 3: 581 (1935).  
*Eleocharis mitracarpa* Steud., Syn. Pl. Glumac. 2: 77 (1854).  
*Scirpus equisetiformis* Meinh., Trudy Imp. S.-Peterburgsk. Bot. Sada 18: 261 (1901).  
*Eleocharis palustris* (L.) Roem. & Schult. subsp. *austriaca* (Hayek) Podp., Práce Morav. Prír. Společn. 5: 50 (1929).  
*Eleocharis argyrolepidoides* Zinserl. in V. L. Komarov (ed.), Fl. URSS 3: 584 (1935).  
*Eleocharis multicaulis* (Sm.) Desv., Observ. Pl. Angers: 74 (1818).  
*Scirpus multicaulis* Sm., Fl. Brit. 1: 48 (1800).  
*Eleocharis ovata* (Roth) Roem. & Schult., Syst. Veg., ed. 15 bis 2: 152 (1817).  
*Scirpus ovatus* Roth, Tent. Fl. Germ. 2(2): 562 (1793).  
*Scirpus soloniensis* Dubois, Méth. Éprouv., ed. 2: 249 (1833).  
*Eleocharis soloniensis* (Dubois) H. Hara, J. Jap. Bot. 14: 338 (1938).  
*Eleocharis oxylepis* (Meinh.) B. Fedtsch., Rastitel'n. Turkestan: 165 (1915).  
*Scirpus oxylepis* Meinh., Trudy Imp. S.-Peterburgsk. Bot. Sada 18: 263 (1901).  
*Eleocharis palustris* (L.) Roem. & Schult., Syst. Veg., ed. 15 bis 2: 151 (1817).  
*Scirpus palustris* L., Sp. Pl.: 47 (1753).  
*Eleocharis eupalustris* H. Lindb., Acta Soc. Fauna Fl. Fenn. 27(7): 5 (1902).  
*Eleocharis intersita* Zinserl. in V. L. Komarov (ed.), Fl. URSS 3: 581 (1935).  
*Eleocharis crassa* Fisch. & C. A. Mey. ex Zinserl. in V. L. Komarov (ed.), Fl. URSS 3: 582 (1935).  
*Eleocharis levinae* Zoz, Fl. RSS Ukr. 2: 426 (1940).  
*Eleocharis oxytachys* Sakalo, Novosti Sist. Vyssh. Nizsh. Rast. 1976: 50 (1977).  
*Eleocharis parvula* (Roem. & Schult.) Link ex Bluff, Nees & Schauer, Comp. Fl. German., ed. 2, 1: 93 (1836).  
*Scirpus parvulus* Roem. & Schult., Syst. Veg., ed. 15 bis 2: 124 (1817).  
*Eleocharis parvula* (Roem. & Schult.) Link ex Bluff, Nees & Schauer subsp. *oppermanni* Zoz, Trudy Inst. Bot. Kharkiv'sk. Derzhavn. Univ. 1: 46 (1936).  
*Eleocharis quinqueflora* (Hartmann) O. Schwarz, Mitt. Thüring. Bot. Ges. 1: 89 (1849).  
*Scirpus quinqueflorus* Hartmann, Primae Lin. Inst. Bot., ed. 2: 85 (1767).  
*Scirpus pauciflorus* Lightf., Fl. Scot. 2: 1078 (1777).  
*Eleocharis pauciflora* (Lightf.) Link, Hort. Berol. 1: 284 (1827).  
*Eleocharis meridionalis* Zinserl. in V. L. Komarov (ed.), Fl. URSS 3: 580 (1935).  
*Eleocharis czernjajevii* Zoz, Trudy Inst. Bot. Kharkiv'sk. Derzhavn. Univ. 1: 55 (1936).  
*Eleocharis quinqueflora* (Hartmann) O. Schwarz subsp. *meridionalis* (Zinserl.) T. V. Egorova, Novosti Sist. Vyssh. Rast. 18: 102 (1981).  
*Eleocharis uniglumis* (Link) Schult., Mant. 2: 88 (1824).  
*Scirpus uniglumis* Link, Jahrb. Gewächsk. 1(3): 77 (1820).  
*Scirpus klingei* Meinh., Trudy Imp. S.-Peterburgsk. Bot. Sada 18: 262 (1901).  
*Eleocharis klingei* (Meinh.) B. Fedtsch., Rastitel'n. Turkestan: 165 (1915).  
*Eleocharis korshinskyana* Zinserl., Trudy Glavn. Bot. Sada 40: 280 (1929).  
*Eleocharis scythica* Zinserl., Trudy Glavn. Bot. Sada 40: 279 (1929).  
*Eleocharis euniglumis* Zinserl. in V. L. Komarov (ed.), Fl. URSS 3: 584 (1935).  
*Eleocharis multisetosa* Zinserl. in V. L. Komarov (ed.), Fl. URSS 3: 586 (1935).  
*Eleocharis paucidentata* Zinserl. in V. L. Komarov (ed.), Fl. URSS 3: 588 (1935).  
*Eleocharis macrocarpa* Zoz, Trudy Inst. Bot. Kharkiv'sk. Derzhavn. Univ. 1: 55 (1936).  
*Eleocharis zinszerlingii* Zoz, Trudy Inst. Bot. Kharkiv'sk. Derzhavn. Univ. 1: 55 (1936).  
*Eleocharis carinata* Sakalo, Novosti Sist. Vyssh. Nizsh. Rast. 1976: 48 (1977).  
*Eriophorum* L., Sp. Pl. 1: 52 (1753).  
*Eriophorum angustifolium* Honck., Verz. Gew. Teutsch. 1: 153 (1782).  
*Eriophorum polystachion* L., Sp. Pl.: 52 (1753), nom. rej.  
*Eriophorum gracile* W. D. J. Koch in A. W. Roth, Catal. Bot. 2(Add.): 259 (1799).  
*Eriophorum coreanum* Palla, Österr. Bot. Z. 59: 190 (1909).  
*Eriophorum latifolium* Hoppe, Bot. Taschenb. Anfänger Wiss. Apotheke-Kunst 11: 108 (1801).  
*Eriophorum vaginatum* L. Sp. Pl.: 52 (1753).  
*Fimbristylis* Vahl, Enum. Pl. Obs. 2: 285 (1805), nom. cons.  
*Fimbristylis bisumbellata* (Forssk.) Bubani, Dodecanthea: 30 (1850).  
*Scirpus bisumbellatus* Forssk. Fl. Aegypt.-Arab.: 15 (1775).  
*Fimbristylis dichotoma* (L.) Vahl subsp. *bisumbellata* (Forssk.) Lu-  
ceño, Anales Jard. Bot. Madrid 57: 176 (1999).

*Isolepis* R. Br., Prodr. Fl. Nov. Holland.: 221 (1810).

*Isolepis setacea* (L.) R. Br., Prodr. Fl. Nov. Holland.: 222 (1810).

*Scirpus setaceus* L., Sp. Pl.: 49 (1753).

*Mariscus setaceus* (L.) Moench, Methodus: 350 (1794).

*Cyperus setaceus* (L.) Missbach & E. H. L. Krause in J. Sturm, Deutschl. Fl. Abbild., ed. 2, 2: 21 (1900), nom. illeg.

*Schoenoplectus setaceus* (L.) Palla, in W. D. J. Koch, Syn. Deut. Schweiz. Fl., ed. 3: 2538 (1905).

*Rhynchospora* Vahl, Enum. Pl. Obs. 2: 229 (1805), nom. cons.

*Rhynchospora alba* (L.) Vahl, Enum. Pl. Obs. 2: 236 (1805).

*Schoenus albus* L., Sp. Pl.: 44 (1753).

*Schoenoplectiella* Lye, Lidia 6: 20 (2003).

*Schoenoplectiella melanosperma* (C. A. Mey.) Danylyk, Olshanskyi & Zhygalova, Phytotaxa 299(1): 138 (2017).

*Scirpus melanospermus* C. A. Mey., Acad. Imp. Sci. St.-Pétersbourg Divers Savans 1: 199 (1831).

*Scirpus supinus* L. var. *melanospermus* (C. A. Mey.) Schmalh., Fl. Sredn. Yuzhn. Rossii 2: 545 (1897).

*Schoenoplectus melanospermus* (C. A. Mey.) Grossh., Fl. Kavkaza 1: 146 (1928).

*Schoenoplectiella mucronata* (L.) J. Jung & H. K. Choi, J. Pl. Biol. 53(3): 230 (2010).

*Scirpus mucronatus* L., Sp. Pl.: 50 (1753).

*Schoenoplectus mucronatus* (L.) Palla, Bot. Jahrb. Syst. 10: 299 (1888).

*Schoenoplectiella supina* (L.) Lye, Lidia 6: 27 (2003).

*Scirpus supinus* L., Sp. Pl.: 49 (1753).

*Schoenoplectus supinus* (L.) Palla, Bot. Jahrb. Syst. 10: 299 (1888).

*Schoenoplectus* (Rchb.) Palla, Verh. K. K. Zool.-Bot.

Ges. Wien 38 (Sitzungsber.): 49 (1888), nom. cons.

*Schoenoplectus lacustris* (L.) Palla, Bot. Jahrb. Syst. 10: 299 (1888).

*Schoenoplectus lacustris* subsp. *lacustris*

*Scirpus lacustris* L., Sp. Pl.: 48 (1753).

*Schoenoplectus lacustris* subsp. *hippolyti* (V. I. Krecz.) Kukkonen, Ann. Naturhist. Mus. Wien, B 98B(Suppl.): 89 (1996).

*Scirpus hippolyti* V. I. Krecz., Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk S.S.S.R. 7: 28 (1937).

*Schoenoplectus hippolyti* (V. I. Krecz.) V. I. Krecz. ex Grossh., Fl. Kavkaza, ed. 2, 2: 16 (1940).

*Schoenoplectus grossheimii* Pobed., Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk S.S.S.R. 12: 17 (1950).

*Scirpus grossheimii* (Pobed.) Czerep., Sosud. Rast. SSSR: 207 (1981).

*Schoenoplectus litoralis* (Schrad.) Palla, Bot. Jahrb. Syst. 10: 299 (1888).

*Scirpus litoralis* Schrad., Fl. Germ. 1: 142 (1806).

*Schoenoplectus pungens* (Vahl) Palla, Bot. Jahrb. Syst. 10: 299 (1888).

*Scirpus pungens* Vahl, Enum. Pl. Obs. 2: 255 (1805).

*Schoenoplectus tabernaemontani* (C. C. Gmel.) Palla, Bot. Jahrb. Syst. 10: 299 (1888).

*Scirpus tabernaemontani* C. C. Gmel., Fl. Bad. 1: 101 (1805).

*Scirpus lacustris* L. subsp. *tabernaemontani* (C. C. Gmel.) Syme in J. E. Smith, Engl. Bot., ed. 3a, 10: 64 (1870).

*Schoenoplectus lacustris* (L.) Palla subsp. *tabernaemontani* (C. C. Gmel.) Å. Löve & D. Löve, Folia Geobot. Phytotax. 10: 275 (1975).

*Schoenoplectus triquetus* (L.) Palla, Bot. Jahrb. Syst. 10: 299 (1888).

*Scirpus triquetus* L., Mant. Pl. 1: 29 (1767).

*Schoenus* L., Sp. Pl.: 42 (1753).

*Schoenus ferrugineus* L., Sp. Pl.: 43 (1753).

*Schoenus nigricans* L., Sp. Pl.: 43 (1753).

*Scirpoides* Ség., Pl. Veron. 3: 73 (1754).

*Scirpoides holoschoenus* (L.) Soják, Čas. Nár. Mus., Odd. Prír. 140: 127 (1972).

*Scirpus holoschoenus* L., Sp. Pl.: 49 (1753).

*Scirpus romanus* L., Sp. Pl.: 49 (1753).

*Scirpus australis* L., Syst. Veg. ed. 13: 85 (1774).

*Holoschoenus vulgaris* Link, Hort. Berol. 1: 293 (1827).

*Holoschoenus australis* (L.) Rchb., Flora 13: 499 (1830).

*Holoschoenus romanus* (L.) Fritsch, Exkursionsfl. Österreich.: 80 (1897).

*Scirpoides holoschoenus* (L.) Soják subsp. *australis* (L.) Soják, Čas. Nár. Mus., Odd. Prír. 141: 61 (1972).

*Scirpoides romana* (L.) Soják, Čas. Nár. Mus., Odd. Prír. 140: 127 (1972).

*Scirpus* Tourn. ex L., Sp. Pl.: 51 (1753), nom. cons.

*Scirpus radicans* Schkuhr, Ann. Bot. (Usteri) 4: 49 (1793).

*Scirpus sylvaticus* L. var. *radicans* (Schkuhr) Willd., Sp. Pl., ed. 4, 1: 308 (1797).

*Scirpus sylvaticus* L., Sp. Pl.: 51 (1753).

*Trichophorum* Pers., Syn. Pl. 1: 69 (1805).

*Trichophorum cespitosum* (L.) Hartm. Handb. Skand. Fl., ed. 5: 259 (1849).

*Scirpus cespitosus* L., Sp. Pl.: 48 (1753).

*Trichophorum alpinum* (L.) Pers., Syn. Pl. 1: 70 (1805).

*Eriophorum alpinum* L., Sp. Pl.: 53 (1753).

*Eleocharis alpina* (L.) Bluff, Nees & Schauer, Comp. Fl. German. 1(1): 92 (1836).

*Baeothryon alpinum* (L.) T. V. Egorova, Novosti Sist. Vyssh. Rast. 8: 85 (1971).

Family Juncaceae Juss.

*Juncus* L., Sp. Pl.: 325 (1753).

*Juncus acutiflorus* Ehrh. ex Hoffm., Deutschland Flora: 125 (1791).

*Juncus acutiflorus* subsp. *acutiflorus*

*Juncus alpinoarticulatus* Chaix, Pl. Vapinc.: 74 (1785) & Chaix, in Vill., Hist. Pl. Dauphiné (Villars) 1: 378 (1786).

*Juncus alpinus* Vill., Hist. Pl. Dauphiné (Villars) 2: 233 (1787), nom. illeg.

*Juncus alpinoarticulatus* subsp. *alpinoarticulatus*

*Juncus alpinus* f. *carpaticus* Racib. Spraw. Komis. Fizjogr. 22(2): 165 (1888).

*Juncus carpaticus* Simonk., Term. Füz. 10: 184 (1886).

*Juncus carpaticus* f. *minor* Zapáč, Consp. Fl. Galic. 1: 136 (1906).

*Juncus fuscoater* Schreb., in Schweigg. & Koerte, Fl. Erlang. 149 (1811).

*Juncus geniculatus* auct. non Schrank

*Juncus articulatus* L., Sp. Pl.: 327 (1753).

*Juncus articulatus* subsp. *articulatus*

*Juncus adscendens* Host, Icon. Descr. Gram. Austriac. 3: 58 (1805), nom. illeg.

*Juncus geniculatus* Schrank, Baier. Fl. 1: 613 (1789).

*Juncus lampocarpus* Ehrh. ex Hoffm., Deutschl. Fl., ed. 2, 1: 166 (1800).

*Juncus macrocephalus* Viv., Fl. Cors. Prodr.: 5 (1824).

*Juncus articulatus* var. *nigrescens* Lindem., Prodr. Fl. Cherson.: 206 (1872).

*Juncus articulatus* var. *pallescens* Lindem., Prodr. Fl. Cherson.: 206 (1872).

*Juncus lampocarpus* f. *nigrescens* Zapáč, Consp. Fl. Galic. 1: 138 (1906).

*Juncus articulatus* f. *nigrescens* (Zapáč) Sóó, Acta Bot. Acad. Sci. Hung. 16: 366 (1971).

*Juncus atratus* Krock., Fl. Siles. (Krocker) 1: 562 (1787).

- Juncus acutiflorus* Griseb., non Ehrh. ex Hoffm. Spic. Fl. Rumel. 2(5/6): 407 (1846).
- Juncus atratus* f. *fuscescens* Racib., Spraw. Komis. Fizjogr. 22(2): 167 (1888).
- Juncus bufonius* L., Sp. Pl.: 328 (1753).
- Juncus bufonius* var. *dolichophyllus* Zapal., Conspl. Fl. Galic. 1: 129 (1906).
- Juncus erythropodus* V. I. Krecz., Bull. Univ. As. Med. 21: 176 (1935).
- Juncus juzepczukii* V. I. Krecz. & Gontsch., Fl. URSS 3: 625 (1935).
- Juncus bufonius* f. *minutulus* Albert & Jahand., Cat. Pl. Vasc. Var. 501 (1908).
- Juncus minutulus* (Albert & Jahand.) Prain, Index Kew. Suppl. 5: 143 (1921).
- Juncus minutulus* V. I. Krecz. & Gontsch., Fl. URSS 3: 625 (1935), nom. illeg.
- Juncus bufonius* subsp. *minutulus* (V. I. Krecz. & Gontsch.) Soó, Acta Bot. Acad. Sci. Hung. 16: 366 (1971), nom. illeg.
- Juncus bulbosus* L., Sp. Pl.: 327 (1753).
- Juncus supinus* Moench, Enum. Pl. Hass. 1: 167. (1777).
- Juncus uliginosus* Roth, Bot. Mag. (Römer & Usteri) 1(2): tes St. 16 (1787).
- Juncus capitatus* Weigel, Observ. Bot. (Weigel): 28 (1772).
- Juncus ericetorum* Pollich, Hist. Pl. Palat. 1: 351 (1776).
- Juncus gracilis* Roth, Bot. Abh. Beobacht.: 46 (1788).
- Juncus castaneus* Smith, Fl. Brit. 1: 383 (1800).
- Juncus castaneus* subsp. *castaneus*
- Juncus czetii* Schur, Oesterr. Bot. Z. 13: 111 (1863).
- Juncus compressus* Jacq., Enum. Stirp. Vindob.: 60, 235 (1762).
- Juncus conglomeratus* L., Sp. Pl.: 326 (1753).
- Juncus communis* subsp. *conglomeratus* (L.) Čelak., Prodr. Fl. Böh. 1: 80 (1867), nom. inval.
- Juncus leersii* T. Marsson, Fl. Neu-Vorpommern: 451 (1869).
- \**Juncus dichotomus* Elliott, Sketch Bot. S. Carolina [Elliott] 1: 406 (1817).
- Juncus tenuis* var. *dichotomus* (Elliott) Alph. Wood, Class-book Bot. 726 (1861).
- Juncus tenuis* subsp. *dichotomus* (Elliott) Verloove & Lambinon, New J. Bot. 1(1): 40 (2011).
- Juncus dichotomus* var. *platyphyllus* Wiegland, Bull. Torrey Bot. Club 30: 448 (1903).
- Juncus platyphyllus* (Wiegland) Fernald, Rhodora 47: 124 (1945).
- Juncus effusus* L., Sp. Pl.: 326 (1753).
- Juncus effusus* subsp. *effusus*
- Juncus communis* E. Mey., Junci Gen. Monogr. Specim. 20 (1819), nom. illeg.
- Juncus communis* subsp. *effusus* (L.) Čelak., Prodr. Fl. Böh. 1: 80 (1867), nom. inval.
- Juncus filiformis* L., Sp. Pl.: 326 (1753).
- Juncus transsilvanicus* Schur, Verh. Mitth. Siebenbürg. Vereins Naturwiss. Hermannstadt 4: 77 (1853).
- Juncus gerardii* Loisel., in Desv. Journ. Bot. 2: 284 (1809).
- Juncus gerardii* subsp. *gerardii*
- Juncus inflexus* L., Sp. Pl.: 326 (1753).
- Juncus inflexus* subsp. *inflexus*
- Juncus glaucus* Sibth., Fl. Oxon.: 113 (1794), nom. illeg.
- Juncus glaucus* Ehrh., Beitr. Naturk. [Ehrhart] 6: 83 (1791), nom. inval.
- Juncus glaucus* var. *macrocarpus* Zapal., Conspl. Fl. Galic. 1: 133 (1906).
- Juncus paniculatus* Hoppe ex Mert. & W. D. J. Koch, Deutschl. Fl. (Mertens & W. D. J. Koch), ed. 3. 2: 575, in obs. (1826).
- Juncus littoralis* C. A. Mey., Verz. Pfl. Casp. Meer.: 34 (1831).
- Juncus acuto-maritimus* E. Mey., in C. F. von Ledebour, Fl. Ross. 4: 234 (1853), nom. illeg.
- Juncus tommasinii* Parl., Fl. Ital. (Parlatore) 2(2): 315 (1857).
- Juncus acutus* var. *tyraicus* Pacz., Fl. Chers. 1: 381 (1914).
- Juncus tyraicus* (Pacz.) V. I. Krecz. & Gontsch., in V. L. Komarov, Fl. URSS 3: 544 (1935).
- Juncus acutus* subsp. *tyraicus* (Pacz.) I. Grint., in Savulescu, Fl. Reipubl. Popul. Roman. 11: 556 (1966).
- Juncus littoralis* subsp. *tyraicus* (Pacz.) Novikov, Fl. Evropeiskoi Chasti SSSR 2: 73 (1976).
- Juncus maritimus* Lam., Encycl. 3: 264 (1789).
- Juncus ponticus* Steven, Bull. Soc. Imp. Naturalistes Moscou 3: 94 (1857).
- Juncus maritimus* var. *ponticus* (Steven) Asch. & Graebn., Syn. Mitteleur. Fl. 2(2): 456 (1904).
- Juncus ranarius* Songeon & E. P. Perrier, in Billot, Annot. Fl. Fr. et Allem.: 192 (1860).
- Juncus bufonius* var. *ranarius* (Songeon & E. P. Perrier) Farw., Rep. (Annual) Michigan Acad. Sci. 19: 247 (1917).
- Juncus bufonius* subsp. *ranarius* (Songeon & E. P. Perrier) Hiitonen, Suom. Putkilok. (Enum. Pl. Vasc. Fern. Or.): 22 (1934).
- Juncus ambiguus* auct. non Guss., Fl. Sicul. Prodr. 1: 435 (1827).
- Juncus nastanthus* V. I. Krecz. & Gontsch., Fl. URSS 3: 517, 624 (1935).
- Juncus bufonius* subsp. *nastanthus* (V. I. Krecz. & Gontsch.) Soó, Acta Bot. Acad. Sci. Hung. 16(3–4): 366 (1971).
- Juncus soranthus* Schrenk, Bull. Cl. Phys.-Math. Acad. Imp. Sci. Saint-Pétersbourg 2: 193 (1843).
- Juncus gerardii* subsp. *soranthus* (Schrenk) K. Richt., Pl. Eur. 1: 177 (1890).
- Juncus gerardii* var. *soranthus* (Schrenk) Trautv., Bull. Soc. Imp. Naturalistes Moscou 40(2): 110 (1867).
- Juncus fominii* Zoz, in Sympos. Mem. Fomin (Acad. Sc. Ukraine): 51 (1938).
- Juncus sphaerocarpus* Nees ex Funk, Flora 1: 521 (1818).
- Juncus squarrosum* L., Sp. Pl.: 327 (1753).
- Juncus subnodulosus* Schrank, Baier. Fl. i.: 616 (1789).
- Juncus erectus* Besser, Prim. Fl. Galiciae Austriac. 1: 241 (1809).
- Juncus obtusatus* Kit. ex Schult., Österreichs Fl. 1: 566 (1814).
- Juncus obtusiflorus* Ehrh., Beitr. Naturk. [Ehrhart] 6: 83 (1791).
- Juncus sylvaticus* (L.) Reichard, Fl. Moeno-Francof. 2: 181 (1778).
- Juncus tenageia* Ehrh. ex L.f., Suppl. Pl.: 208 (1782).
- Juncus tenageia* subsp. *tenageia*
- \**Juncus tenuis* Willd., Sp. Pl., ed. 4 [Willdenow] 2(1): 214 (1799).
- Juncus macer* Gray, Nat. Arr. Brit. Pl. 2: 164 (1821).
- Juncus thomasii* Ten., Ind. Sem. Hort. Neap.: 3 (1827).
- Juncus thomasii* var. *laxiusculus* Zapal., Conspl. Fl. Gallic. Crit. 1: 135 (1906).
- Juncus rochelianus* Schult. & Schult.f., Syst. Veg., ed. 15 bis [Römer & Schultes] 7(2): 1658 (1830).
- Juncus triglumis* L., Sp. Pl.: 328 (1753).
- Juncus triglumis* subsp. *triglumis*
- Luzula DC., Fl. Franc. [de Candolle & Lamarck], ed. 3. 3: 158 (1805), nom. cons.
- Luzula alpinopilosa* (Chaix) Breistr., Bull. Soc. Sci. Isère 61: 609 (1947).
- Juncus alpinopilosus* Chaix, in D. Villars, Hist. Pl. Dauphiné 1: 318 (1786).
- Luzula spadicea* DC., in Lam. & DC., Fl. Franc., ed. 3, 3: 159 (1805).
- Luzula alpinopilosa* subsp. *obscura* S. E. Fröhner, Preslia 40: 426 (1968).
- Luzula obscura* (S. E. Fröhner) Novikov, Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol. 95(6): 66 (1990).
- Luzula carpatica* Kitt. ex Kanitz, Linnaea 32: 327 (1863).
- Luzula spadicea* var. *carpatica* (Kitt. ex Kanitz) Asch. & Graebn., Syn. Mitteleur. Fl. 2(2): 513 (1904).
- Luzula spadicea* f. *carpatica* (Kitt. ex Kanitz) I. Grint., Fl. Reipubl. Popul. Roman. 11: 594 (1966).
- Luzula campestris* (L.) DC., Fl. Franc. [de Candolle & Lamarck], ed. 3, 3: 161 (1805).
- Luzula campestris* subsp. *campestris*
- Juncus campestris* L., Sp. Pl. 1: 329 (1753).
- Luzula subpilosa* (Gilib.) V. I. Krecz. & Gontsch., Fl. URSS 3: 571 (1935), nom. illeg.
- Luzula divulgata* Kirschner, Folia Geobot. Phytotax. 14: 431 (1979 publ. 1980).
- Luzula forsteri* (Smith) DC., Syn. Pl. Fl. Gall.: 150 (1806).

- Juncus forsteri* Sm., Fl. Brit. 3: 1395 (1804).
- Luzula vernalis* subsp. *forsteri* (Sm.) Bonnier & Layens, Tabl. Syn. Pl. Vasc. France: 322 (1894).
- Luzula forsteri* subsp. *forsteri*
- Luzula forsteri* subsp. *rhizomata* (Ebinger) Z. Kaplan, Preslia 73: 60 (2001).
- Luzula forsteri* var. *rhizomata* Ebinger, Mem. New York Bot. Gard. 10(5): 289 (1964).
- Luzula luzulina* (Vill.) Racib., Spraw. Komis. Fizjogr. 22: 169 (1888).
- Juncus flavescentia* Host, Icon. Descr. Gram. Austriac. 3: 62 (1805).
- Juncus luzulinus* Vill., Hist. Pl. Dauphiné 2: 235 (1787).
- Luzula flavescentia* (Host) Gaudin, Agrost. Helv. 2: 239 (1811).
- Luzula hostii* Desv., J. Bot. (Desvaux) 1: 140 (1808), nom. superfl.
- Luzula luzuloides* (Lam.) Dandy & Wilmott, Dandy & E. Willm., J. Bot. 76: 352 (1938).
- Juncus luzuloides* Lam., Encycl. 3: 272 (1789).
- Luzula luzuloides* subsp. *luzuloides*
- Juncus albidus* Hoffm., Deutschl. Fl. (Hoffm.): 126, t. 6 (1791).
- Luzula albida* (Hoffm.) DC., Fl. Franc. [de Candolle & Lamarck], ed. 3, 3: 159 (1805).
- Luzula albida* var. *paryiflora* Döll., Fl. Baden, 1: 323 (1857).
- Luzula angustifolia* Wender, Beitr. Fl. Hess.: 36 (1823), nom. illeg.
- Juncus nemorosus* Pollich, Hist. Pl. Palat. 1: 352 (1776).
- Luzula nemorosa* (Pollich) E. Mey., Linnaea 22(4): 394, nom. illeg.
- Luzula nemorosa* var. *leucanthema* (Wallr.) Asch. & Graebn., Syn. Mitteleur. Fl. 2(2): 502 (1904).
- Luzula luzuloides* subsp. *rubella* (Hoppe ex Mert. & W. D. J. Koch) Holub, Folia Geobot. Phytotax. 18: 205 (1983).
- Luzula albida* var. *rubella* Hoppe ex Mert. & W. D. J. Koch in J. C. Röhling, Deutschl. Fl., ed. 3, 2: 599 (1826).
- Luzula angustifolia* subsp. *rubella* (Hoppe ex Mert. & W. D. J. Koch) K. Richt., Pl. Eur. 1: 184 (1890).
- Luzula nemorosa* var. *rubella* (Hoppe ex Mert. & W. D. J. Koch) Garcke, Fl. N. Mitt.-Deutschland, ed. 2: 340 (1851).
- Luzula angustifolia* var. *rubella* (Hoppe ex Mert. & W. D. J. Koch) Garcke, Fl. N. Mitt.-Deutschland, ed. 3: 348 (1853).
- Luzula nemorosa* f. *rubella* (Hoppe ex Mert. & W. D. J. Koch) Racib., Conspl. Juncac. Polon.: 25 (1888).
- Luzula fuscata* Schur, Verh. Mitt. Siebenbürg. Vereins Naturwiss. Hermannstadt 10: 200 (1859).
- Luzula alpigena* Schur, Enum. Pl. Transsilv.: 681 (1866).
- Luzula fuscata* Schur, Verh. Mitt. Siebenbürg. Vereins Naturwiss. Hermannstadt 10: 200 (1859).
- Luzula albida* var. *alpigena* (Schur) Nyman, Conspl. Fl. Eur.: 751 (1882).
- Luzula albida* var. *cuprina* Rochel. Pl. Banat. Rar. 3: 27 (1828), nom. inval.
- Luzula nemorosa* var. *cuprina* Rochel. ex Asch. & Graebn., Syn. Mitteleur. Fl. 2(2): 503 (1904).
- Luzula luzuloides* subsp. *cuprina* (Roch. ex Asch. & Graeb.) Chrték & Kříša, Preslia 46(3): 212 (1974).
- Luzula multiflora* (Ehrh.) Lej., Fl. Spa 1: 169 (1811).
- Luzula multiflora* subsp. *multiflora*
- Juncus campestris* var. *multiflorus* Ehrh., Beitr. Naturk. 5: 14 (1790).
- Juncus multiflorus* (Ehrh.) Hoffm., Deutschl. Fl., ed. 3, 1: 169 (1800), nom. illeg.
- Juncus nemorosus* Host, Icon. Descr. Gram. Austriac. 3: 64 (1805), nom. illeg.
- Luzula nemorosa* Hornem., Hort. Bot. Hafn.: 962 (1815).
- Luzula campestris* var. *nemorosa* (Hornem.) Gaudin, Fl. Helv. 2: 572 (1828).
- Luzula pallescens* Sw., Summa Veg. Scand.: 13 (1814).
- Juncus campestris* var. *lapponicus* Retz., Fl. Scand. Prodr., ed. 2: 82 (1795).
- Juncus pallescens* Wahlenb., Fl. Lapp.: 87 (1812), nom. illeg.
- Luzula campestris* subsp. *pallescens* (Sw.) Čelak., Prodr. Fl. Böhmen 4: 749 (1881).
- Luzula multiflora* subsp. *pallescens* (Sw.) Reichg., in S. J. van Ooststroom et al., Fl. Neerl. 1: 208 (1964).
- Luzula pallidula* Kirschner, Taxon 39: 110 (1990).
- Luzula pilosa* (L.) Willd., Enum. Pl. 393 (1809).
- Juncus pilosus* L., Sp. Pl.: 329 (1753).
- Juncus pilosus* var. *vernalis* (Reichard) Pers., Syn. Pl. 1: 385 (1805).
- Juncus vernalis* Reichard, Fl. Moeno-Francof. 2: 182 (1778).
- Luzula vernalis* (Reichard) DC., Fl. Franc. [de Candolle & Lamarck], ed. 3, 3: 160 (1805).
- Luzula spicata* (L.) DC., Fl. Franc. [de Candolle & Lamarck], ed. 3, 3: 161 (1805).
- Juncus spicatus* L., Sp. Pl.: 330 (1753).
- Luzula spicata* subsp. *conglomerata* (W. D. J. Koch) Murr, Magyar Bot. Lapok 28: 67 (1929 publ. 1930).
- Luzula conglomerata* Miel. ex Huebener, Flora 22(2): 489 (1839).
- Luzula spicata* var. *conglomerata* W. D. J. Koch, Syn. Fl. Germ. Hely., ed. 2: 848 (1844).
- Luzula spicata* subsp. *mutabilis* Chrték & Kříša, Bot. Not. 115: 302 (1962).
- Luzula sudetica* (Willd.) Schult., Oesterr. Fl., ed. 2, 1: 573 (1814).
- Juncus sudeticus* Willd., Sp. Pl. 2: 221 (1799).
- Luzula campestris* var. *nigricans* Gaudin, Fl. Helv. 2: 572 (1828).
- Luzula campestris* subsp. *alpestris* (G. Mey.) Čelak., Prodr. Fl. Böhmen 1: 85 (1867).
- Luzula campestris* subsp. *sudetica* (Willd.) Čelak., Prodr. Fl. Böhmen 3: 749 (1881), nom. illeg.
- Luzula multiflora* subsp. *sudetica* (Willd.) Arcang., Comp. Fl. Ital.: 713 (1882), nom. illeg.
- Luzula althii* Herbich, Sel. Pl. Galic.: 12 (1836).
- Luzula sylvatica* (Huds.) Gaudin, Agrost. Helv. 2: 240 (1811).
- Luzula sylvatica* subsp. *sylvatica*
- Juncus sylvaticus* Huds., Fl. Angl.: 32 (1762).
- Luzula maxima* (Reichard) DC., Fl. Franc. [de Candolle & Lamarck], ed. 3, 3: 160 (1805).
- Luzula taurica* (V. I. Krecz.) Novikov, Novosti Sist. Vyssh. Rast. 27: 20 (1990).
- Luzula campestris* subsp. *taurica* V. I. Krecz. Zhurn. Russk. Bot. Obshch. 12: 490 (1928).
- Luzula multiflora* subsp. *taurica* (V. I. Krecz.) Novikov, Fl. Evropeiskoi Chasti SSSR 2: 83 (1976).
- Oreojuncus* Záv. Drábk. & Kirschner, Preslia 85: 498 (2013)
- Oreojuncus trifidus* (L.) Záv. Drábk. & Kirschner, Preslia 85(4): 499 (2013).
- Juncus trifidus* L., Sp. Pl.: 326 (1753).

## Discussion

To the list of Juncales in the flora of Ukraine, we included its recent recorded taxa and some taxa unconfirmed by reliable herbarium data (for the family Cyperaceae: *Carex* (Hyndy & Danylyk, 1994; Danylyk, 1995; Danylyk & Panchenko, 2001), *Cyperus* (= *Torulinium*) (Dubynka & Protopopova, 1984), *Eleocharis* (Danylyk & Orlov, 2004), *Eriophorum* (Danylyk, 2004), *Trichophorum* (Danylyk et al., 2007; Kuzyarin, 2012), *Schoenoplectus* (Danylyk & Honcharenko, 2009), *Schoenoplectiella* (Danylyk et al., 2017; Moysiienko et al., 2019) and for the family Juncaceae: *Juncus* (Olshansky & Orlov, 2013; Shevchyk et al., 2018)).

The results of the recent phylogenetic studies (Global Carex Group, 2015, 2016; Shiels et al., 2014; Záveská Drábková & Kirschner, 2013) have somewhat changed our understanding of the taxonomy of Juncales and some taxa of this order. Compared to previous researches, we accepted genera *Schoenoplectiella* Lye and *Oreojuncus* Záv. Drábk. & Kirschner. In our work, the basic unit is the species. When necessary we also indicated subspecies, and varieties, and forms to cover intraspecific heterogeneity.

The order Juncales in Ukraine contains 188 species, belonging to two families (Cyperaceae, and Juncaceae), and 19 genera, (Table 1). Within the genera of the order Juncales very different number of species has been identified – from 1 to 96 species. Some genera (*Blysmus*, *Cladium*, *Fimbristylis*, *Isolepis*, *Rhynchospora*, *Scirpoidea*, and *Oreojuncus*) include

only one species. Five genera contain more than ten species each, namely *Carex* contains 96 species, *Juncus* – 26 species, *Luzula* – 13 species, *Cyperus* – 12 species, *Eleocharis* – 11 species. Other genera of the order Juncales are represented in the flora of Ukraine by two to five species.

**Table 1**  
The order Juncales in Ukraine: taxonomical diversity

Taxon	Number of species
Cyperaceae	148
<i>Blysmus</i>	1
<i>Bolboschoenus</i>	5
<i>Carex</i>	96
<i>Cladium</i>	1
<i>Cyperus</i>	12
<i>Eleocharis</i>	11
<i>Eriophorum</i>	4
<i>Fimbristylis</i>	1
<i>Isolepis</i>	1
<i>Rhynchospora</i>	1
<i>Schoenoplectiella</i>	3
<i>Schoenoplectus</i>	5
<i>Schoenus</i>	2
<i>Scirpoïdes</i>	1
<i>Scirpus</i>	2
<i>Trichophorum</i>	2
Juncaceae	40
<i>Juncus</i>	26
<i>Luzula</i>	13
<i>Oreojuncus</i>	1

The number of Juncales species is greater in Ukraine than in adjacent European countries (please see Table 2). In the neighbouring countries, the number of Juncales species is as follows:

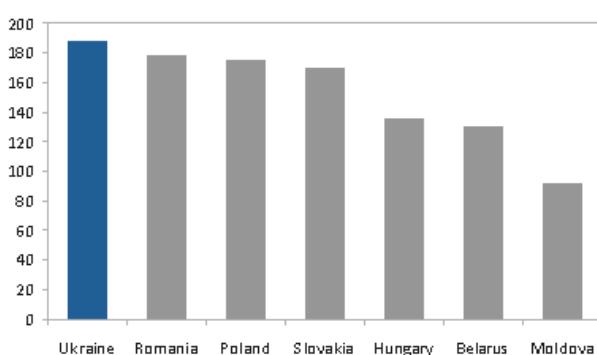
– Cyperaceae: Poland – 146 (Mirek et al., 2002), Belarus – 103 (Skuratovich, 2017), Moldova – 75 (Geydeman, 1986), Hungary – 112 (Lájer, 2009), Slovakia – 137 (Dostal, 1989), Romania – (Ciocârlan, 2009);

– Juncaceae: Poland – 34 (Kirschner, 1979, 1992; Mirek et al., 2002), Belarus – 28 (Dubovik & Tretjakov, 2017), Moldova – 17 (Geydeman, 1986), Hungary – 24 (Lájer, 2009), Slovakia – 33 (Dostal, 1989), Romania – 32 (Grințescu, 1966; Ciocârlan, 2009).

Quantitative taxonomic indicators of Juncales of the flora of Ukraine are closer to the countries with mountainous regions (Poland, Romania, Slovakia). In Ukraine, the number of Juncales taxa is significantly higher compared to countries where there are no mountains (Moldova, Belarus, Hungary). In general, the degree of taxonomic diversity of Juncales in Ukraine is quite high compared to the neighbouring countries (Fig. 1).

**Table 2**  
Number of Juncales species in Ukraine and adjacent countries

Taxon	Country						
	Ukraine	Belarus	Poland	Slovakia	Hungary	Romania	Moldova
Cyperaceae	148	103	141	137	112	146	75
Juncaceae	40	28	34	33	24	32	17
Total	188	131	175	170	136	178	92



**Fig. 1.** Number of Juncales species in Ukraine and adjacent countries

Thus, the order Juncales has a great taxonomic diversity in Ukraine. Compared with the neighbouring countries, the number of species of this order is quite high. This is ensured by the special geographical position of

Ukraine (primarily due to the considerable length from north to south, as well as the presence of mountains).

In the territory of Ukraine, there are both widespread and rare Juncales species. We refer to the rarest species *Carex alba*, *C. bicolor*, *C. bohemica*, *C. brunneascens*, *C. buxbaumii*, *C. depauperata*, *C. fuligino-sa*, *C. globularis*, *C. heleonastes*, *C. lachenalii*, *C. loliacea*, *C. obtusata* (Sosnovska et al., 2013), *C. pediformis*, *C. rupestris*, *C. strigosa*, *Cyperus longus*, *Eleocharis multicaulis*, *E. oxylepis*, *Fimbristylis bisumbellata*, *Juncus acutiflorus*, *J. soranthus*, *J. subnodulosus*, *Isolepis setacea*, *Luzula spicata*, *Schoenoplectus pungens*, *Trichophorum alpinum*, *T. cespitosum*. Also, the following species are rare: *Bolboschoenus yagara*, *Carex chodorhiza*, *C. davalliana*, *C. dioica* (Sosnovska et al., 2017), *C. hostiana*, *C. pauciflora*, *C. secalina*, *C. vaginata*, *Cladium mariscus*, *Eleocharis carniolica*, *Juncus capitatus*, *J. castaneus*, *J. littoralis*, *J. sphaerocarpus*, *J. thomasi*, *J. triglumis*, *Luzula alpinopilosa*, *L. sudetica*, *Schoenoplectiella mucronata*, *Schoenus ferrugineus*. Perhaps, two species (*Juncus tenuageia*, *Luzula luzulina*) have disappeared in Ukraine.

Three Juncales species are non-native to Ukraine: *Cyperus esculentus*, *Juncus dichotomus*, *J. tenuis*.

## Conclusions

Thus, we have compiled an updated list of Juncales species in the flora of Ukraine. There are 188 species of order Juncales in Ukraine, belonging to families Cyperaceae and Juncaceae, and 19 genera. The genus *Carex* is the largest in this order. Seven genera have only one species each. The genus *Juncus* includes 26 species, *Luzula* – 13 species, *Cyperus* – 12 species, *Eleocharis* – 11 species. Other genera of the Juncales are represented in the flora of Ukraine by two to five species. This is a fairly high rate of taxonomic diversity compared with the countries adjacent to Ukraine.

## References

- APG IV (2016). An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. Botanical Journal of the Linnean Society, 181(1), 1–20.
- Baćić, T., Jogan, N., & Dolenc Koce, J. (2007). *Luzula* sect. *Luzula* in the South-Eastern Alps: Karyology and genome size. Taxon, 56, 129–136.
- Bartolucci, F., Peruzzi, L., Galasso, G., Albano, A., Alessandrini, A., Ardenghi, N. M. G., Astuti, G., Bacchetta, G., Ballelli, S., Banfi, E., Barberis, G., Bernardo, L., Bouvet, D., Bovio, M., Cecchi, L., Di Pietro, R., Domina, G., Fascetti, S., Fenu, G., Festi, F., Foggi, B., Gallo, L., Gottschlich, G., Gubellini, L., Iamonico, D., Iberite, M., Jiménez-Mejías, P., Lattanzi, E., Marchetti, D., Martinetto, E., Masin, R. R., Medagli, P., Passalacqua, N. G., Peccenini, S., Pennesi, R., Pierini, B., Poldini, L., Prosser, F., Raimondo, F. M., Roma-Marzio, F., Rosati, L., Santangelo, A., Scoppola, A., Scortegagna, S., Selvaggi, A., Selvi, F., Soldano, A., Stinca, A., Wagensommer, R. P., Wilhalm, T., & Conti, F. (2018). An updated checklist of the vascular flora native to Italy. Plant Biosystems, 152(2), 179–303.
- Bozek, M., Leitch, A. R., Leitch, I. J., Záveská Drábková, L., & Kuta, E. (2012). Chromosome and genome size variation in *Luzula* (Juncaceae), a genus with holocentric chromosomes. Botanical Journal of the Linnean Society, 170(4), 529–541.
- Bremer, K. (2002). Gondwanan evolution of the grass alliance of families (Poales). Evolution, 56(7), 1374–1387.
- Ciocârlan, V. (2009). Flora Ilustrată a României: Pteridophyta et Spermatophyta. [The illustrated flora of Romania: Pteridophyta et Spermatophyta]. Ceres, București.
- Danylyk, I. M. (1995). *Carex strigosa* Huds. (Cyperaceae) – novyi vyd dla flory Ukrayny [*Carex strigosa* Huds. (Cyperaceae) – the new species for the flora of Ukraine]. Ukrainian Botanical Journal, 52(2), 277–279 (in Ukrainian).
- Danylyk, I. M. (2004). Rid *Eriophorum* L. (Cyperaceae) u flori Ukrayny [The genus *Eriophorum* L. (Cyperaceae) in the flora of Ukraine]. In: J. K. Pachoski and modern botany. Ailant, Kherson. Pp. 96–98 (in Ukrainian).
- Danylyk, I. M. (2012). Systema rodiny Cyperaceae Juss. flory Ukrayny [A system of the family Cyperaceae Juss. in the Ukrainian flora]. Ukrainian Botanical Journal, 69(3), 337–351 (in Ukrainian).
- Danylyk, I. M., & Orlov, A. A. (2004). Novi znakhidky *Eleocharis mamillata* (Cyperaceae) na Pravoberezhnomu Polissi Ukrayny [New localities *Eleocharis mamillata* (Cyperaceae) in Right-Bank Polissya of Ukraine]. Ukrainian Botanical Journal, 61(5), 84–90 (in Ukrainian).
- Danylyk, I. M., & Panchenko, S. M. (2001). *Carex brunnescens* (Pers.) Poiret (Cyperaceae) – novyi vyd flory Ukrayny [*Carex brunnescens* (Pers.) Poiret (Cyperaceae) – a new species for the flora of Ukraine]. Ukrainian Botanical Journal, 58(1), 73–77 (in Ukrainian).

- Danylyk, I. M., & Honcharenko, V. I. (2009). *Schoenoplectus pungens* (Vahl) Palla (Cyperaceae) – novyj vyd dla flory Ukrayny [Schoenoplectus pungens (Vahl) Palla (Cyperaceae) – a new species for of the Ukrainian flora]. Ukrainian Botanical Journal, 66(5), 650–655 (in Ukrainian).
- Danylyk, I. M., Myhal, A. V., & Kish, R. Y. (2007). *Trichophorum* Pers. (Cyperaceae) – novyj rid dla flory Ukrayny [Trichophorum Pers. (Cyperaceae) – new genus for the Ukrainian flora]. Ukrainian Botanical Journal, 64(6), 905–909 (in Ukrainian).
- Danylyk, I. M., Olshanskyi, I. G., & Zhygalova, S. L. (2017). A new nomenclatural combination in *Schoenoplectiella* (Cyperaceae). Phytotaxa, 299(1), 138–140.
- Ding, H.-B., Maw, M. B., Yang, B., Bouamainivong, S., & Tan, Y.-H. (2020). An updated checklist of *Begonia* (Begoniaceae) in Laos, with two new species and five new records. In: Jin, X.-H., Xia, N.-H., & Tan, Y.-H. (Eds.). Plant diversity of Southeast Asia-II. PhytoKeys, 138, 187–201.
- Dostál, J. (1989). Nová Květena ČSSR [New Flora of Czechoslovakia]. Vol. 2. Akademia, Praha (in Czech).
- Drábková, L., Kirschner, J., Seberg, O., Petersen, G., & Vlček, Č. (2003). Phylogeny of the Juncaceae based on rbcL sequences, with special emphasis on *Luzula* DC. and *Juncus* L. Plant Systematics and Evolution, 240, 133–147.
- Drábková, L., Kirschner, J., Vlček, Č., & Pačes, V. (2004). tmL-tmF intergenic spacer and tmL intron define clades within *Luzula* and *Juncus* (Juncaceae). Journal of Molecular Evolution, 59, 1–10.
- Drábková, L., Kirschner, J., & Vlček, Č. (2006). Phylogenetic relationships within *Luzula* DC. and *Juncus* L. (Juncaceae): A comparison of phylogenetic signals of tmL-tmF intergenic spacer, tmL intron and rbcL plastome sequence data. Cladistics, 22, 132–143.
- Dubovik, D. V., & Tretyakov, D. I. (2017). Juncaceae Juss. – sitnikovye. In: Parfenov, V. I. (Ed.). Flora Belarusi. Sosudistye rastenia [Flora of Belarus. Vascular Plants]. Vol. 3. Belaruskaya Navuka, Minsk. Pp. 310–351 (in Russian).
- Dubyina, D. B., & Protopopova, V. V. (1984). Novyi dlja flory evropeiskoy chasty-ny SSR vyd *Torilinium ferax* (Rich.) Urb. [*Torilinium ferax* (Rich.) Urb. – a new species for the flora of the European part of the USSR]. Ukrainian Botanical Journal, 41(5), 21–25 (in Ukrainian).
- Egorova, T. V. (1999). The sedges (*Carex* L.) of Russia and adjacent states (within the limits of the former USSR). Saint-Petersburg State Chemical-Pharmaceutical Academy, Saint-Petersburg: Missouri Botanical Garden Press, Saint Louis.
- Egorova, T. V. (2004). Rod *Scirpus* L. (Cyperaceae) vo flore Eurasii [The genus *Scirpus* L. (Cyperaceae) in the flora of Eurasia]. Novosti Sistematički Vysshikh Rastenii, 36, 40–79 (in Russian).
- Egorova, T. V. (2005). Taxonomicheskiy obzor roda *Schoenoplectus* (Reichenb.) Palla (Cyperaceae) flory Severnoj Eurasii [A taxonomic review of the genus *Schoenoplectus* (Reichenb.) Palla (Cyperaceae) of the flora of Northern Eurasia]. Novosti Sistematički Vysshikh Rastenii, 37, 49–79 (in Russian).
- Egorova, T. V. (2007). Taxonomicheskiy obzor roda *Eleocharis* R. Br. (Cyperaceae) flory Evropy [Taxonomic review of the genus *Eleocharis* R. Br. (Cyperaceae) in the flora of Europe]. Novosti Sistematički Vysshikh Rastenii, 39, 159–192 (in Russian).
- Gedymas, T. S. (1986). Opredelitel vysshikh rastenij Moldavskoj SSR [Key to higher plants of the Moldavian SSR]. Third edition. Štintja, Chișinău (in Russian).
- Global Carex Group (2015). Making *Carex* monophyletic (Cyperaceae, tribe Cariaceae): A new broader circumscription. Botanical Journal of the Linnean Society, 179(1), 1–42.
- Global Carex Group (2016). Megaphylogenetic specimen-level approaches to the *Carex* (Cyperaceae) phylogeny using ITS, ETS, and matK sequences: Implications for classification. Systematic Botany, 41(3), 500–518.
- Gonzalez-Elizondo, M. S., & Peterson, P. M. (1997). A classification of and key to the supraspecific taxa in *Eleocharis* (Cyperaceae). Taxon, 46(3), 433–449.
- Grințescu, I. (1966). Juncaceae A. L. Juss. In: Flora Reipublicae Socialisticea România. Vol. 11. Pp. 527–604 (in Romanian).
- Hayasaka, E. (2012). Delineation of *Schoenoplectiella* Lye (Cyperaceae), a genus newly segregated from *Schoenoplectus* (Rchb.) Palla. Japanese Journal of Botany, 87, 169–186.
- Hroudová, Z., Zákravský, P., Ducháček, M., & Marhold, K. (2007). Taxonomy, distribution and ecology of *Bolboschoenus* in Europe. Annales Botanici Fennici, 44, 81–102.
- Hynd, L. V., & Danylyk, I. M. (1994). *Carex demissa* Hornem. (Cyperaceae) – novyj vyd flory Ukrayny [Carex demissa Hornem. (Cyperaceae) – a new species of the flora of Ukraine]. Ukrainian Botanical Journal, 51(6), 134–137 (in Ukrainian).
- Jones, E., Simpson, D. A., Hodgkinson, T. R., Chase, M. W., & Parnell, J. A. N. (2007). The Juncaceae-Cyperaceae interface: A combined plastid sequence analysis. Aliso, 23, 55–61.
- Kirschner, J. (1979). A new species of the *Luzula campestris-multiflora* complex in Central Europe. Folia Geobotanica et Phytotaxonomica, 14, 431–435.
- Kirschner, J. (1992). Karyological differentiation of *Luzula* sect. *Luzula* (Juncaceae) in Europe. Thaissia – Journal of Botany, 2, 11–39.
- Kirschner, J., Snogerup, S., Novikov, V. S., & Ahti, T. (Eds.). (2002a). Species Plantarum: Flora of the World. Part 6. Juncaceae 1: *Rostkovia* to *Luzula*. Australian Biological Resources Study, Canberra.
- Kirschner, J., Snogerup, S., Novikov, V. S., & Ahti, T. (Eds.). (2002b). Species Plantarum: Flora of the World. Part 7. Juncaceae 2: *Juncus* subg. *Juncus*. Australian Biological Resources Study, Canberra.
- Kirschner, J., Snogerup, S., Novikov, V. S., & Ahti, T. (Eds.). (2002c). Species Plantarum: Flora of the World. Part 8. Juncaceae 3: *Juncus* subg. *Agathryon*. Australian Biological Resources Study, Canberra.
- Koopman, J. (2015). *Carex* Europaea. The genus *Carex* L. (Cyperaceae) in Europe 1, ed. 2, ebook. Margraf Publishers, Weikersheim.
- Kuzyarin, O. T. (2012). *Trichophorum alpinum* (L.) Pers. (Cyperaceae) – novyj vyd dla flory Ukrayny [Trichophorum alpinum (L.) Pers. (Cyperaceae), a new species in the flora of Ukraine]. Ukrainian Botanical Journal, 69(5), 708–712 (in Ukrainian).
- Lájer, K. (2009). Juncaceae & Cyperaceae. In: Király, G. Új Magyar Flóroskonyv. Magyarország hajtásos növényei Határozókulcsok [New Hungarian Herbal. The Vascular Plants of Hungary. Identification key]. Aggteleki Nemzeti Park Igazgatóság, Jósvafő. Pp. 493–570 (in Hungarian).
- Larridon, I., Bauters, K., Reynards, M., Huygh, W., & Goetghebeur, P. (2014). Taxonomic changes in *C<sub>4</sub> Cyperus* (Cyperaceae, Cyperoideae, Cyperaceae): Combining the sedge genera *Ascolepis*, *Kyllinga* and *Pycneurus* into *Cyperus* s.l. Phytotaxa, 166, 33–48.
- Larridon, I., Bauters, K., Reynards, M., Huygh, W., Muasya, A. M., Simpson, D. A., & Goetghebeur, P. (2013). Towards a new classification of the giant paraphyletic genus *Cyperus* (Cyperaceae): Phylogenetic relationships and generic delimitation in *C<sub>4</sub> Cyperus*. Botanical Journal of the Linnean Society, 172, 106–126.
- Larridon, I., Reynards, M., Huygh, W., Bauters, K., Vrijdaghs, A., Leroux, O., Muasya, A. M., Simpson, D. A., & Goetghebeur, P. (2011). Taxonomic changes in *C<sub>3</sub> Cyperus* (Cyperaceae) supported by molecular data, morphology, embryography, ontogeny and anatomy. Plant Ecology and Evolution, 144, 327–356.
- Mirek, Z., Piękos-Mirkowa, H., Zająć, A., & Zająć, M. (2002). Flowering plants and pteridophytes of Poland. A checklist. Biodiversity of Poland. Vol. 1. W. Szafer Institute of Botany, Kraków.
- Moysienko, I. I., Danylyk, I. M., Melnyk, R. P., Sadova, O. F., & Zakharova, M. Y. (2019). *Schoenoplectiella mucronata* (Cyperaceae) u flori Ukrayny [Schoenoplectiella mucronata (Cyperaceae) in the flora of Ukraine]. Ukrainian Botanical Journal, 76(1), 52–59 (in Ukrainian).
- Mosyakin, S. L. (2013). Rodyn i poriadky kvitkovykh roslyn flory Ukrayny: Pragmatichna klasifikacia ta polozhennia u filogenetichniy sistemi [Families and orders of angiosperms of the flora of Ukraine: A pragmatic classification and placement in the phylogenetic system]. Ukrainian Botanical Journal, 70(3), 289–307 (in Ukrainian).
- Mosyakin, S. L., & Fedorochuk, M. M. (1999). Vascular plants of Ukraine. A nomenclatural checklist. M. G. Kholodny Institute of Botany, Kyiv.
- Muasya, A. M., Simpson, D. A., & Chase, M. W. (2001). A phylogeny of *Isolepis* (Cyperaceae) inferred using plastid rbcL and tmL-F sequences data. Systematic Botany, 26, 342–353.
- Muasya, A. M., Simpson, D. A., Chase, M. W., & Culham, A. (2000). Phylogenetic relationships within the heterogeneous *Scirpus* s.l. (Cyperaceae) inferred from rbcL and tmL-F sequence data. In: Wilson, K. L., & Morrison, D. A. (Eds.). Monocots: Systematics and evolution. CSIRO, Melbourne. Pp. 610–614.
- Munro, S. L., Kirschner, J., & Linder, H. P. (2001). Species Plantarum: Flora of the World. Part 5. Prioniaceae. Australian Biological Resources Study, Canberra.
- Novoselova, M. S. (2001). Rod *Eriophorum* L. (Cyperaceae) vo flore Rossii [The genus *Eriophorum* L. (Cyperaceae) in the flora of Russia]. Novosti Sistematički Vysshikh Rastenii, 33, 44–55 (in Russian).
- Novoselova, M. S. (2003). Rod *Trichophorum* Pers. (Cyperaceae) vo flore Rossii [The genus *Trichophorum* Pers. (Cyperaceae) in the flora of Russia]. Novosti Sistematički Vysshikh Rastenii, 35, 41–50 (in Russian).
- Olszanskyi, I. G., & Fedorochuk, M. M. (2011). Rid *Juncus* L. (Juncaceae) u flori Ukrayny [Juncus L. (Juncaceae) in the Flora of Ukraine]. Ukrainian Botanical Journal, 68(5), 686–700 (in Ukrainian).
- Olszanskyi, I. G., & Fedorochuk, M. M. (2012). Rid *Luzula* DC. (Juncaceae) u flori Ukrayny [Luzula DC. (Juncaceae) in the Flora of Ukraine]. Ukrainian Botanical Journal, 69(1), 69–76 (in Ukrainian).
- Olszanskyi, I. G., & Orlov, O. O. (2013). *Juncus dichotomus* Elliott (Juncaceae), a new alien species for the flora of Ukraine. Ukrainian Botanical Journal, 70(6), 769–771.
- Plunkett, G. M., Soltis, D. E., Soltis, P. S., & Brooks, R. E. (1995). Phylogenetic relationships between Juncaceae and Cyperaceae: insights from rbcL sequence data. American Journal of Botany, 82(4), 520–525.
- Reveal, J. L. (2012). An outline of a classification scheme for extant flowering plants. Phytoneuron, 37, 1–221.
- Reyes-Chávez, J., Tarvin, S., & Batke, S. P. (2021). Ferns and lycophytes of Honduras: A new annotated checklist. Phytotaxa, 506(1), 1–113.
- Rojas-Alvarado, G., Blanco, M. A., & Karremans, A. P. (2021). A taxonomic synopsis and morphological characterization of *Myoxanthus* (Orchidaceae: Pleurothallidinae). Phytotaxa, 507(3), 211–258.
- Shevchyk, V. L., Olszanskyi, I. G., & Senchylo, O. O. (2018). *Juncus dichotomus* Elliott (Juncaceae) – novyj adventivnyj vyd roslyn dla Zakarpattia [Juncus di-

- chotomus* Elliott (Juncaceae) – new alien species for Transcarpathia]. Biologichni Studii, 12(1), 135–139 (in Ukrainian).
- Shiels, D. R., Hurlbut, D. L., Lichtenwald, S. K., & Monfils, A. K. (2014). Monophyly and phylogeny of *Schoenoplectus* and *Schoenoplectiella* (Cyperaceae): Evidence from chloroplast and nuclear DNA sequences. Systematic Botany, 39(1), 132–144.
- Skuratovich, A. N. (2017). Cyperaceae Juss. – osokovye. In: Parfenov, V. I. (Ed.). Flora Belarusi. Sosudistye rastenia [Flora of Belarus. Vascular Plants]. Vol. 3. Belaruskaya Navuka, Minsk. Pp. 351–543 (in Russian).
- Sosnovska, S., & Danylyk, I. (2017). Population structure of *Carex dioica* (Cyperaceae) in Ukraine under different growth conditions. Biodiversity: Research and Conservation, 46, 19–33.
- Sosnovska, S., Danylyk, I., & Serednytska, S. (2013). Distribution of the subgenus *Psyllophora* (Degl.) Peterm. (*Carex* L.) in Ukraine. Biodiversity: Research and Conservation, 29, 35–42.
- Takhtajan, A. (2009). Flowering plants. 2nd ed. Springer.
- Tatanov, I. V. (2004). Systema roda *Bolboschoenus* (Aschers.) Palla (Cyperaceae) [System of the genus *Bolboschoenus* (Aschers.) Palla (Cyperaceae)]. Novosti Sistematički Vysshikh Rastenii, 36, 80–95 (in Russian).
- Verlooove, F. (2014). A conspectus of *Cyperus* s.l. (Cyperaceae) in Europe (incl. Azores, Madeira and Canary Islands), with emphasis on non-native naturalized species. Webbia: Journal of Plant Taxonomy and Geography, 69(2), 179–223.
- Verlooove, F., Mesterházy, A., & Browning, J. (2016). Studies in *Schoenoplectiella* (Cyperaceae) in tropical West Africa. Phytotaxa, 283(1), 96–100.
- Záveská Drábková, L. (2013). A survey of karyological phenomena in the Juncaceae with emphasis on chromosome number variation and evolution. Botanical Review, 79, 401–446.
- Záveská Drábková, L., & Kirschner, J. (2013). *Oreojuncus*, a new genus in the Juncaceae. Preslia, 85, 483–503.
- Záveská Drábková, L., & Vlček, Č. (2010). Molecular phylogeny of the genus *Luzula* DC. (Juncaceae, Monocotyledones) based on plastome and nuclear ribosomal regions: A case of incongruence, incomplete lineage sorting and hybridisation. Molecular Phylogenetics and Evolution, 57(2), 536–551.