



New ordinal names established by changes to the botanical code

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At the 2011 Nomenclature Session held during the XVIII International Botanical Congress in Melbourne, Australia, it was decided that names above the rank of family treated under Art. 16.1 of the new *International code of nomenclature for algae, fungi and plants*, which came into effect on 30 July 2011, were not to be based on an included family but merely upon “a name of an included genus.” As a result a large number of effectively published suprafamilial names were validated for which the following are noted at this time. While the majority of these ordinal names are not in current use, a few are, namely Nepenthales, Osmundales, Polypodiales, Roridulales, Tamaricales, Taxales and Tropaeolales (Christenhusz *et al.* 2011a, 2011b, Reveal 2011; but see Reveal 2010 for all ordinal names published to that date, or for an up-to-date listing see www.plantsystematics.org/reveal/pbio/fam/allspgnames.html).

In the case of the Berchtold & Presl (1820, 1823–1825) names noted below, these ordinal names were proposed prior to the establishment of a family name and therefore, under the former provisions in Art. 16.1 of the *International code of botanical nomenclature* (McNeill *et al.* 2006), such names were not validly published. With the new modification to the *Code*, these names are now available and represent their first valid publication. Priority is not operative at ranks above that of family and thus the vast majority of the names cited below are of no particular importance nomenclaturally. Still they are valid and available, should anyone wish to adopt them.

Abietales Bercht. & J.Presl, *Přir. Rostlin*: 262. January–April 1820 (Abietinae), predates Link, *Handbuch* 2: 474. 4–11 July 1829—Abietaceae Gray (1822).

Aesculales Bercht. & J.Presl, *Přir. Rostlin*: 224. January–April 1820 (Aesculeae), predates Bromhead in *Mag. Nat. Hist.*, ser. 2, 2: 213. April 1838—Aesculaceae Burnett (1835).

Balsaminales Bercht. & J.Presl, *Přir. Rostlin*: 221. January–April 1820 (Balsamineae), predates Link, *Handbuch* 2: 325. 4–11 July 1829—Balsaminaceae Rich. (1822).

Begoniales Bercht. & J.Presl, *Přir. Rostlin*: 270. January–April 1820 (Begoniae), predates Link, *Handbuch* 1: 309. 4–11 July 1829—Begoniaceae C. Agardh (1824).

Bruniales Bercht. & J.Presl, *Přir. Rostlin*: 226. January–April 1820 (Bruniaceae) predates Dumort., *Anal. Fam. Pl.*: 34. 1829—Bruniaceae R.Br. ex DC. (1825).

Callitrichales Bercht. & J.Presl, *Přir. Rostlin*: 271. January–April 1820 (Callitricheae), predates Link, *Handbuch* 2: 407. 4–11 July 1829—Callitrichaceae Link (1821).

Cuscutales Bercht. & J.Presl, *Přir. Rostlin*: 247. January–April 1820 (Cuscutae), predates Mart., *Consp. Regn. Veg.*: 22. September–October 1835—Cuscutaceae Dumort. (1829).

Datiscales Bercht. & J.Presl, *Přir. Rostlin*: 217. January–April 1820 (Datisceae), predates Dumort., *Anal. Fam. Pl.*: 13. 1829—Datisceae Dumort. (1829).

Ellisiales Bercht. & J.Presl, *Přir. Rostlin*: 244. January–April 1820 (Ellisiae)—no family name proposed to date.

Empetrales Bercht. & J.Presl, *Přir. Rostlin*: 251. January–April 1820 (Empetreae), predates Mart., *Consp. Regn. Veg.*: 55. September–October 1835—Empetraceae Hook. & Lindl. (1821).

- Euonymales** Bercht. & J.Presl, *Přir. Rostlin*: 226. January–April 1820 (Evonymeae)—Euonymaceae Juss. ex Bercht. & J.Presl (1825).
- Fumariales** Bercht. & J.Presl, *Přir. Rostlin*: 216. January–April 1820 (Fumariae), predates Link, *Handbuch* 2: 274. 4–11 July 1829—Fumariaceae Marquis (1820).
- Hernandiales** Bercht. & J.Presl, *Přir. Rostlin*: 235. January–April 1820 (Hernandiae), predates Mart., *Consp. Regn. Veg.*: 15. September–October 1835—Hernandiaceae Blume (1826).
- Hortensiales** Bercht. & J.Presl, *Přir. Rostlin*: 260. January–April 1820 (Hortensiae), predates J.Presl in *Nowoèeská Bibl. [Wšobecný Rostl.]* 7: 690. 1846—Hortensiaceae Martinov (1820).
- Hydroleales** Bercht. & J.Presl, *Přir. Rostlin*: 247. January–April 1820 (Hydroleae), predates Mart., *Consp. Regn. Veg.*: 23. September–October 1835—Hydroleaceae R.Br. ex Edwards (1821).
- Illicales** Bercht. & J.Presl, *Přir. Rostlin*: 226. January–April 1820 (Illicinae), predates Mart., *Consp. Regn. Veg.*: 26. September–October 1835—Illicaceae Dumort. (1829).
- Juniperales** Bercht. & J.Presl, *Přir. Rostlin*: 262. January–April 1820 (Juniperinae)—Juniperaceae J.Presl & C.Presl (1822).
- Leonticales** Bercht. & J.Presl, *Přir. Rostlin*: 217. January–April 1820 (Leonticinae)—Leonticaceae Airy Shaw (1964).
- Marattiales** Bercht. & J.Presl, *Přir. Rostlin*: 272. January–April 1820 (Marattiae), predates Link, *Hort. Berol.* 2: 148. July–December 1833, Marattiaceae Kaulf. (1824).
- Meliantales** Bercht. & J.Presl, *Přir. Rostlin*: 220. January–April 1820 (Meliantheae), predates Doweld in *Pl. Syst. Evol.* 227: 98. 7 May 2001—Melianthaceae Horan. (1834).
- Menyanthales** Bercht. & J.Presl, *Přir. Rostlin* 1(115): 1. 1825 (Menyantheae), predates J.Presl in *Nowoèeská Bibl. [Wšobecný Rostl.]* 7: 1082. 1846—Menyanthaceae Dumort. (1829).
- Nelumbonales** Bercht. & J.Presl, *Přir. Rostlin* 1(1): 1. 1823 (Nelumbiaceae), predates Mart., *Consp. Regn. Veg.*: 38. September–October 1835—Nelumbonaceae A. Rich. (1827).
- Nepenthales** Bercht. & J.Presl, *Přir. Rostlin*: 267. January–April 1820 (Nepenthaceae), predates Dumort., *Anal. Fam. Pl.*: 14. 1829—Nepenthaceae Dumort. (1829).
- Nitrariales** Bercht. & J.Presl, *Přir. Rostlin*: 238. January–April 1820 (Nitrariae), predates Mart., *Consp. Regn. Veg.*: 52. September–October 1835—Nitrariaceae Lindl. (1830).
- Osmundales** Bercht. & J.Presl, *Přir. Rostlin*: 272. January–April 1820 (Osmundaceae), predates Link, *Hort. Berol.* 2: 138. July–December 1833—Osmundaceae Martinov (1820).
- Polypodiales** Bercht. & J.Presl, *Přir. Rostlin*: 272. January–April 1820 (Polypodiaceae), predates Link, *Hort. Berol.* 2: 5. July–December 1833—Polypodiaceae J.Presl & C.Presl (1822).
- Prunales** Bercht. & J.Presl, *Přir. Rostlin*: 230. January–April 1820 (Prunaceae)—Prunaceae Martinov (1820).
- Quercuales** Bercht. & J.Presl, *Přir. Rostlin*: 228. January–April 1820 (Quercinae), predates Burnett, *Outl. Bot.*: 523, 1090, 1141. February 1835—Quercaceae Martinov (1820).
- Resedales** Bercht. & J.Presl, *Přir. Rostlin*: 218. January–April 1820 (Resedaceae), predates Link, *Handbuch* 2:322. 4–11 July 1829—Resedaceae Martinov (1820).
- Roridulales** Bercht. & J.Presl, *Přir. Rostlin*: 217. January–April 1820 (Roridulae), predates Nakai, *Chosakuronbun Mokuroku [Ord. Fam. Trib. Nov.]*: 241. 20 July 1943—Roridulaceae Martinov (1820).
- Scleranthales** Bercht. & J.Presl, *Přir. Rostlin*: 240. January–April 1820 (Scleranthaeae), predates Link, *Handbuch* 2: 424. 4–11 July 1829—Scleranthaceae J.Presl & C.Presl (1822).
- Sesamales** Bercht. & J.Presl, *Přir. Rostlin*: 246. January–April 1820 (Sesamoideae)—Sesamaceae Horan. (1834).
- Swieteniales** Bercht. & J.Presl, *Přir. Rostlin*: 219. January–April 1820 (Swieteniae)—Swieteniaceae E.D.M.Kirchn. (1831).
- Taccales** Bercht. & J.Presl, *Přir. Rostlin*: 270. January–April 1820 (Taccaceae), predates Dumort., *Anal. Fam. Pl.*: 57. 1829—Taccaceae Dumort. 1829).
- Tamaricales** Bercht. & J.Presl, *Přir. Rostlin*: 233. January–April 1820 (Tamariscinae), predates Link, *Handbuch* 2: 46. 4–11 July 1829—Tamaricaceae Link (1821).

- Tamarindales** Bercht. & J.Presl, *Přir. Rostlin*: 230. January–April 1820 (Tamarindeae)—Tamarindaceae Martinov (1820).
- Taxales** Bercht. & J.Presl, *Přir. Rostlin*: 261. January–April 1820 (Taxeae), predates Link, *Handbuch* 2: 470. 4–11 July 1829—Taxaceae Gray (1822).
- Tropaeolales** Bercht. & J.Presl, *Přir. Rostlin*: 220. January–April 1820 (Tropaeoleae), predates Mart., *Consp. Regn. Veg.*: 49. September–October 1835—Tropaeolaceae Juss. ex DC. (1824).
- Viciales** Bercht. & J.Presl, *Přir. Rostlin*: 229. January–April 1820 (Viciae)—Viciaceae Oken (1826).
- Zanthoxylales** Bercht. & J.Presl, *Přir. Rostlin*: 227. January–April 1820 (Xanthoxyloae), predates J.Presl in *Nowoèeská Bibl. [Wšobecný Rostl.]* 7: 279, 280. 1846—Zanthoxylaceae Martinov (1820).

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- Berchtold, F.G.von & Presl, J.S. (1823–1825) *O. přirozenosti rostlin aneb roslinář, obsahugcej popsánj a wyobrazenj rostlin podlé rádů přorpczených zpořádené, s zewrubným vlastnostj, užitečností a šlpd;owpsto, obzwlástě wywodin a zlodin, spůsobu wydobýwánj, poslednjch dobroty a porušenosti neygistěgšjho poznánj a skaušenj, též spůsobu užitecných sánzenj chowánj a rozmnožowánj. Wstanowený pro lékaře, hogiče, hospodáře. Umělce, remeslnjky a wychowatele*. 2 vols. J. Krause, Prague.
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