

The Taxonomicon
Systema Naturae 2000

Classification of
Kingdom Plantae
(plants)
down to Phylum

Compiled by Drs. S.J. Brands
Universal Taxonomic Services

29 May 2023

Systema Naturae 2000

- Kingdom *Plantae* -

Kingdom *Plantae* Haeckel (1866) - plants

†"sporae dispersae"

1 Subkingdom *Rhodoplantae* G.W.Saunders & Hommers. (2004)

1 Phylum *Rhodophyta* Wettst. (1901) - red algae

2.1 Subkingdom *Glaucoplantae* B.Marin & Melkonian (2020)

1 Phylum *Glaucophyta* Skuja (1954)

2.2 Subkingdom *Viridiplantae* Caval.-Sm. (1981) - green plants

1 Phylum *Prasinodermophyta* B.Marin & Melkonian (2020) [coordinate rank]

2.1 Phylum *Chlorophyta* Pascher (1914) [coordinate rank] - green algae

2.2 Infrakingdom *Streptophyta* Caval.-Sm. (1993)

1.1 Phylum *Mesostigmatophyta* Doweld (2001)

1.2 Phylum *Chlorokybophyta* Doweld (2001)

2.1 Phylum *Klebsormidiophyta* Doweld (2001)

2.2 [crown] Clade *Phragmoplastophyta* Lecointre & Le Guyader 2006 [Hall, McCourt, Delwiche, Mishler & Karol 2020]

1 Phylum *Charophyta** Migula (1889)

2.1 Phylum *Coleochaetophyta** Doweld (2001)

2.2.1 Phylum *Zygnematophyta** J.H.Schaffn. (1922)

2.2.2 [crown] Clade *Embryophyta** Engler 1887 [Mishler & Qiu 2020]

1 Phylum *Bryophyta** A.Braun (1864) - bryophytes

2 Clade *Pan-Tracheophyta** Cantino & Donoghue 2007 [Cantino & Donoghue 2020]

1 [stem] Phylum †*Langiophytophyta* Doweld (2001)

1.n Clade *Apo-Tracheophyta** Cantino & Donoghue 2007 [Cantino & Donoghue 2020]

1 [stem] Phylum †*Rhyniophyta* Cronquist, Takht. & Zimmerm. (1966)

1.n [crown] Phylum *Tracheophyta** Sinnott ex Caval.-Sm. (1998) - vascular plants

Citation: Brands, S.J. (ed.), 2023. Classification of Kingdom *Plantae* (plants) down to Phylum. In *Systema Naturae 2000. The Taxonomicon*. Universal Taxonomic Services, Zwaag, The Netherlands, 29 May 2023. <<http://taxonomicon.taxonomy.nl/TaxonTree.aspx?src=0&id=3134>>

Sources

(Li, L., Wang, S., Wang, H., Sahu, S.K., Marin, B., Li, H., Xu, Y., Liang, H., Li, Z., Cheng, S., Reder, T., Çebi, Z., Wittek, S., Petersen, M., Melkonian, B., Du, H., Yang, H., Wang, J., Wong, G.K.-S., Xu, X., Liu, X., Van de Peer, Y., Melkonian, M. & Liu, H.), 2020b. *Taxonomic Diagnoses. Nat. Ecol. Evol.* **4**, Sep 2020: 1-3.

Cantino, P.D. & Donoghue, M.J., 2020. Pan-Tracheophyta P. D. Cantino and M. J. Donoghue in P. D. Cantino et al. (2007): 830 [P. D. Cantino and M. J. Donoghue], converted clade name. In K. de Queiroz, P.D. Cantino & J.A. Gauthier (eds.), *Phylonyms*. CRC Press, Boca Raton, 30 Apr 2020: [227]-228.

Cantino, P.D. & Donoghue, M.J., 2020. Apo-Tracheophyta P. D. Cantino and M. J. Donoghue in P. D. Cantino et al. (2007): E10 [P. D. Cantino and M. J. Donoghue], converted clade name. In K. de Queiroz, P.D. Cantino & J.A. Gauthier (eds.), *Phylonyms*. CRC Press, Boca Raton, 30 Apr 2020: [229]-230.

Doweld, A.B., 2001. *Prosyllabus Tracheophytorum*. GEOS, Moscow, (28 Dec) 2001: [1]-29-[32], I-LXXX, 33-110.

Guiry, M.D. & Guiry, G.M., 1996-present. *AlgaeBase*. World-wide electronic publication, National University of Ireland, Galway.

Hall, J.D., McCourt, R.M., Delwiche, C.F., Mishler, B.D. & Karol, K.G., 2020. Phragmoplastophyta G. Lecointre and H. Le Guyader 2006: 158 [J. D. Hall, R. M. McCourt, C. F. Delwiche, B. D. Mishler and K. G. Karol], converted clade name. In K. de Queiroz, P.D. Cantino & J.A. Gauthier (eds.), *Phylonyms*. CRC Press, Boca Raton, 30 Apr 2020: [195]-197.

Mishler, B.D. & Qiu, Y.-L., 2020. Embryophyta A. Engler and K. Prantl 1889 [B. D. Mishler and Y.-L. Qiu], converted clade name. In K. de Queiroz, P.D. Cantino & J.A. Gauthier (eds.), *Phylonyms*. CRC Press, Boca Raton, 30 Apr 2020: [211]-214.

Rees, T., Vandepitte, L., Vanhoorne, B & Decock, W., 2020. All genera of the world: an overview and estimates based on the March 2020 release of the Interim Register of Marine and Nonmarine Genera (IRMNG). *Megataxa* **1** (2), 31 Mar 2020: 123-140.

Ruggiero, M.A., Gordon, D.P., Orrell, T.M., Bailly, N., Bourgoin, T., Brusca, R.C., Cavalier-Smith, T., Guiry, M.D. & Kirk, P.M., 2015b. Correction: A Higher Level Classification of All Living Organisms. *PLoS ONE* **10** (6), 11 Jun 2015: 1-54.

Saunders, G.W. & Hommersand, M.H., 2004. Assessing red algal supraordinal diversity and taxonomy in the context of contemporary systematic data. *Amer. J. Bot.* **91** (10): 1494-1507.

Taylor, T.N., Taylor, E.L. & Krings, M., 2009. *Paleobotany*. Second Edition. Academic Press, Amsterdam etc.: [i]-xxi, 1-1230.

DISCLAIMER: This document is not published for nomenclatural purposes within the meaning of the International Code of Nomenclature for algae, fungi, and plants (ICN).