

The Taxonomicon
Systema Naturae 2000

Classification of
Phylum *Tracheophyta*
(plants)
down to Class

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

29 May 2023

Systema Naturae 2000

- Phylum *Tracheophyta* -

[Kingdom *Plantae* - plants]

Phylum *Tracheophyta** Sinnott ex Caval.-Sm. (1998) - vascular plants

1 Clade *Pan-Lycopodiophyta** Cantino & Donoghue 2007 [Cantino & Donoghue 2020]

1 [stem] Subphylum †*Zosterophyllophytina* H.P.Banks (1968)

1 Class †*Zosterophyllopsida** Foster & Gifford (1974)

2 Class †*Barinophytopsida* S.V.Meyen (1987)

1.n.1 [plesion] Class †*Drepanophycopsida* R.J. Rayner (1984)

1.n.2 [crown] Subphylum *Lycopodiophytina** Reveal (1996)

1 Class *Lycopodiopsida** Bartl. (1830)

2 Class *Isoetopsida* Rolle (1885)

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

1 [stem] Subphylum †*Trimerophytina* H.P.Banks (1975)

1 Class †*Trimerophytopsida** A.S.Foster & Gifford (1974)

1.n [crown] Clade *Euphylllophyta** Lecointre & Le Guyader 2006 [Cantino & Donoghue 2020]

1 Subphylum *Polypodiophytina** Reveal (1996)

1 Class *Polypodiopsida** Cronquist, Takht. & Zimmerm. (1966) - ferns

2 Clade *Pan-Spermatophyta** Cantino & Donoghue 2007 [Cantino, Doyle & Donoghue 2020]

1 [plesion] Class †*Stauropteridopsida* Doweld (2001)

2 Clade *Lignophyta** Crane & Kenrick 1997, nom. cl. inval.

1 Subphylum †*Aneurophytophytina* Doweld (2001)

1 Class †*Aneurophytopsida** Bierhorst ex Takht. (1978)

2.1.1 [plesion] Order †*Protopityales* Walton (1957)

2.1.2.1 [plesion] Order †*Cecropsidales* Stubblef. & G.W.Rothwell (1989)

2.1.2.2.1 Subphylum †*Archaeopteridophytina* Doweld (2001)

1 Class †*Archaeopteridopsida** Takht. (1978)

2.1.2.2.2 Subphylum †*Noeggerathiophytina* Boureau (1964)

1 Class †*Noeggerathiopsida** Krysht. (1934)

2.2 Clade *Apo-Spermatophyta** Cantino & Donoghue 2007 [Cantino, Doyle & Donoghue 2020]

1 Class †*Moresnetiopsida* Doweld (2001)

2 Class †*Lyginopteridopsida* Novák (1961)

3.1 Class †*Pachystestopsida* Doweld (2001)

3.2 Class †*Phasmatocycadopsida* Doweld (2001)

4 Class †*Arberiopsida* Doweld (2001)

5 [crown] Subphylum *Spermatophytina** Caval.-Sm. (1998) - seed plants

1 Class *Cycadopsida* Brongn. (1843)

2.1.1 Class †*Peltaspermopsida* Doweld (2001), sedis mutabilis

2.1.2 Class †*Dictyopteridiopsida* Doweld (2001), sedis mutabilis

2.1.3 Class †*Caytoniopsida* H.H.Thomas ex Frenguelli (1946), sedis mutabilis

2.2.1.1 Class †*Cycadeoideopsida* D.H.Scott (1923)

2.2.1.2 Class †*Pentoxyllopsida* D.D.Pant (1959)

2.2.2.1 Class *Ginkgoopsida* Engl. (1897), sedis mutabilis

2.2.2.2 Class *Pinopsida* Burnett (1835), sedis mutabilis

2.2.2.3.1 Clade *Pan-Gnetophyta* Doyle, Donoghue & Cantino 2007 [Doyle, Donoghue & Cantino 2020]

1 [plesion] Genus †*Xadzigaclax* Klymiuk, G.W.Rothwell & Stockey (2022)

2 [crown] Class *Gnetopsida** Eichler ex Kirpot. (1884)

2.2.2.3.2 Clade *Pan-Angiospermae* Cantino & Donoghue 2007 [Doyle, Cantino & Donoghue 2020]

1 ?Order †*Petriellales* T.N.Taylor, Fueyo & E.L.Taylor (1994)

2 [crown] Class *Magnoliopsida** Brongn. (1843)

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