

The Taxonomicon

Systema Naturae 2000

Classification of
Class *Bacillariophyceae*
(algae)
down to Family

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

18 Apr 2017

Systema Naturae 2000

- Class Bacillariophyceae -

[Kingdom *Chromista*: Phylum *Ochrophyta* - algae]

Class *Bacillariophyceae* Haeckel (1878) - pennates

- 1 Subclass *Urneidophycidae* Medlin (2016) - basal araphid diatoms
 - 1 Order *Rhaphoneidales* Round (1990)
 - 1 Family *Rhaphoneidaceae** Forti (1912)
 - 2 Family *Psammodiscaceae* Round & D.G. Mann (1990)
 - 2.1.1.1 Genus *Asteroplanus* C. Gardner & R.M. Crawford (1997)
 - 2.1.1.2 Genus *Asterionellopsis* Round (1990)
 - 2.1.2 Order *Plagiogrammales* Gogorev & Stepanova (2015)
 - 1 Family *Plagiogrammaceae** De Toni (1890)
 - 2.2.1 Order *Rhabdonematales* Round & R.M. Crawford (1990)
 - 1 Family *Rhabdonemataceae** Round & R.M. Crawford (1990)
 - 2 Family *Grammatophoraceae* Lobban & Ashworth (2014)
 - 2.2.2 Order *Striatellales* Round (1990)
 - 1 Family *Striatellaceae** Kütz. (1844)
- 2.1 Subclass *Fragilariophycidae* Round (1990) - core araphid diatoms
 - 1.1 Order *Fragilariales** P.C. Silva (1962)
 - 1 Family *Fragilariaceae** Grev. (1833)
 - 1.2 Order *Tabellariales* Round (1990)
 - 1 Family *Tabellariaceae** Kütz. (1844)
 - 1.3 Order *Licmophorales* Round (1990)
 - 1 Family *Licmophoraceae** Kütz. (1844)
 - 2 Order *Thalassionematales* Round (1990)
 - 1 Family *Thalassionemataceae** Round (1990)
 - 3 Order *Cyclophorales* Round & R.M. Crawford (1990)
 - 1 Family *Cyclophoraceae** Round & R.M. Crawford (1990)
 - 2 Family *Entopylaceae* Grunow (1862)
 - 4 Order *Climacospheniales* Round (1990)
 - 1 Family *Climacospheniaceae** Round (1990)
 - 5 Order *Protoraphidales* Round ex Gogorev (2015)
 - 1 Family *Protoraphidaceae** Simonsen (1970)
- 2.2 Subclass *Bacillariophycidae** D.G. Mann (1990) - raphid diatoms
 - 01 Order *Eunotiales* P.C. Silva (1962)
 - 1 Family *Eunotiaceae** Kütz. (1844)
 - 2 Family *Peroniaceae* (Karsten) Topachev'skyj & Oksiyuk (1960)
 - 02 Order *Lyrellales* D.G. Mann (1990)
 - 1 Family *Lyrellaceae** D.G. Mann (1990)
 - 03 Order *Mastogloiales* D.G. Mann (1990)
 - 1 Family *Mastogloiaceae** Mereschk. (1903)
 - 04 Order *Dictyoneidales* D.G. Mann (1990)
 - 1 Family *Dictyoneidaceae** D.G. Mann (1990)
 - 05 Order *Cymbellales* D.G. Mann (1990)
 - 1 Family *Rhoicospheniaceae* Chen & Zhu (1983)
 - 2 Family *Anomooneidaceae* D.G. Mann (1990)
 - 3 Family *Cymbellaceae** Grev. (1833)
 - 4 Family *Gomphonemataceae* Kütz. (1844)
 - 06 Order *Achnanthales* P.C. Silva (1962)
 - 1 Family *Achnanthaceae** Kütz. (1844)
 - 2 Family *Cocconeidaceae* Kütz. (1844)
 - 3 Family *Achnanthidiaceae* D.G. Mann (1990)
 - 07 Order *Naviculales* Bessey (1907)
 - 1 Suborder *Neidiineae* D.G. Mann (1990)
 - 01 Family *Berkeleyaceae* D.G. Mann (1990)
 - 02 Family *Cavinulaceae* D.G. Mann (1990)
 - 03 Family *Cosmioneidaceae* D.G. Mann (1990)
 - 04 Family *Scolioneidaceae* D.G. Mann (1990)
 - 05 Family *Diadesmidaceae* D.G. Mann (1990)
 - 06 Family *Amphipleuraceae* Grunow (1862)
 - 07 Family *Brachysiraceae* D.G. Mann (1990)
 - 08 Family *Neidiaceae** Mereschk. (1903)
 - 09 Family *Scoliotropidaceae* Mereschk. (1903)
 - 2 Suborder *Sellaphorineae* D.G. Mann (1990)
 - 1 Family *Sellaphoraceae** Mereschk. (1902)
 - 2 Family *Pinnulariaceae* D.G. Mann (1990)
 - 3 Suborder *Phaeodactylinae* J.C. Lewin (1958)
 - 1 Family *Phaeodactylaceae** J.C. Lewin (1958)
 - 4 Suborder *Diploneidinae* D.G. Mann (1990)
 - 1 Family *Diploneidaceae** D.G. Mann (1990)
 - 5 Suborder *Naviculineae** (Bessey) Hendey (1937)
 - 1 Family *Naviculaceae** Kütz. (1844)
 - 2 Family *Pleurosigmataceae* Mereschk. (1903)
 - 3 Family *Plagiotropidaceae* D.G. Mann (1990)

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- 4 Family *Stauroneidaceae* D.G. Mann (1990)
- 5 Family *Proschkiniaceae* D.G. Mann (1990)
- 08 Order *Thalassiophysales* D.G. Mann (1990)
 - 1 Family *Catenulaceae* Mereschk. (1902)
 - 2 Family *Thalassiophysaceae** D.G. Mann (1990)
- 09 Order *Bacillariales** Hendeby (1937)
 - 1 Family *Bacillariaceae** Ehrenb. (1831)
- 10 Order *Rhopalodiales* D.G. Mann (1990)
 - 1 Family *Rhopalodiaceae** (Karsten) Topachevs'kyj & Oksiyuk (1960)
- 11 Order *Surirellales* D.G. Mann (1990)
 - 1 Family *Entomoneidaceae* Reimer (1975)
 - 2 Family *Auriculaceae* Hendeby (1964)
 - 3 Family *Surirellaceae** Kütz. (1844)

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