

The Taxonomicon

Systema Naturae 2000

Classification of
Class *Dinophyceae*
(protists)
down to Family

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

18 Apr 2017

Systema Naturae 2000

- Class *Dinophyceae* -

[Kingdom *Chromista*: Phylum *Miozoa* - protists]

Class *Dinophyceae* Pascher (1914)

- 01 Genus †*Cobricosphaeridium* Harland & Sarjeant (1970), incertae sedis
- 02 Genus †*Diacrocanthidium* Deflandre & Foucher (1967), incertae sedis
- 03 Genus †*Prolixosphaeridium* Davey, Downie, Sarjeant & Williams (1966), incertae sedis
- 04 Genus †*Suibindia* Jingxian Yu (1982), incertae sedis
- 05 Genus †*Xylochoarion* Erkmen & Sarjeant (1978), incertae sedis
- 06 Genus *Berghiella* Kof. & J.R. Michener (1911), incertae sedis
- 07 Genus *Ceratoperidinium* Margalef ex A.R. Loeb. (1980), incertae sedis
- 08 Genus *Pseudoactiniscus* Bursa (1969), incertae sedis
- 09 Genus *Pyramidodinium* T. Horig. & C. Sukigara (2005), incertae sedis
- 10 Genus *Thaumatotodinium* Böhm (1933), incertae sedis
- 11 Order *Desmocapsales* Pascher (1914), incertae sedis
 - 1 Family *Desmocapsaceae** Pascher (1914)
- 12 Order *Haplozoona*les Poche (1913), incertae sedis
 - 1 Family *Haplozoaceae** Chatton (1920)
- 13.1.1 Order *Dinotrichales* Pascher (1914), incertae sedis
 - 1 Family *Crypthecodiniaceae* Biecheler ex Chatton (1952)
 - 2 Family *Dinotrichaceae** Pascher (1931)
- 13.1.2 Order *Dinococcales* Pascher (1914), incertae sedis
 - 1 Family *Phytodiniaceae** G.A. Klebs (1912)
 - 2.1 Family †*Suessiaceae* Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993)
 - 2.2 Family *Symbiodiniaceae* Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993)
- 13.2 Subclass *Gymnodiniphyceidae* Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993)
 - 1 Genus *Akashiwo* Gert Hansen & Moestrup (2000) [higher rank(s) implied]
 - 2.1 Order *Brachidinales* A.R. Loeb. ex Sournia (1984)
 - 1 Family *Brachidiniaceae** Sournia (1972)
 - 2.2.1 Order *Gymnodinales** Apstein (1909)
 - 01.1 Family *Chytriodiniaceae* Cachon & Cachon-Enj. (1968)
 - 01.2.1 Family *Gymnodiniaceae** Lank. (1885)
 - 01.2.2 Family *Warnowiaceae* Er. Lindem. (1928)
 - 02 Genus "*Genus of Gyrodinium dorsum*" F. Gómez (2012) [higher rank(s) implied]
 - 03 Genus *Togula* Flø Jørg., Sh. Murray & Daugbjerg (2004) [higher rank(s) implied]
 - 04 Genus *Apicoporus* S.F. Sparmann, B.S. Leander & Hoppenrath (2008) [higher rank(s) implied]
 - 05 Family "*Family of Amphidinium*" F. Gómez (2012)
 - 06 Genus *Cochlodinium* F. Schütt (1896) [higher rank(s) implied]
 - 07 Family "*Family of Gyrodinium*" F. Gómez (2012)
 - 08 Genus "*Genus of Amphidinium longum*" F. Gómez (2012) [higher rank(s) implied]
 - 09 Genus "*Genus of Amphidinium semilunatum*" F. Gómez (2012) [higher rank(s) implied]
 - 10 Genus *Balechina* Loeb. & A.R. Loeb. (1968) [higher rank(s) implied]
 - 11 Genus *Moestrupia* Gert Hansen & Daugbjerg (2011) [higher rank(s) implied]
 - 2.2.2 Order *Ptychodisciales* Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993)
 - 1 Family *Ptychodiscaceae** Lemmerm. (1899)
 - 14 Subclass *Peridiniphyceidae* Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993)
 - 01 ?Genus †*Lobionella* Batten & Lister (1988)
 - 02 ?Genus †*Orobodinium* Gocht & Wille (1990)
 - 03 ?Genus †*Tetranguladinium* Jingxian Yu, Mongrong Sun, Suying Sun & Shaozhi Mao (1983)
 - 04 Genus †*Apiculadinium* Jingxian Yu, Mongrong Sun, Suying Sun & Shaozhi Mao (1981), incertae sedis
 - 05 Genus †*Aquadulcum* Harland & Sarjeant (1970), incertae sedis
 - 06 Genus †*Dodekovia* Dörhöfer & Davies (1980), incertae sedis
 - 07 Genus †*Gorkadinium* Loeb. & A.R. Loeb. (1966), incertae sedis
 - 08 Genus †*Hebecysta* Bujak & Fisher (1976), incertae sedis
 - 09 Genus †*Heibergella* Bujak & Fisher (1976), incertae sedis
 - 10 Genus †*Lunatadinium* Brideaux & McIntyre (1973), incertae sedis
 - 11 Genus †*Mikropithon* Agelopoulos (1967), incertae sedis
 - 12 Genus †*Muiriella* Churchill & Sarjeant (1962), incertae sedis
 - 13 Genus †*Neuffenia* Brenner & Dürr (1986), incertae sedis
 - 14 Genus †*Opaeopsomus* Pocock (1972), incertae sedis
 - 15 Genus †*Palaeoglenodinium* Deflandre (1935), incertae sedis
 - 16 Genus †*Palaeohystrichodinium* Chengquan He, Shenzhao Zhu & Guangxing Jin (1989), incertae sedis
 - 17 Genus †*Palaeosphaerium* Górka (1965), incertae sedis
 - 18 Genus †*Palaeotetradinium* Deflandre (1936), incertae sedis
 - 19 Genus †*Pentafidia* Backhouse (1988), incertae sedis
 - 20 Genus †*Phallocysta* Dörhöfer & Davies (1980), incertae sedis
 - 21 Genus †*Pseudodeflandrea* Alberti (1959), incertae sedis
 - 22 Genus †*Pseudokomewuia* Chengquan He (1980), incertae sedis
 - 23 Genus †*Pseudostephodinium* Jingxian Yu, Mongrong Sun, Suying Sun & Shaozhi Mao (1981), incertae sedis
 - 24 Genus †*Stenopyxinium* Deflandre (1968), incertae sedis
 - 25 Genus †*Sverdrupiella* Bujak & Fisher (1976), incertae sedis
 - 26 Genus †*Vectensia* Batten & Lister (1988), incertae sedis
 - 27 Family †*Comparodiniaceae* Vozzhennikova (1979), incertae sedis
 - 28 Family †*Stephanelytracae* Stover, Sarjeant & Drugg (1977), incertae sedis

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- Class Dinophyceae -

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- 29 Family †**Dollidiniaceae** Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993), incertae sedis
30 Order **Gonyaulacales** F.J.R. Taylor (1980)
01 ?Genus †**Dissimulidinium** May, Stevens & Partridge (1987)
02 ?Genus †**Impletosphaeridium** Morgenroth (1966)
03 ?Genus †**Membranilarnacia** Eisenack (1963)
04 ?Genus †**Paucibucina** Jiabo (1978)
05 ?Genus †**Reticulatosphaera** Matsuoka (1983)
06 ?Genus †**Tetrachacysta** Backhouse (1988)
07 ?Genus †**Trigonopyxidia** Cookson & Eisenack (1961)
08 Genus †**Aiora** Cookson & Eisenack (1960), incertae sedis
09 Genus †**Amiculosphaera** Harland (1979), incertae sedis
10 Genus †**Atopodinium** Drugg (1978), incertae sedis
11 Genus †**Balcattia** Cookson & Eisenack (1974), incertae sedis
12 Genus †**Balteocysta** Stover & Evitt (1978), incertae sedis
13 Genus †**Batiacasphaera** Drugg (1970), incertae sedis
14 Genus †**Boreocysta** Stover & Evitt (1978), incertae sedis
15 Genus †**Bourkidinium** Morgan (1975), incertae sedis
16 Genus †**Bradleyella** Woollam (1983), incertae sedis
17 Genus †**Caligodinium** Drugg (1970), incertae sedis
18 Genus †**Carnarvonodinium** Parker (1988), incertae sedis
19 Genus †**Cassiculosphaeridia** Davey (1969), incertae sedis
20 Genus †**Cauca** Davey & Verdier (1971), incertae sedis
21 Genus †**Cerebrocysta** Bujak (1980), incertae sedis
22 Genus †**Chlamydothorella** Cookson & Eisenack (1958), incertae sedis
23 Genus †**Cirrusphaera** Monteil (1992), incertae sedis
24 Genus †**Cleistosphaeridium** Davey, Downie, Sarjeant & Williams (1966), incertae sedis
25 Genus †**Codoniella** Cookson & Eisenack (1961), incertae sedis
26 Genus †**Dapsilidinium** Bujak, Downie, Eaton & Williams (1980), incertae sedis
27 Genus †**Desmocysta** Duxbury (1983), incertae sedis
28 Genus †**Dingodinium** Cookson & Eisenack (1958), incertae sedis
29 Genus †**Distatodinium** Eaton (1976), incertae sedis
30 Genus †**Dorocysta** Davey (1970), incertae sedis
31 Genus †**Duosphaeridium** Davey & Williams (1966), incertae sedis
32 Genus †**Ellipsodinium** Clarke & Verdier (1967), incertae sedis
33 Genus †**Ellipsoidictyum** Klement (1960), incertae sedis
34 Genus †**Elytrocysta** Stover & Evitt (1978), incertae sedis
35 Genus †**Epiplosphaera** Klement (1960), incertae sedis
36 Genus †**Exochosphaeridium** Davey, Downie, Sarjeant & Williams (1966), incertae sedis
37 Genus †**Fistulacysta** Davey (1988), incertae sedis
38 Genus †**Flamingoia** Stevens & Helby (1987), incertae sedis
39 Genus †**Fusiformacysta** Morgan (1975), incertae sedis
40 Genus †**Gagiella** Backhouse (1988), incertae sedis
41 Genus †**Gardodinium** Alberti (1961), incertae sedis
42 Genus †**Gramocysta** Lund & Lund-Christensen (1990), incertae sedis
43 Genus †**Hapsidaulax** Sarjeant (1975), incertae sedis
44 Genus †**Heslertonia** Sarjeant (1966), incertae sedis
45 Genus †**Heterosphaeridium** Cookson & Eisenack (1968), incertae sedis
46 Genus †**Hurlandsia** Lister & Batten (1988), incertae sedis
47 Genus †**Indodinium** Kumar (1986), incertae sedis
48 Genus †**Jansonia** Pocock (1972), incertae sedis
49 Genus †**Labyrinthodinium** Piasecki (1980), incertae sedis
50 Genus †**Lacunodinium** He (1984), incertae sedis
51 Genus †**Laticavodinium** Wilson & Sarjeant (1984), incertae sedis
52 Genus †**Levisphaera** Davey (1988), incertae sedis
53 Genus †**Membranilarnax** Wetzel (1933), incertae sedis
54 Genus †**Mendicodinium** Morgenroth (1970), incertae sedis
55 Genus †**Microsphaeridium** Benedek (1972), incertae sedis
56 Genus †**Montanarocysta** Corradini (1973), incertae sedis
57 Genus †**Mooradinium** Backhouse (1988), incertae sedis
58 Genus †**Omatidium** Courtinat (1980), incertae sedis
59 Genus †**Pannosiella** Batten & Lister (1988), incertae sedis
60 Genus †**Papuadinium** Davey (1988), incertae sedis
61 Genus †**Parvocavatus** Gitmez (1970), incertae sedis
62 Genus †**Parvulodinium** Dodekova (1975), incertae sedis
63 Genus †**Paucisphaeridium** Bujak, Downie, Eaton & Williams (1980), incertae sedis
64 Genus †**Peridictyocysta** Cookson & Eisenack (1974), incertae sedis
65 Genus †**Phanerodinium** Deflandre (1937), incertae sedis
66 Genus †**Polygonifera** Habib (1972), incertae sedis
67 Genus †**Productodinium** Davey (1988), incertae sedis
68 Genus †**Raetiaedinium** Kirsch (1991), incertae sedis
69 Genus †**Raphidodinium** Deflandre (1936), incertae sedis
70 Genus †**Resticulasphaera** Harding (1998), incertae sedis
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- Class Dinophyceae -

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- 71 Genus †*Romanodinium* Baltes (1971), incertae sedis
 - 72 Genus †*Sahulidinium* Stover & Helby (1987), incertae sedis
 - 73 Genus †*Sokolovidinium* Lentin & Vozzhennikova (1990), incertae sedis
 - 74 Genus †*Spiniferopsis* He (1984), incertae sedis
 - 75 Genus †*Tanyosphaeridium* Davey & Williams (1966), incertae sedis
 - 76 Genus †*Valensiella* Eisenack (1963), incertae sedis
 - 77 Genus †*Warrenia* Monteil (1992), incertae sedis
 - 78 Genus †*Xiphophoridium* Sarjeant (1966), incertae sedis
 - 79 Genus *Amphidiniella* T. Horig. (1995), incertae sedis
 - 80 Genus *Halostylodinium* T. Horig. & Yoshizawa-Ebata (2000), incertae sedis
 - 81 Genus *Pileidinium* M. Tamura & T. Horig. (2005), incertae sedis
 - 82 Family *Thecadiniaceae* Balech (1956), incertae sedis
 - 83 Family †*Shublikodiniaceae* Wiggins (1973)
 - 84.1 Genus †*Rhiptocorys* Lejeune-Carpentier & Sarjeant (1983), incertae sedis
 - 84.2 Family †*Mancodiniaceae* Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993)
 - 84.3 Family †*Scrinocassiaceae* Sarjeant & Downie (1966)
 - 84.4 Family †*Lotharingiaceae* Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993)
 - 84.5 Family †*Pareodiniaceae* Gocht (1957)
 - 85 Family *Protoceratiaceae* Er. Lindem. (1928)
 - 86 Family *Ceratiaceae* Kof. (1907)
 - 87 Family *Ostreopsidaceae* Er. Lindem. (1928)
 - 88.1 Family †*Areoligeraceae* Evitt (1963)
 - 88.2 Family *Gonyaulacaceae** Er. Lindem. (1928)
 - 89 Family *Pyrocystaceae* (F. Schütt) Lemmerm. (1899)
 - 90 Family "*Family of Amylax*" F. Gómez (2012)
 - 31 Order *Peridinales** Haeckel (1894)
 - 01 Species *Gloeodinium marinum* Bouq. (1971), incertae sedis
 - 02 Genus *Adenoides* Balech (1956), incertae sedis
 - 03 Genus *Archaeosphaerodiniopsis* Rampi (1943), incertae sedis
 - 04 Genus *Bysmatrum* M.A. Faust & Steid. (1998), incertae sedis
 - 05 Genus *Peridiniella* Kof. & J.R. Michener (1911), incertae sedis
 - 06.1 Genus *Planodinium* R.D. Saunders & J.D. Dodge (1984), incertae sedis
 - 06.2 Genus *Sabulodinium* R.D. Saunders & J.D. Dodge (1984), incertae sedis
 - 07 Genus *Pseudothecadinium* Hoppenrath & M.S. Selina (2006), incertae sedis
 - 08 Genus *Thaurilens* Pavillard (1917), incertae sedis
 - 09 Genus *Thecadiniopsis* Croome, Hallegr. & P.A. Tyler (1987), incertae sedis
 - 10 Genus *Vulcanodinium* Nézan & Chomérat (2011), incertae sedis
 - 11.1 Genus †*Bellatudinium* Yu et al. (1981), incertae sedis
 - 11.2 Genus †*Octodinium* Wrenn & Hart (1988), incertae sedis
 - 11.3 Genus †*Umbodinium* Bint (1983), incertae sedis
 - 11.4 Genus *Cabra* Sh. Murray & D.J. Patterson (2004), incertae sedis
 - 11.5 Genus *Rhinodinium* Sh. Murray, Hoppenrath, S. Yoshimatsu, S. Toriumi & J. Larsen (2006), incertae sedis
 - 12 Family *Peridiniaceae** Ehrenb. (1831)
 - 13 Family *Heterocapsaceae* Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993)
 - 14 Family *Podolampadaceae* Er. Lindem. (1928)
 - 15 Family *Amphidiniopsidaceae* J.D. Dodge (1984)
 - 16.1 Family *Protoperidiniaceae* Balech (1988)
 - 16.2 Family *Diplopsaliaceae* Matsuoka (1988)
 - 17 Family *Heterodiniaceae* Er. Lindem. (1928)
 - 18.1 Family *Thoracosphaeraceae* J. Schiller (1930)
 - 18.2 Family *Oodiniaceae* Chatton (1920)
 - 18.3 Family *Glenodiniaceae* Wiley & Hickson (1909)
 - 19.1 Family *Oxytoxaceae* Er. Lindem. (1928)
 - 19.2 Genus *Corythodinium* Loeb. & A.R. Loeb. (1966) [higher rank(s) implied]
 - 20 Family *Amphidomataceae* Sournia (1984)
 - 21 Family *Cladopyxidaceae* F. Stein (1883)
 - 22 Family *Zooxanthellaceae* Hovasse & Teissier (1923)
 - 23 Family "*Family of Amphidoma caudata*" F. Gómez (2012)
 - 15.1 Family *Tovelliaceae* Moestrup, K.C.R. Lindberg & Daugbjerg (2005), incertae sedis
 - 15.2 Family *Woloszynskiaceae* Bourr. ex Starmach (1974), incertae sedis
 - 16 Family *Apodiniaceae* Chatton (1920), incertae sedis
 - 17 Order *Actiniscales* Sournia (1984)
 - 1 Family *Actiniscaceae** Kütz. (1844)
 - 2 Family *Dicroerismataceae* Fensome et al. (1993)
 - 18 Order *Amphilothes* Er. Lindem. (1928)
 - 1 Family *Amphilotheaceae** Kof. ex Poche (1913)
 - 19 Subclass *Dinophysiphycidae** Möhn ex Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993)
 - 1 Order †*Nannoceratopsiales* Piel & Evitt (1980)
 - 1 Family †*Nannoceratopsiaceae** Gocht (1970)
 - 2 Order *Dinophysales** Er. Lindem. (1928)
 - 1 Genus *Pseudophalacroma* Jørg. ex Lebour (1925) [higher rank(s) implied]
 - 2 Genus *Sinophysis* D.S. Nie & Chia C. Wang (1944) [higher rank(s) implied]
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- Class *Dinophyceae* -

- 3 Family ***Amphisoleniaceae*** Er. Lindem. (1928)
- 4 Family ***Oxyphysaceae*** Sournia (1984)
- 5 Family ***Dinophysaceae**** F. Stein (1883)
- 20 Subclass ***Prorocentrophycidae*** Fensome, F.J.R. Taylor, G. Norris, Sarjeant, Wharton & G.L. Williams (1993)
 - 1 Order ***Prorocentrales**** Lemmerm. (1910)
 - 1 Genus "***Genus of Prorocentrum panamense***" F. Gómez (2012) [higher rank(s) implied]
 - 2 Genus ***Plagiodinium*** M.A. Faust & Balech (1993) [higher rank(s) implied]
 - 3 Family ***Haplodiniaceae*** Er. Lindem. (1928)
 - 4 Family ***Prorocentraceae**** F. Stein (1883)
- 21 Order ***Blastodinales*** Chatton (1906)
 - 1 Family ***Blastodiniaceae**** Cavers (1913)

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Sources

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