

*The Taxonomicon*

*Systema Naturae 2000*

Classification of  
**Order *Boletales***  
(fungi)  
down to Genus

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

23 Nov 2020

# Systema Naturae 2000

## - Order *Boletales* -

[Kingdom *Fungi*: Phylum *Basidiomycota*: Class *Agaricomycetes* - fungi]

Order *Boletales* E.-J. Gilbert (1931)

- 1 Genus *Corditubera* Henn. (1897), incertae sedis
- 2 Genus *Corneromyces* Ginns (1976), incertae sedis
- 3 Genus *Marthanella* States & Fogel (1999), incertae sedis
- 4 Genus *Phaeoradulum* Pat. (1900), incertae sedis
- 5? Family *Protogastraceae* Zeller (1934)
  - 1 Genus *Protogaster*\* Thaxt. (1934)
- 6? Family *Rhizopogonaceae* Gäum. & C.W. Dodge (1928)
  - 1 Genus *Fevansia* Trappe & Castellano (2000)
  - 2 Genus *Rhizopogon*\* Fr. (1817)
  - 3 Genus *Rhopalogaster* J.R. Johnst. (1902)
- 7 Family *Tapinellaceae* C. Hahn (1999)
  - 1 Genus *Bondarcevomyces* Parmasto (1999)
  - 2 Genus *Pseudomerulius* Jülich (1979)
  - 3 Genus *Tapinella*\* E.-J. Gilbert (1931)
- 8.1.1 Family *Hygrophoropsidaceae* Kühner (1980)
  - 1 Genus *Hygrophoropsis*\* (J. Schröt.) Maire ex Martin-Sans (1929)
  - 2 Genus *Leucogyrophana* Pouzar (1958)
- 8.1.2 Family *Serpulaceae* Jarosch & Bresinsky (2001)
  - 1 Genus *Austropaxillus* Bresinsky & Jarosch (1999)
  - 2 Genus *Gymnopaxillus* E. Horak (1966)
  - 3 Genus *Serpula*\* (Pers.) Gray (1821)
- 8.2.1 Family *Coniophoraceae* Ulbr. (1928)
  - 1 Genus *Chrysoconia* McCabe & G.A. Escobar (1979)
  - 2 Genus *Coniophora*\* DC. (1815)
  - 3 Genus *Coniophoropsis* Hjortstam & Ryvarden (1986)
  - 4 Genus *Gyrodontium* Pat. (1900)
  - 5 Genus *Sedecula* Zeller (1941)
- 8.2.2.1.1 Family *Gomphidiaceae* Maire ex Jülich (1982)
  - 1 Genus *Chroogomphus* (Singer) O.K. Mill. (1964), nom. cons.
  - 2 Genus *Cystogomphus* Singer (1942)
  - 3 Genus *Gomphidius*\* Fr. (1836)
  - 4 Genus *Gomphogaster* O.K. Mill. (1973)
- 8.2.2.1.2 Family *Suillaceae* Besl & Bresinsky (1997)
  - 1 Genus *Psiloboletinus* Singer (1945)
  - 2 Genus *Suillus*\* P. Micheli ex Adans. (1763)
  - 3 Genus *Truncocolumella* Zeller (1939)
- 8.2.2.2.1.1 Family *Paxillaceae* Lotsy (1907)
  - 01 Genus *Alpova* C.W. Dodge (1931)
  - 02 Genus *Austrogaster* Singer (1962)
  - 03 Genus *Gyrodon* Opat. (1836), nom. cons.
  - 04 Genus *Hoehnelogaster* Lohwag (1926), nom. dub.
  - 05 Genus *Hydnomerulius* Jarosch & Besl (2001)
  - 06 Genus *Meiorganum* R. Heim (1966)
  - 07 Genus *Melanogaster* Corda (1831), nom. cons.
  - 08 Genus *Nealpova* Vizzini (2014)
  - 09 Genus *Paragyrodon* (Singer) Singer (1942)
  - 10 Genus *Paxillus*\* Fr. (1836)
- 8.2.2.2.1.2.1 Family *Boletinellaceae* P.M. Kirk, P.F. Cannon & J.C. David (2001)
  - 1 Genus *Boletinellus*\* Murrill (1909)
  - 2 Genus *Phlebopus* (R. Heim) Singer (1936)
- 8.2.2.2.1.2.2.1 Family *Gyroporaceae* Manfr. Binder & Bresinsky (2002)
  - 1 Genus *Gyroporus*\* Qué. (1886)
- 8.2.2.2.1.2.2.2.1 Family *Calostomataceae* E. Fisch. (1900)
  - 1 Genus *Calostoma*\* Desv. (1809)
- 8.2.2.2.1.2.2.2.2 Family *Sclerodermataceae* Corda (1842)
  - 1 Genus *Chlorogaster* Læssøe & Jalink (2004)
  - 2 Genus *Favillea* Fr. (1849)
  - 3 Genus *Horakiella* Castellano & Trappe (1992)
  - 4 Genus *Pisolithus* Alb. & Schwein. (1805)
  - 5 Genus *Scleroderma*\* Pers. (1801)
- 8.2.2.2.1.2.2.3? Family "*Diplocystidiaceae*" Kreisel (1974), orth. inval.
  - 1 Genus *Astraeus* Morgan (1889)
  - 2 Genus *Diplocystis*\* Berk. & M.A. Curtis (1869)
  - 3 Genus *Endogonopsis* R. Heim (1966)
  - 4 Genus *Tremellogaster* E. Fisch. (1924)
- 8.2.2.2.2 Family *Boletaceae*\* Chevall. (1826)
  - 01 Genus *Afroboletus* Pegler & T.W.K. Young (1981)
  - 02 Genus *Afrocastellanoa* M.E. Sm. & Orihara (2017)
  - 03 Genus *Alessioporos* Gelardi, Vizzini & Simonini (2014)
  - 04 Genus *Aureoboletus* Pouzar (1957)

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## - Order Boletales -

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- 05 Genus *Australopilus* Halling & N.A. Fechner (2012)  
06 Genus *Austroboletus* (Corner) Wolfe (1980)  
07 Genus *Baorangia* G. Wu & Zhu L. Yang (2015)  
08 Genus *Binderoboletus* T.W. Henkel & M.E. Sm. (2016)  
09 Genus *Boletellus* Murrill (1909)  
10 Genus *Boletochaete* Singer (1944)  
11 Genus *Boletus*\* L. (1753), nom. sanct., nom. cons.  
12 Genus *Borofutus* Hosen & Zhu L. Yang (2012)  
13 Genus *Bothia* Halling, T.J. Baroni & Manfr. Binder (2007)  
14 Genus *Buchwaldoboletus* Pilát (1969)  
15 Genus *Butyriboletus* D. Arora & J.L. Frank (2014)  
16 Genus *Caloboletus* Vizzini (2014)  
17 Genus *Carolinigaster* M.E. Sm. & S. Cruz (2018)  
18 Genus *Castellanea* T.W. Henkel & M.E. Sm. (2015)  
19 Genus *Chalciporus* Bataille (1908)  
20 Genus *Chamonixia* Rolland (1899)  
21 Genus *Chiua* Y.C. Li & Zhu L. Yang (2016)  
22 Genus *Corneroboletus* N.K. Zeng & Zhu L. Yang (2012), incertae sedis  
23 Genus *Costatisporus* T.W. Henkel & M.E. Sm. (2015)  
24 Genus *Crocinoletus* N.K. Zeng, Zhu L. Yang & G. Wu (2014)  
25 Genus *Cupreoboletus* Simonini, Gelardi & Vizzini (2015)  
26 Genus *Cyanoboletus* Gelardi, Vizzini & Simonini (2014)  
27 Genus *Durianella* Desjardin, A.W. Wilson & Manfr. Binder (2008)  
28 Genus *Erythrophylloporus* Ming Zhang & T.H. Li (2018)  
29 Genus *Fistulinella* Henn. (1901)  
30 Genus *Gastroboletus* Lohwag (1926)  
31 Genus *Gastroleccinum* Thiers (1989)  
32 Genus *Guyanaporus* T.W. Henkel & M.E. Sm. (2016)  
33 Genus *Gymnogaster* J.W. Cribb (1956)  
34 Genus *Harrya* Halling, Nuhn & Osmundson (2012)  
35 Genus *Heimioporus* E. Horak (2004)  
36 Genus *Heliogaster* Orihara & K. Iwase (2010)  
37 Genus *Hemileccinum* Sutara (2008)  
38 Genus *Hortiboletus* Simonini, Vizzini & Gelardi (2015)  
39 Genus *Hourangia* Xue T. Zhu & Zhu L. Yang (2015)  
40 Genus *Hymenoboletus* Y.C. Li & Zhu L. Yang (2016)  
41 Genus *Imleria* Vizzini (2014)  
42 Genus *Imperator* Koller, Assyov, Bellanger, Bertéa, Loizides, G. Marques, P.-A. Moreau, J.A. Muñoz, Oppicelli, D. Puddu & F. Rich. (2015)  
43 Genus *Indoporus* A. Parihar, K. Das, Hembrom & Vizzini (2018)  
44 Genus *Ionosporus* Khmeln. (2018)  
45 Genus *Jimtrappea* T.W. Henkel, M.E. Sm. & Aime (2015)  
46 Genus *Kombocles* Castellano, T.W. Henkel & Dentinger (2016)  
47 Genus *Lanmaoa* G. Wu, Zhu L. Yang & Halling (2015)  
48 Genus *Leccinellum* Bresinsky & Manfr. Binder (2003)  
49 Genus *Leccinum* Gray (1821)  
50 Genus *Mackintoshia* Pacioni & Sharp (2000)  
51 Genus *Mucilopilus* Wolfe (1979)  
52 Genus *Mycoamaranthus* Castellano, Trappe & Malajczuk (1992)  
53 Genus *Neoboletus* Gelardi, Simonini & Vizzini (2014)  
54 Genus *Nigroboletus* Gelardi, Vizzini, E. Horak, T.H. Li & Ming Zhang (2015)  
55 Genus *Octaviania* Vittad. (1831)  
56 Genus *Parvixerocomus* G. Wu & Zhu L. Yang (2015)  
57 Genus *Paxillogaster* E. Horak (1966)  
58 Genus *Phylloboletellus* Singer (1952)  
59 Genus *Phyllobolites* Singer (1942)  
60 Genus *Phylloporopsis* Angelini, A. Farid, Gelardi, M.E. Sm., Costanzo, & Vizzini (2018)  
61 Genus *Phylloporus* Qué. (1888)  
62 Genus *Porphyrellus* E.-J. Gilbert (1931)  
63 Genus *Pseudoaustroboletus* Y.C. Li & Zhu L. Yang (2014)  
64 Genus *Pseudoboletus* Sutara (1991)  
65 Genus *Pulchroboletus* Gelardi, Vizzini & Simonini (2014)  
66 Genus *Pulveroboletus* Murrill (1909)  
67 Genus *Retiboletus* Manfr. Binder & Bresinsky (2002)  
68 Genus *Rheubarbariboletus* Vizzini, Simonini & Gelardi (2015)  
69 Genus *Rhodactina* Pegler & T.W.K. Young (1989)  
70 Genus *Rossbeevera* T. Lebel & Orihara (2012)  
71 Genus *Royoungia* Castellano, Trappe & Malajczuk (1992)  
72 Genus *Rubroboletus* Kuan Zhao & Zhu L. Yang (2014)  
73 Genus *Rugiboletus* G. Wu & Zhu L. Yang (2015)  
74 Genus *Setogyroporus* Heinem. & Rammeloo (1982)  
75 Genus *Singerocomus* T.W. Henkel & M.E. Sm. (2016)
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- 76 Genus *Singeromyces* M.M. Moser (1966)
- 77 Genus *Soliococcus* Trappe, Osmundson, Manfr. Binder, Castellano & Halling (2013)
- 78 Genus *Spongiforma* Desjardin, Manfr. Binder, Roekring & Flegel (2009)
- 79 Genus *Spongispora* G. Wu, S.M.L. Lee, E. Horak & Zhu L. Yang (2018)
- 80 Genus *Strobilomyces* Berk. (1851)
- 81 Genus *Suillellus* Murrill (1909)
- 82 Genus *Sutorius* Halling, Nuhn & N.A. Fechner (2012)
- 83 Genus *Tengioboletus* G. Wu & Zhu L. Yang (2016)
- 84 Genus *Tubosaeta* E. Horak (1967)
- 85 Genus *Turmalinea* Orihara & N. Maek. (2015)
- 86 Genus *Tylocinum* Y.C. Li & Zhu L. Yang (2016)
- 87 Genus *Tylopilus* P. Karst. (1881)
- 88 Genus *Veloporphyrellus* L.D. Gómez & Singer (1984)
- 89 Genus *Wakefieldia* Corner & Hawker (1953)
- 90 Genus *Xanthoconium* Singer (1944)
- 91 Genus *Xerocomellus* Sutar (2008)
- 92 Genus *Xerocomus* Quéf. (1887), nom. cons.
- 93 Genus *Zangia* Y.C. Li & Zhu L. Yang (2011)
- 9? Family *Gasterellaceae* Zeller (1948)
  - 1 Genus *Gasterella*\* Zeller & L.B. Walker (1935)

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### Sources

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