

The Taxonomicon
Systema Naturae 2000

Classification of
Phylum *Basidiomycota*
(fungi)
down to Class

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

23 Nov 2020

Systema Naturae 2000

- Phylum Basidiomycota -

Phylum *Basidiomycota* R.T. Moore (1980) - basidiomycetes

- 01 ?Genus †*Pseudopolyporus* Hollick (1910)
- 02 Genus †*Mycetophagites* Poinar & R. Buckley (2007), incertae sedis
- 03 Genus †*Phellinites* Singer & S. Archang. (1958), incertae sedis
- 04 Genus *Anastomyces* W.P. Wu, B. Sutton & Gange (1997), incertae sedis
- 05 Genus *Arrasia* Bernicchia, Gorjón & Nakasone (2011), incertae sedis
- 06 Genus *Brevicellopsis* Hjortstam & Ryvarden (2008), incertae sedis
- 07 Genus *Celatogloea* P. Roberts (2005), incertae sedis
- 08 Genus *Cystogloea* P. Roberts (2006), incertae sedis
- 09 Genus *Neotyphula* Wakef. (1934), incertae sedis
- 10 Genus *Radulodontia* Hjortstam & Ryvarden (2008), incertae sedis
- 11 Genus *Restilago* Vánky (2008), incertae sedis
- 12 Genus *Anguillomyces* Marvanová & Bärli. (2000), incertae sedis
- 13 Anamorph genus *Arcispora* Marvanová & Bärli. (1998), incertae sedis
- 14 Anamorph genus *Bartheletia* G. Arnaud ex Scheuer, R. Bauer, M. Lutz, Stabenth., Melnik & Grube (2008), incertae sedis
- 15 Anamorph genus *Lactydina* Subram. (1978), incertae sedis
- 16 Anamorph genus *Microstella* K. Ando & Tubaki (1984), incertae sedis
- 17 Anamorph genus *Nodulospora* Marvanová & Bärli. (2000), incertae sedis
- 18 Anamorph genus *Stachycoremium* Seifert (1986), incertae sedis
- 19 Anamorph genus *Stauriella* Sivichai & E.B.G. Jones (2004), incertae sedis
- 20 Subphylum *Pucciniomycotina* R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw. (2006)
 - 1 Genus *Kryptastrina* Oberw. (1990), incertae sedis
 - 2 Genus *Paraphelaria* Corner (1966), incertae sedis
 - 3 Genus *Zygogloea* P. Roberts (1994), incertae sedis
 - 4 Class *Pucciniomycetes** R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw. (2006)
 - 5.1.1 Class *Cryptomycocolacomycetes* R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw. (2006)
 - 5.1.2.1 Class *Classiculomycetes* R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw. (2006)
 - 5.1.2.2 Class *Atractiellomycetes* R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw. (2006)
 - 5.2.1.1 Anamorph class *Mixiomycetes* R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw. (2006)
 - 5.2.1.2 Class *Microbotryomycetes* R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw. (2006)
 - 5.2.2.1.1 Class *Spiculogloeomycetes* Q.M. Wang, F.Y. Bai, M. Groenew. & Boekhout (2015)
 - 5.2.2.1.2 Class *Cystobasidiomycetes* R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw. (2006)
 - 5.2.2.2.1 Class *Tritirachiomycetes* Aime & Schell (2011)
 - 5.2.2.2.2 Class *Agaricostilbomycetes* R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw. (2006)
 - 21.1.1 Subphylum *Wallemiomycotina* Doweld (2014)
 - 1 Class *Wallemiomycetes** Zalar, de Hoog & Schroers (2005)
 - 21.1.2 Subphylum *Ustilaginomycotina* Doweld (2001)
 - 1 Class *Exobasidiomycetes* Begerow, M. Stoll & R. Bauer (2007) [paraphyletic]
 - 1.n1.1 Anamorph class *Malasseziomycetes* Denchev & T. Denchev (2014)
 - 1.n1.2 Anamorph class *Moniliellomycetes* Q.M. Wang, F.Y. Bai & Boekhout (2014)
 - 1.n2 Class *Ustilaginomycetes** R. Bauer, Oberw. & Vánky (1997) - smut fungi
 - 21.2 Subphylum *Agaricomycotina* Doweld (2001)
 - 1 Class *Tremellomycetes* Doweld (2001)
 - 2.1 Class *Dacrymycetes* Doweld (2001)
 - 2.2 Class *Agaricomycetes** Doweld (2001)

Citation: Brands, S.J. (ed.), 2020. Classification of Phylum *Basidiomycota* (fungi) down to Class. In *Systema Naturae 2000. The Taxonomicon*. Universal Taxonomic Services, Zwaag, The Netherlands, 23 Nov 2020. <<http://taxonomicon.taxonomy.nl/TaxonTree.aspx?src=0&id=2579>>

Sources

He, M.-Q., Zhao, R.-L., Hyde, K.D., Begerow, D., Kemler, M., Yurkov, A., McKenzie, E.H.C., Raspé, O., Kakishima, M., Sánchez-Ramírez, S., Vellinga, E.C., Halling, R., Papp, V., Zmitrovich, I.V., Buyck, B., Ertz, D., Wijayawardene, N.N., Cui, B.-K., Schouttetten, N., Liu, X.-Z., Li, T.-H., Yao, Y.-J., Zhu, X.-Y., Liu, A.-Q., Li, G.-J., Zhang, M.-Z., Ling, Z.-L., Cao, B., Antonín, V., Boekhout, T., Barbosa da Silva, B.D., De Crop, E., Decock, C., Dima, B., Dutta, A.K., Fell, J.W., Geml, J. et al. 2019. Notes, outline and divergence times of Basidiomycota. *Fungal Diversity* 99: 105-367.

Kirk, P.M., Cannon, P.F., Minter, D.W. & Stalpers, J.A. (eds.) 2008. *Ainsworth & Bisby's Dictionary of the Fungi*. 10th Edition. CABI Europe - UK: [i]-xi, [1]-771.

Wijayawardene, N.N., Hyde, K.D., Tibpromma, S., Wanasinghe, D.N., Thambugala, K.M., Tian, Q., Wang, Y. & Fu, L. 2017. Towards incorporating asexual fungi in a natural classification: checklist and notes 2012-2016. *Mycosphere* 8 (9), 18 Oct 2017: 1457-1555.

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