

## Outlineoffungi.org - Note 1517 *Auriporiaceae*

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*Auriporiaceae* B.K. Cui, Shun Liu & Y.C. Dai

The monotypic family *Auriporiaceae* was introduced to accommodate *Auriporia* Ryvarden. as the type genus according to morphological characteristics and the concatenated sequence dataset of nLSU, nSSU, mtSSU, TEF1, RPB1, and RPB2 (Liu et al. 2023). The family *Climacocystaceae* is characterized by annual basidiocarps that are resupinate or pileate, with poroid hymenophores. The hyphal system can be monomitic or dimitic, featuring clamped generative hyphae. Cystidia are usually present, while cystidioles may be absent. The basidiospores are allantoid, cylindrical to ellipsoid, colorless, thin-walled, smooth, and exhibit reactions of IKI– and CB–, causing brown rot (Liu et al. 2023). The family *Auriporiaceae* is classified under *Polyporales*, *Agaricomycetes*, *Agaricomycotina*, and *Basidiomycota* (Liu et al. 2023). Current phylogenetic analyses with nLSU, nSSU, mtSSU, TEF1, RPB1, and RPB2 sequences indicate that *Sarcoporiaceae* is closely related to *Auriporiaceae*, *Dacryobolaceae*, and *Taiwanofungaceae*. *Auriporiaceae* is morphologically distinct due to its hyphal system, which can be monomitic or dimitic, and its thin-walled basidiospores (Liu et al. 2023).

### Reference

Liu S, Chen YY, Sun YF, He XL, et al. 2023 – Systematic classification and phylogenetic relationships of the brown-rot fungi within the *Polyporales*. *Fungal diversity* 118(1), 1–94.

### Entry by

**Maryam Tavakol Noorabadi**, Innovative Institute for Plant Health, Zhongkai University of Agriculture and Engineering, Guangzhou 510225, People’s Republic of China

(Edited by **Kevin D Hyde**)

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