

Outlineoffungi.org - Note 1389 *Tropicoporia*

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Tropicoporia B.K. Cui & Xing Ji

Ji et al. (2023) introduced *Tropicoporia* under *Polyporaceae* (*Polyporales*, *Agaricomycetes*, *Agaricomycotina*, *Basidiomycota*) to accommodate four species based on morphological characteristics and phylogenetic analysis using ITS, LSU, SSU, *tef1*, and *tbb1* sequence data. This genus was typified by *Tropicoporia aridula* (B.K. Cui & C.L. Zhao) B.K. Cui & Xing Ji, was found on the fallen angiosperm trunk in China. The other three species include *T. brasiliensis* (C.R.S. de Lira, A.M.S. Soares, Ryvar den & Gibertoni) B.K. Cui & Xing Ji, *T. centraliafricana* (Decock & Mossebo) B.K. Cui & Xing Ji, and *T. vanhulleae* (Decock & Ryvar den) B.K. Cui & Xing Ji. In the genus basidiocarps are annual to perennial and mainly resupinate. The hyphal system is dimitic to trimitic and generative hyphae have clamp connections. Basidiospores are generally ellipsoid to subglobose in shape, truncate, hyaline, thick-walled, smooth, and dextrinoid. *Tropicoporia* was considered closely related to *Sparsitubus*, before being tentatively grouped with *Dendroporia*, although this grouping had a weak support based on phylogeny using *tef1*, *rpb2*, and ITS sequence data. Regarding morphology, *Sparsitubus* is distinguished from *Tropicoporia* by its effused-reflexed to pileate basidiocarps, along with asperulate and non-truncate basidiospores. On the other hand, *Dendroporia* differs from *Tropicoporia* due to its pore surface being gray to pale brown, dextrinoid skeletal hyphae, and non-dextrinoid basidiospores (Ji et al. 2023).

Reference

Ji X, Sun YF, Wu DM, Gao N et al. 2023 – An updated phylogenetic assessment and taxonomic revision of *Perenniporia* sensu lato (*Polyporales*, *Basidiomycota*). *Journal of Fungi* 9(2), 173.

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