

## Outlineoffungi.org - Note 1520 *Taiwanofungaceae*

**Web-links:** [Index Fungorum](#), [Facesoffungi](#), [MycoBank](#), [GenBank](#)

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

*Taiwanofungaceae* was erected to accommodate *Taiwanofungus* Sheng H. Wu, Z.H. Yu, Y.C. Dai & C.H. Su as the type genus and *Taiwanofungus camphoratus* (M. Zang & C.H. Su) Sheng H. Wu, Z.H. Yu, Y.C. Dai & C.H. Su as the type species according to morphological characteristics and a concatenated dataset of ITS, Nlsu, nSSU, mtSSU, tef1, *rpb1*, and *rpb2* (Liu et al. 2023). The genus *Taiwanofungus* is found to be closely related to the genera *Auriporia*, *Dacryobolus*, and *Sarcoporia*, which correspond to the *Auriporiaceae*, *Dacryobolaceae*, and *Sarcoporiaceae* families, respectively. From a morphological view, *Taiwanofungus* is distinct owing to its perennial and resupinate-reflexed to pileate basidiocarps, as well as a hyphal system that ranges from dimitic to trimitic, characterized by nodose-septate generative hyphae and slightly amyloid skeletal hyphae. Additionally, *Taiwanofungus* species exhibit varied morphologies and are relatively distant from the currently recognized families within the *Polyporales* (Liu et al. 2023). In *Taiwanofungaceae*, the basidiocarps are characterized by their perennial nature, displaying a range of forms including resupinate, effused-reflexed, or pileate shapes. Their texture varies from corky to woody hard. Hymenophores are poroid. Hyphal system is dimitic to trimitic. Generative hyphae are nodose-septate. Cystidia are absent, cystidioles are present or absent. Basidiospores are cylindrical-shaped, colorless, thin-walled, smooth, IKI–, and CB–. The members of this family are noted for their ability to cause brown rot (Liu et al. 2023). The taxonomic placement of *Taiwanofungaceae* is in *Polyporales*, *Agaricomycetes*, *Agaricomycotina*, and *Basidiomycota* (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**)

Published online 26 August 2024