

Outlineoffungi.org - Note 1385 *Umbellus*

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

Umbellus Xue W. Wang & L.W. Zhou

Wang & Zhou (2023) introduced *Umbellus* under *Umbellaceae* (*Hymenochaetales*, *Agaricomycetidae*, *Agaricomycetes*, *Basidiomycota*) to accommodate four species based on morphology and phylogenetic analysis using SSU, ITS, LSU, mt-SSU, and *rpb2* sequence data. The new genus was typified by *Umbellus sinensis* Xue W. Wang & L.W. Zhou, was isolated from the fallen branch of an angiosperm in China. In this genus basidiomes are annual, adnate, and resupinate. The hyphal system is monomitic and generative hyphae have clamp connections. Basidia have four sterigmata. Basidiospores are hyaline, smooth, thin-walled, and indextrinoid. Additionally, *Umbellus* can be identified by the capitate cystidia that have umbrella-shaped crystalline heads. Initially, it was believed that only three species of *Tubulicrinis* viz. *T. corneri*, *T. hamatus*, and *T. umbraculus*, possessed such cystidia. Consequently, despite the absence of molecular sequences for *T. corneri*, *T. hamatus*, and *T. umbraculus* for phylogenetic studies, these three species have been reclassified under *Umbellus* due to their distinct cystidia, which are exclusive to this genus from now on ([Wang & Zhou 2023](#)).

Reference

Wang XW, Zhou LW. 2023 – *Umbellaceae* fam. nov. (*Hymenochaetales*, *Basidiomycota*) for *Umbellus sinensis* gen. et sp. nov. and Three New Combinations. *Journal of Fungi* 10(1), 22.

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 **Subodini N. Wijesinghe**)

Published online 31 May 2024