

Outlineoffungi.org - Note 1403 *Conoloma*

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

Conoloma Zhu L. Yang & G.S. Wang

Wang et al. (2023) introduced the monotypic genus *Conoloma* based on morphological characters and phylogenetic analyses using ITS, LSU, *rpb2*, and *tef1- α* sequence data. The new genus is classified under *Phyllotopsidaceae* (*Agaricales*, *Agaricomycetidae*, *Agaricomycetes*, *Agaricomycotina*, *Basidiomycota*). The type species is *Conoloma mucronatum* (Zhu L. Yang & G.S. Wang) Zhu L. Yang & G.S. Wang and it was found on rotten wood above the ground or buried substrates in China. In *Conoloma*, basidioma is a tricholomoid with cylindrical to clavate basidia. Basidiospores are small, globose to ellipsoid, hyaline, smooth, and non-amyloid. Cheilocystidia and clamp connections are present (Wang et al. 2023). Phylogenetically, *Conoloma* formed a sister clade with *Tricholomopsis*. Morphologically, *Conoloma* is distinguished from *Tricholomopsis* by having a mucronate umbo of the pileus, a fibrillose annuliform-shaped zone on the upper part of the stem, and smaller cheilocystidia.

Reference

Wang GS, Cai Q, Hao YJ, Chen ZH et al. 2023 – Phylogenetic and taxonomic updates of *Agaricales*, with an emphasis on *Tricholomopsis*. *Mycology* 8, 1–30.

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 18 June 2024