

Outlineoffungi.org - Note 972 *Effusomyces*

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Effusomyces Yue Li, Nakasone & S.H. He

The genus *Effusomyces* Yue Li, Nakasone & S.H. He belongs to the family *Cystostereaceae* (*Agaricales*, *Basidiomycota*). This monotypic genus type is *Effusomyces thailandicus* Yue Li, Nakasone & S.H. He. Based on ribosomal ITS and LSU sequence data Li et al. (2022) proposed the genus *Effusomyces* which is phylogenetically distinct from its sister genus *Crustomyces*. It grows on dead bamboo or angiosperm branches and has only been reported from Thailand. The basidiomes are annual, resupinate, widely effuse and inseparable from the substrate. The hymenophore is smooth, pale yellow or greyish yellow, with a monomitic hyphal system and clamped generative hyphae. The distinctive characteristics of this genus are the small basidia producing very large, thin-walled basidiospores and the absence of gloeocystidia, which most members of *Cystostereaceae* possess. They also have very inconspicuous hyphidia that are easily overlooked.

Reference

Li Y, Nakasone KK, Chen C-C, Zhao C-L, Cao T, Yuan H-S, He S-H. 2022. Taxonomy and phylogeny of *Cystostereaceae* (*Agaricales*, *Basidiomycota*): A new genus, five new species, and three new combinations. *Journal of Fungi* 8(11), 1229. <https://doi.org/10.3390/jof8111229>

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