

Outlineoffungi.org - Note 1345 *Macrosporia*

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Macrosporia B.K. Cui & Xing Ji

The new monotypic genus *Macrosporia* (*Polyporaceae*, *Polyporales*, *Agaricomycetes*, *Agaricomycotina*, *Basidiomycota*) was established by Ji et al. (2023) to accommodate *M. nanlingensis* (B.K. Cui & C.L. Zhao) B.K. Cui & Xing Ji based on morphology and phylogeny. *Macrosporia nanlingensis* was found on the dead angiosperm tree in China. In this genus, basidiocarps are annual, resupinate, and adnate. The subiculum is cream to buff. The hyphal system is trimitic and generative hyphae have clamp connections. Cystidia is absent, but cystidioles are present. Basidiospores are ellipsoid, truncate, hyaline, thick-walled, and smooth (Ji et al. 2023). *Macrosporia* was formed a sister clade with three genera *Abundisporus*, *Niveoporia*, and *Perenniporia subtephropora* using ITS, LSU, SSU, *tef1*, and *tbb1* sequence data. *Macrosporia nanlingensis* was identified as a distinct clade separate from the *Perenniporia* s. s. clade. It can be distinguished morphologically from *Perenniporia* s. s. by having annual and resupinate basidiocarps, larger basidiospores, and cinnamon-buff pore surfaces (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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