

Outlineoffungi.org - Note 1097 *Magnostiolata*

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Magnostiolata Samarak. & K.D. Hyde

Magnostiolata was established by Samarakoon et al. (2022) with *Magnostiolata mucida* Samarak. & K.D. Hyde as the type species based on morphology and phylogenetic analysis of combined ITS, LSU, *rpb2*, *tub2*, *tef1* and SSU sequence data. The type species was found as saprobic on dead bamboo branches from Nan Province in Thailand. *Magnostiolata* has immersed, black ascomata, with inverted funnel-shaped ostiolar canals, beneath a black clypeus, 8-spored asci, with J+, apical ring, unitunicate, and brown to dark brown, aseptate, oblong to broadly ellipsoidal ascospores with a germ slit on ventral side, mostly with a large guttule and a wing-shaped mucilaginous sheath (Samarakoon et al. 2022). *Magnostiolata* is similar to anthostomella-like taxa in having immersed ascomata under a black clypeus, unitunicate asci with a J+, apical ring and brown, ellipsoidal ascospores with a germ slit. However, it differs from anthostomella-like taxa in having funnel-shaped ostiolar canals, filled with amorphous cells and ascospores covered with a wing-shaped mucilaginous sheath. Furthermore, the multilocus phylogeny demonstrates that it formed a distinct clade from *Anthostomelloides* species.

Reference

Samarakoon MC, Hyde KD, Maharachchikumbura SS, Stadler M et al. 2022 – Taxonomy, phylogeny, molecular dating and ancestral state reconstruction of *Xylariomycetidae* (*Sordariomycetes*). *Fungal Diversity*, 112(1), 1–88.
<https://link.springer.com/article/10.1007/s13225-021-00495-5>

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Published online 15 May 2023