

Outlineoffungi.org - Note 1018 *Sublophiostomataceae*

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Sublophiostomataceae Hongsanan, Phookamsak, K.D. Hyde & Cheewangkoon,

Hongsanan et al. (2021) introduced the novel family, *Sublophiostomataceae* to accommodate the monotypic genus *Sublophiostoma* which was found from *Poaceae* in northern part of Thailand. The generic type resembles several genera in *Lophiostomataceae* based on its ascomata and asci (Tanaka et al. 2015, Hashimoto et al. 2018, Hongsanan et al. 2021). Phylogenetic analyses using combined ITS, LSU, *rpb2*, SSU, and *tef-1 α* indicated that *Sublophiostoma* formed a distinct clade outside the suborders *Massarinae* and *Pleosporinae*, but within *Pleosporales* (Hongsanan et al. 2021). There is only one epithet, *S. thailandica* Phookamsak, Hongsanan, Goonas. & K.D. Hyde is listed in Species Fungorum (Species Fungorum 2023). *Sublophiostomataceae* can be distinguished by subglobose to hemisphaerical ascomata, with crest-like ostioles, a peridium with cells of *textura angularis* or *textura epidermoidea*, cylindric-clavate asci with a bulbous or foot-like narrow pedicel, and hyaline, fusiform, 1-septate ascospores surrounded by a large mucilaginous sheath. The asexual morph has been reported in axenic condition as coelomycetous-like (Hongsanan et al. 2021).

References

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Entry by

Chayanard Phukhamsakda, Center of Excellence in Fungal Research, Mae Fah Luang University, Chiang Rai 57100, Thailand

(Edited by **Kevin D. Hyde & Maryam Tavakol Noorabadi**)

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