

Outlineoffungi.org - Note 1080 *Phallogastraceae*

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Phallogastraceae Castellano, T. Lebel, Davoodian & K. Hosaka

Davoodian et al. (2021) revised *Hysterangiales* based on the morphological and molecular phylogenetic analysis with *atp6* and *tef1* sequence data. The phylogenetic analysis results showed two species previously named *Trappea pinyonensis* States and *Hysterangium phillipsii* Harkn. formed a clade separated from all other known families in *Hysterangiales*. *Phallogastraceae* is proposed to name this clade with the type genus *Phallogaster* Morgan. So far, there are two species accepted in this genus *Phallogaster pinyonensis* (States) K. Hosaka, Castellano, Davoodian & T. Lebel and *P. phillipsii* (Harkn.) K. Hosaka, Castellano, Davoodian & T. Lebel. Species of this family have sequestered basidiomes with white rhizomorphs. They are saprotrophic, occurring on decaying wood or leaves, or partially buried in litter (Davoodian et al. 2021).

Reference

Davoodian N, Lebel T, Castellano MA, Hosaka K. 2021– *Hysterangiales* revisited, expanded phylogeny reveals new genera and two new suborders. *Fungal Systematics and Evolution*, 8(1), 65–80. <https://doi.org/10.3114/fuse.2021.08.06>

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