

Outlineoffungi.org - Note 1375 *Sporocybomyces*

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Sporocybomyces H. Maia

Xavier-Leite et al. (2023) introduced *Sporocybomyces* under *Gomphillaceae* (*Graphidales*, *Ostropomycetidae*, *Lecanoromycetes*, *Pezizomycotina*, *Ascomycota*) to accommodate the lichenized fungal species based on morphological characters and phylogeny using SSU and LSU sequence data. This genus was typified by *Sporocybomyces pulcher* H. Maia. = *Sporocybomyces leucotrichoides* (Vain.) Xavier-Leite, M. Cáceres & Lücking. The thallus is continuous, finely verrucose, and typically devoid of sterile setae. The apothecia are adnate and appear spot-like (*Echinoplaca* style). The ascospores are large and exhibit transverse septation to muriform. The hyphophores are short, setiform-shaped, blunt, and white with darkened apices. The diaphyphae are filamentous, featuring clavate to sausage, and multi-septate end segments. Phylogenetically, *Sporocybomyces* is distinct from the *Echinoplaca leucotrichoides* clade (Xavier-Leite et al. 2022).

References

- Xavier-Leite AB, Goto BT, Lücking R, da Silva Cáceres ME. 2023 – New genera in the lichenized family *Gomphillaceae* (*Ascomycota*: *Graphidales*) focusing on neotropical taxa. *Mycological Progress* 22(12), 88.
- Xavier-Leite AB, da Silva Cáceres ME, Aptroot A, Moncada B et al. 2022 – Phylogenetic revision of the lichenized family *Gomphillaceae* (*Ascomycota*, *Graphidales*) suggests post-K–Pg boundary diversification and phylogenetic signal in asexual reproductive structures. *Molecular Phylogenetics and Evolution* 168, 107380.

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(Edited by **Subodini N. Wijesinghe**)

Published online 31 May 2024