

## Outlineoffungi.org - Note 1380 *Psathyromyces*

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### *Psathyromyces* Bat. & Peres

Xavier-Leite et al. (2023) introduced *Psathyromyces* under *Gomphillaceae* (*Graphidales*, *Ostropomycetidae*, *Lecanoromycetes*, *Pezizomycotina*, *Ascomycota*) to accommodate two species lichenized fungal species based on morphology and phylogeny using SSU and LSU sequence data. This genus was typified by *Psathyromyces rosacearum* Bat. & Peres. = *Psathyromyces heterellus* (Stirt.) Xavier-Leite, M. Cáceres & Lücking. *Psathyromyces planus* (Vězda) Xavier-Leite, M. Cáceres & Lücking is another species of this genus. In *Psathyromyces*, the thallus is continuous and smooth with white setae. The apothecia are flattened, biatorine, and orange. The ascospores are small and muriform. The hyphophores are long, white, and setiform, with arrow-like, and blackened apex. The diaphyphae are moniliform. This genus is revived to accommodate *Aderkomyces heterellus* aggregate, distinct from *Aderkomyces* s. str. (Xavier-Leite et al. 2022) and differs in apothecial color, notably in the elongated, arrow hyphophores (Lücking et al. 2005).

### References

- Lücking R, Sérusiaux E, Vězda A. 2005 – Phylogeny and systematics of the lichen family *Gomphillaceae* (*Ostropales*) inferred from cladistic analysis of phenotype data. *The Lichenologist* 37(2), 123–170.
- 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.
- 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.

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Published online 31 May 2024