

Outlineoffungi.org - Note 1535 *Basidiodesertica*

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Basidiodesertica Maharachch., Wanas. & Al-Sadi

Corticaceae, Corticiales, Agaricomycetidae, Agaricomycetes, Agaricomycotina, Basidiomycota, asexual genus, sexual morph unknown. This is a monotypic hyphomycetous genus found on dead plant leaves in Oman deserts and is saprotrophic. The type species is *B. hydei* Maharachch., Wanas. & Al-Sadi. So far only a sequence from nSSU is available. Phylogenetic analyses of the family Corticiaceae based on the combined ITS, nLSU, nSSU, and mtSSU sequences placed *B. hydei* sister to *Tretopileus sphaerophorus* (Berk. and M. A. Curtis) S. Hughes & Deighton. The genus was characterized by cylindrical to subulate synnemata, with a pink stroma at base, and by producing brown multicellular conidia (Maharachchikumbura et al. 2021). Phylogenetically, *Basidiodesertica* together with *T. sphaerophorus* and *Giulia* Tassi form a clade containing saprotrophic, non-lichenicolous taxa in the Corticiaceae family, all known only from their asexual state (Ghobad-Nejhad et al. 2021).

References

- Ghobad-Nejhad M, Langer E, Nakasone K, Diederich P, Nilsson RH, Rajchenberg M, Ginns J. 2021 – Digging Up the Roots: taxonomic and phylogenetic disentanglements in *Corticaceae* ss (*Corticiales*, *Basidiomycota*) and Evolution of Nutritional Modes. *Frontiers in Microbiology* 12, 704802.
- Maharachchikumbura SS, Wanasinghe DN, Cheewangkoon R, Al-Sadi AM. 2021 – Uncovering the hidden taxonomic diversity of fungi in Oman. *Fungal Diversity* 106(1), 229–268.

Entry by

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