

Outlineoffungi.org - Note 1158 *Psychrophila*

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Psychrophila M.M. Wang & Xing Z. Liu

Psychrophila is an illegitimate name (Art. 53.1, homonym, non *Psychrophila* (DC.) Bercht. & J. Presl 1823 (*Ranunculaceae*) originally proposed for three species cultured from substrates from very cold habitats. Two of the species are known only from sterile cultures, the third has a simple *Phialophora*-like morphology (Wang et al. 2015). A fourth space named later was from a similar very cold habitat (Untereiner et al. 2019). The genus was placed in *Arachnopezizaceae* by Untereiner et al. (2019). This was supported by the analysis in Johnston (2022), although few genes are available for *Psychrophila*, and although sister to the main *Arachnopezizaceae* clade, it is on a long branch. Its position needs to be confirmed with additional molecular data.

References

- Johnston PR. 2022 – *Leotiomycetes* phylogeny updated. Manaaki Whenua – Landcare Research Datastore. <https://doi.org/10.7931/gx9a-c781>
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- Wang M, Jiang X, Wu W, Hao Y et al. 2015 – Psychrophilic fungi from the world's roof. *Persoonia-Molecular Phylogeny and Evolution of Fungi* 34(1), 100–112. <https://doi.org/10.3767/003158515X685878>

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