

Outlineoffungi.org - Note 1048 *Peribolospora*

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Peribolospora Witfeld, M. A. Guerreiro, H.D.T. Nguyen, Begerow

Peribolospora was introduced by Witfeld et al. (2023) to accommodate *P. baueri* as the type species based on morphological characteristics and phylogenomics. *Peribolospora kevripleyi* is the other species accepted in the genus. The type species was isolated from soil associated with a stand of *Pinus resinosa* in Canada. In morphology, the chlamydospores are hyaline and triangular-shaped. Basidiomata or basidiospores are not seen. The conidia are sympodial, hyaline, and ovoid. By analyzing protein-coding genes, orthology analysis, and septal pore in the type species, the *Peribolosporomycetes* is placed within *Ustilaginomycotina*. The taxonomic placement of *Peribolospora* is in *Peribolosporaceae*, *Peribolosporales*, *Peribolosporomycetes*, and *Basidiomycota*.

Reference

Witfeld F, Guerreiro MA, Nitsche F, Wang QM et al. 2023 – *Peribolosporomycetes* class. nov. description of a new heat resistant and osmotolerant basidiomycete lineage, represented by *Peribolospora* gen. nov., *P. kevripleyi* sp. nov., and *P. baueri* sp. nov. *Mycological Progress* 22(4), 30. <https://doi.org/10.1007/s11557-023-01879-4>

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