

## Outlineoffungi.org - Note 1355 *Peribolosporomycetes*

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***Peribolosporomycetes*** Witfeld, M.A. Guerreiro, H.D.T. Ngyuen & Begerow

*Peribolosporomycetes* was introduced by Witfeld et al. (2023) to accommodate *Peribolospora* species. A phylogeny of 38 protein-coding genes, orthology analysis, and septal pore type analysis revealed a new genus, *Peribolospora*, with *P. baueri* Witfeld, M.A. Guerreiro, H.D.T. Ngyuen & Begerow as the type species, within *Peribolosporaceae*, *Peribolosporales*, and *Peribolosporomycetes*. Phylogenetically, *Peribolosporomycetes* forms a sister lineage to all other members of *Ustilaginomycotina* (Witfeld et al. 2023). Currently, *Peribolosporomycetes* consists of only one order, *Peribolospora*.

### 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, 30.

### Entry by

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