

Outlineoffungi.org - Note 1294 *Solomyces*

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Solomyces Zhi Y. Zhang, Y.F. Han & Z.Q. Liang

Known only from cultures isolated from soil, *Solomyces* species are morphologically similar to *Geomyces* and the asexual morphs of *Pseudogymnoascus* (Zhang et al. 2020). The genera are phylogenetically distinct and differ also in the arrangement of their conidiogenous cells and conidia (Zhang et al. 2020). Zhang et al. (2020) place their new genus in *Thelebolaceae*, regarding *Pseudeurotiaceae* as a synonym of *Thelebolaceae*. Later analyses (e.g. Johnston 2022, Quijada et al. 2022) accept the two families as taxonomically as well as phylogenetically distinct, and using this concept, *Solomyces* is *Pseudeurotiaceae*.

References

- Johnston PR. 2022 – *Leotiomyces* phylogeny updated. Manaaki Whenua – Landcare Research Datastore. <https://doi.org/10.7931/gx9a-c781>
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- Zhang Z, Dong C, Chen W, Mou Q, et al. 2020 – The Enigmatic *Thelebolaceae* (*Thelebolales*, *Leotiomyces*): one new genus *Solomyces* and five new species. *Frontiers in Microbiology* 11, 572596

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