

Outlineoffungi.org - Note 1293 *Solenopeziaceae*

Web-links: [Index Fungorum](#), [Facesoffungi](#), [Mycobank](#), [GenBank](#)

Solenopeziaceae Ekanayaka & K.D. Hyde

Ekanayaka et al. (2019) established *Solenopeziaceae* as a formal name for a clade basal to *Hyaloscyphaceae*, earlier recognized as morphologically and phylogenetically distinct from *Hyaloscyphaceae* by Han et al. (2014, as Clade 10) and Baral (in Jaklitsch et al. 2016), but not formally named in these earlier studies. However, when erecting *Solenopeziaceae*, Ekanayaka et al. (2019) included two phylogenetically distinct sets of genera, those accepted by Johnston & Baschien (2020) as *Solenopeziaceae* — *Lasiobelonium*, *Solenopezia*, *Trichopeziza* and *Trichopezizella*, along with those accepted by Johnston & Baschien (2020) as *Tricladiaceae*, a clade basal to *Helotiaceae* (see separate note). Morphologically, apothecia of the genera in *Solenopeziaceae* differ from *Tricladiaceae* in having conspicuous, smooth-walled hairs, a *Calycina*-like ascus apex, and lacking the morphologically complex asexual spores characteristic of *Tricladiaceae*.

References

- Ekanayaka AH, Hyde KD, Gentekaki E, McKenzie EHC, et al. 2019 – Preliminary classification of *Leotiomycetes*. *Mycosphere* 10, 310–489.
- Han JG, Hosoya T, Sung GH, et al. 2014 – Phylogenetic reassessment of *Hyaloscyphaceae* sensu lato *Helotiales* (*Leotiomycetes*) based on multigene analyses. *Fungal Biology* 118, 150–167.
- Jaklitsch W, Baral HO, Lücking R, et al., 2016 – Syllabus of Plant Families - A. Engler's Syllabus der Pflanzenfamilien Part 1/2. 13th edn. Borntraeger Science Publishers, Germany.
- Johnston PR, Baschien C. 2020 – *Tricladiaceae* fam. nov. (*Helotiales*, *Leotiomycetes*). *Fungal Systematics and Evolution* 6, 233–242.

Entry by

P.R. Johnston, Manaaki Whenua – Landcare Research, Private Bag 92170, Auckland 1142, New Zealand

Edited by **Maryam Tavakol Noorabadi**

Published online 16 May 2024