

Outlineoffungi.org – Note 1605 *Parvocarpum*

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Parvocarpum Magurno

The new monospecific genus was introduced by Tedersoo et al. (2024) based on the phylogenetic placement of *Glomus badium* (Oehl, D. Redecker & Sieverd; synonym *Funneliformis badius* C. Walker & A. Schüßler) whose relationship with the other genera in *Glomeraceae* was still unresolved. The etymology refers to the small size (*parvus*) of fruiting bodies (*carpum*) produced. The species was described producing glomoid spores in compact and small glomerocarps around a central plexus of interwoven hyphae with short and cylindrical subtending hyphae. The analysis of Tedersoo et al. (2024), supported by eDNA long reads and sequences of all described *Glomeromycota* species, arranged *Parvocarpum* in a supported clade populated by *Rhizoglomus*, *Sclerocystis*, *Silvaspora*, *Halonatospora*, *Oehlia* and numerous other undescribed potential new genera.

References

Tedersoo L, Magurno F, Alkahtani S, Mikryukov V et al. 2024 – Phylogenetic classification of arbuscular mycorrhizal fungi: new species and higher-ranking taxa in *Glomeromycota* and *Mucoromycota* (class *Endogonomycetes*). *MycKeys*, 107, 249–271.

Entry by

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