

Outlineoffungi.org - Note 1333 *Caleniella*

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Caleniella Xavier-Leite, M. Cáceres & Lücking

Caleniella, a genus within *Gomphillaceae* (*Graphidales*, *Ostropomycetidae*, *Lecanoromycetes*, *Pezizomycotina*, *Ascomycota*), was established to accommodate two lichenized fungal species. The new genus was typified by *Caleniella triseptata* (Vain.) Xavier-Leite, M. Cáceres & Lücking and *C. maculans* (Zahlbr.) Xavier-Leite, M. Cáceres & Lücking is the other accepted species. This taxonomic delineation was based on comprehensive morphological assessments and robust phylogenetic analyses utilizing SSU, LSU, and ribosomal RNA sequence data. (Xavier-Leite et al. 2023). *Caleniella* has a continuous and verrucose thallus and lacks setae. The apothecia are erumpent and zeorine (*Calenia* type). The ascospores are small and three-septate. The hyphophores are unknown. *Caleniella triseptata* is related to *Caleniopsis* and *Aulaxina*, but it shows significant differences in thallus and apothecial structure and does not have hyphophores. The primary distinction from *Calenia* s.str., which is not closely linked, lies in the small ascospores with three septa (Xavier-Leite et al. 2023).

Reference

Xavier-Leite AB, Goto BT, Lücking R, da Silva Cáceres ME. 2023 – New genera in the lichenized family *Gomphillaceae* (*Ascomycota*, *Graphidales*) focusing on neotropical taxa. *Mycological Progress* 22(12), 88.

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