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[Polyschismium](#) Corda

The genus was proposed by Corda (1842) to accommodate *Leangium trevelyanii*, a species with a peculiar star-like peridium dehiscence. The species was long considered to belong to the genus *Diderma*, but was moved to *Lepidoderma* in 2002 (Poulain et al. 2002). The most recent revision of the genus *Lepidoderma* involving two-gene phylogeny and detailed morphological analysis (Ronikier et al. 2022) showed that *L. trevelyanii* forms a monophyletic group together with other representatives of the genus, while the type species of the genus, *L. tigrinum* clusters together with *Diderma* species. Accordingly, the old genus *Polyschismium* was re-erected and nine species were transferred from *Lepidoderma* to *Polyschismium* (Ronikier et al. 2022). Another four *Lepidoderma* species were transferred to *Polyschismium* by Prikhodko et al. (2022), who also transferred *L. tigrinum* to the genus *Diderma*.

**References**

- [Corda ACI. 1842. Icones fungorum hucusque cognitorum. Vol. 5. Czechia: Apud. G. Calve. p. 92 + 10 pl.](#)
- [Poulain M, Meyer M, Bozonnet J. 2002b. Deux espèces nouvelles de myxomycètes \*Lepidoderma alpestroides\* et \*Lepidoderma perforatum\*. Bulletin trimestriel de la Fédération mycologique et botanique Dauphiné-Savoie. 165, 5–18.](#)
- [Ronikier A, Janik P, de Haan M, Kuhnt A, Zankowicz M. 2022. Importance of type specimen study for understanding genus boundaries—taxonomic clarifications in \*Lepidoderma\* based on integrative taxonomy approach leading to resurrection of the old genus \*Polyschismium\*, \*Mycologia\*, 114:6, 1008-1031.](#)
- [Prikhodko IS, Shchepin ON, Bortnikova NA, Novozhilov YK, Gmshinskiy VI, Moreno G, López-Villalba Á, Stephenson SL, Schnittler M. 2023. A three-gene phylogeny supports taxonomic rearrangements in the family Didymiaceae \(Myxomycetes\). \*Mycol Progress\* 22: 11.](#)

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