

Outlineoffungi.org - Note 212, [Hispidopannaria](#)

[Hispidopannaria](#) Elvebakk et al.

Based on phylogenetic analyses of the ITS, nuclear large subunit rRNA, mitochondrial small subunit rRNA, and MCM7 genes, species previously treated as *Pannaria hispidula* and *P. isabellina* were shown to represent two new *Pannariaceae* genera, [Hispidopannaria](#) and *Phormopsora*. [Hispidopannaria](#) differs from *Pannaria* in having large, geotropically arranged, hispid squamules, IKI+ internal ascus structures, and perispores with irregular pulvinate verrucae and apical extensions ([Elvebakk et al. 2020](#)) (M. Erdoğan).

Reference

Elvebakk A, Hong SG, Park CH. 2020 – *Hispidopannaria* and *Phormopsora*, two new and small, but evolutionary old *Pannariaceae* lichen genera from southern South America. *Mycological Progress* 19, 1353–1364. [Doi 10.1007/s11557-020-01632-1](https://doi.org/10.1007/s11557-020-01632-1)