

Outlineoffungi.org - Note 1222 *Luteoperenniporia*

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Luteoperenniporia B.K. Cui & Xing Ji

Ji et al. (2023) introduced *Luteoperenniporia* within *Polyporaceae* (*Polyporales*, *Agaricomycetes*, *Basidiomycota*) segregated from *Perenniporia* Murrill. The latter has been described as a polyphyletic genus within the core polyporoid clade (Robledo et al. 2009, Zhao et al. 2013). *Luteoperenniporia* was typified by *L. bannaensis* (B.K. Cui & C.L. Zhao) B.K. Cui & Xing Ji, a new combination from *Perenniporia bannaensis* B.K. Cui & C.L. Zhao. Both genera, *Luteoperenniporia* and *Perenniporia* s. s. are very similar, but *Luteoperenniporia* differs mainly by its buff-yellow to cinnamon-buff pore surfaces and non-truncate basidiospores. Furthermore, it differs from other genera within the core polyporoid clade by its resupinate basidiocarps with buff-yellow to cinnamon-buff pore surface, a dimitic hyphal system with weak to strong dextrinoid skeletal hyphae, cystidioles present, and thick-walled, ellipsoid, and non-truncate, dextrinoid basidiospores (Ji et al. 2023). Four species have been proposed in *Luteoperenniporia* (three new combinations have been formed from *Perenniporia*) based on morphological characteristics and molecular data of ITS, LSU, SSU, *tef1*, and *TBB1* sequences. Molecular analyses of the above multi-locus sequence dataset show the species of *Luteoperenniporia* form a sister clade with *Perenniporia* s.s. (Ji et al. 2023).

References

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