

## Outlineoffungi.org - Note 1387 *Rhizoperenniporia*

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### *Rhizoperenniporia* B.K. Cui & Xing Ji

Ji et al. (2023) introduced *Rhizoperenniporia* under *Polyporaceae* (*Polyporales*, *Incertae sedis*, *Agaricomycetes*, *Agaricomycotina*, *Basidiomycota*) to accommodate *R. japonica* (Yasuda) B.K. Cui & Xing Ji as a monotypic species based on morphology and phylogenetic analysis using ITS, LSU, SSU, *tef1*, and *tbb1* sequence data. *Rhizoperenniporia japonica* was found on a rotten wood of *Vitex* and a fallen trunk of *Lonicera* in China. In the type species, basidiocarps are annual to perennial and resupinate. The dissepiments are thick and entire. The subiculum is thin and creamy. The hyphal system is dimitic and generative hyphae have clamp connections. Skeletal hyphae and basidiospores are dextrinoid. Cystidia are absent, but cystidioles and rhizomorphs are present. Basidiospores are ellipsoid-shaped, truncate, hyaline, thick-walled, and smooth. Phylogenetically, *Perenniporiopsis* is a sister clade with *Rhizoperenniporia* based on the analysis using ITS, LSU, SSU, *tef1*, and *tbb1* sequence data. *Phizoperenniporia japonica* displays basidiocarps with rhizomorphs that distinguish it from other species of *Perenniporia* s. s. (Ji et al. 2023).

### References

Ji X, Sun YF, Wu DM, Gao N et al. 2023 – An updated phylogenetic assessment and taxonomic revision of *Perenniporia* sensu lato (*Polyporales*, *Basidiomycota*). *Journal of Fungi* 9(2), 173.

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