

## Outlineoffungi.org - Note 1215 *Cystidioporia*

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***Cystidioporia*** B.K. Cui & Xing Ji

This monotypic genus originated from *Perenniporia* Murrill, and was typified by *Cystidioporia piceicola* (Y.C. Dai) B.K. Cui & Xing Ji. *Cystidioporia* is characterized by resupinate basidiomata with slightly dextrinoid and cyanophilous skeletal hyphae, the presence of thick-walled cystidia, and thick-walled, oblongellipsoid, truncate, slightly dextrinoid, and cyanophilous basidiospores (Ji et al. 2023). In terms of the ecology and geographic distribution of the genus, the specimens of *C. piceicola* are found on fallen trunks of *Picea* D. Don and *Abies* D. Don ex Loudon species in boreal forests (near the Himalayan mountains) in southwestern China (Dai et al. 2002, Ji et al. 2023). According to molecular analysis of the multi-locus dataset (ITS, LSU, SSU, *tef1*, TBB1), *Cystidioporia* forms a monophyletic group closely related to *Truncospora* Pilát, *Rhizoperenniporia* B.K. Cui & Xing Ji and *Perenniporiopsis* C.L. Zhao in the “Core polyporoid clade” (Ji et al. 2023). However, these three genera are differentiated from *Cystidioporia* by their hymenium without thick-walled cystidia (Decock et al. 2011, Wu et al. 2017, Ji et al. 2023). Additionally, *Truncospora* and *Perenniporiopsis* have pileate basidiomata, and *Rhizoperenniporia* presents basidiomata with rhizomorphs (Decock et al. 2011, Wu et al. 2017, Ji et al. 2023). From a nomenclatural and taxonomic point of view, *Cystidioporia* is placed in *Polyporaceae* and, *Polyporales* (Ji et al. 2023).

### References

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