

## Outlineoffungi.org - Note 1538 *Sertulicium*

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*Sertulicium* Spirin, Volobuev & K.H. Larss.

Family *incertae sedis*, Trechisporales, Agaricomycetidae, Agaricomycetes, Agaricomycotina, Basidiomycota, asexual morph unknown. This is a corticioid genus found on rotten wood of deciduous trees and conifers, apparently with a worldwide distribution, saprotrophic. Phylogenetic analyses based on ITS and LSU indicated its phylogenetic position in Trechisporales, and sister to the clade of *Sistotremastrum* s. str.; family assignment was delayed for further studies. Type species is *Sertulicium niveocreameum* (Höhn. & Litsch.) Spirin & K.H. Larss. The genus was characterized by effused, very thin basidiomata, smooth hymenophore (except in *S. limonadense* (G. Gruhn & P. Alvarado) Z.B. Liu & Yuan Yuan), clamped hyphae, 4–6 sterigmate basidia normally not collapsing at the apex, and narrowly ellipsoid to cylindrical basidiospores. *Sertulicium* currently contain seven species (Spirin et al. 2021; Liu et al. 2022), but according to the phylogenetic analyses, the genus is expected to include several more species (Spirin et al. 2021). Morphological characterization of *Sertulicium* species towards *Sistotremastrum* s. str. is still difficult (Spirin et al. 2021).

### References

- Liu ZB, Wu YD, Zhao H, Lian YP, et al. 2022 – Outline, divergence times, and phylogenetic analyses of *Trechisporales* (*Agaricomycetes*, *Basidiomycota*). *Frontiers in Microbiology* 13, 818358.
- Spirin V, Volobuev S, Viner I, Miettinen O, et al. 2021 – On *Sistotremastrum* and similar-looking taxa (*Trechisporales*, *Basidiomycota*). *Mycological Progress* 20(4), 453–476.

### Entry by

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