

## Outlineoffungi.org - Note 1418 *Mycogloicolax*

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### *Mycogloicolax* Schoutteten & Rödel

Schoutteten et al. (2023) introduced the monotypic genus *Mycogloicolax* within *Mycogloicolacaceae* (*Incertae sedis*, *Microbotryomycetes*, *Basidiomycota*) to accommodate *Mycogloicolax gerardii* Schoutteten & Rödel as the type species. The type species was discovered on the basidiome of *Xenasmatella tulasnelloidea* in Germany. This classification is based on morphological characteristics and phylogenetic analyses utilizing a concatenated dataset of ITS, LSU, SSU, *rpb1*, *rpb2*, *tef1-α*, and *cyt-b* sequences. Given the widespread distribution of the host fungus, it is likely that this mycoparasite has a broader geographical range than currently recognized and may be present in several other European countries. In this genus, basidiomata, hyphidia, and cystidia are absent. The hyphae are hyaline, thin-walled, smooth, and clamped at all septa. Basidia are cylindrical to tubular-clavate, basally clamped, and thin-walled. Basidiospores are fusiform to amygdaliform, asymmetric, smooth, and hyaline. Conidia are ellipsoid to subfusiform and thin-walled. Colacosomes are scattered, with no vesicular gall-like cells observed (Schoutteten et al. 2023).

### References

Schoutteten N, Yurkov A, Leroux O, Haelewaters D et al. 2023 – Diversity of colacosome-interacting mycoparasites expands the understanding of the evolution and ecology of *Microbotryomycetes*. *Studies in Mycology* 106(1), 41–94.

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