

## Outlineoffungi.org - Note 1053 *Karstiomyces*

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***Karstiomyces*** J.F. Zhang & K.D. Hyde

The monotypic genus *Karstiomyces* was established by Zhang et al. (2023) to accommodate *Karstiomyces guihzouensis* J.F. Zhang & K.D. Hyde based on morphology and phylogeny (LSU, ITS, SSU, TEF1- $\alpha$ , and Rpb2 sequence data). *K. guihzouensis* was isolated from the dead culm of herbaceous plant in China. In the sexual form, ascomata are immersed, and solitary to gregarious. Asci are eight-spored, bitunicate, fssitunicate, and cylindrical-shaped with pale brown-colored and septate ascospores. The sexual structure has not been observed. Phylogenetically, *Karstiomyces* clustered sister to *Pseudopassalora*. *Karstiomyces* can be distinguished from eight genera of *Eriomycetaceae* by its multi-septate, brown ascospores and the distinctive texture and shape of the peridium. The taxonomic placement of *Karstiomyces* is an uncertain position within *Pezizomycotina*

### Reference

Zhang JF, Liu JK, Hyde KD, Chen YY et al 2023 – Ascomycetes from karst landscapes of Guizhou Province, China. *Fungal Divers* 122(1), 1–60.

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