

Outlineoffungi.org - Note 681 - *Kazuakitanaka*

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Kazuakitanaka Wanas.

Kazuakitanaka was introduced by [Wanasinghe et al. \(2022\)](#) in *Sulcatissporaceae* (*Massarineae*, *Pleosporales*) to accommodate two species *K. lancangensis* Wanas. and *K. yuxiensis* Wanas. These species are saprobic on unidentified woody substrates in terrestrial habitats ([Tanaka et al. 2015](#)). *Kazuakitanaka* species have been so far recorded only from China. Both sexual and asexual morphs are recorded for the genus, and the sexual morph is characterized by semi-immersed, coriaceous, dark brown to black, ostiolate ascomata, bitunicate, cylindric-clavate, asci with an ocular chamber and hyaline, fusiform, 1–2-septate ascospores with a distinct mucilaginous sheath. The asexual morph is coelomycetous which comprises hyaline, 1–3-septate, fusiform conidia with conical ends. *Kazuakitanaka* is sister to *Pseudobambusicola* in the phylogenetic analysis of combined LSU, SSU, ITS, *tef1* and *rpb2* loci. Species of this genus morphologically resemble *Parasulcatisspora* ([Phukhamsakda et al. 2020](#)) and *Sulcatisspora* ([Tanaka et al. 2015](#)) with its cylindric-clavate asci and fusiform, 1-septate hyaline ascospores. However, these genera are phylogenetically distant ([Wanasinghe et al. 2022](#)). Although this is a well-established genus in the family *Sulcatissporaceae*, further collections and host identification are crucial to have a clear understanding of the genus.

References

- Phukhamsakda C, McKenzie EH, Phillips AJ, Jones EGB et al. 2020 – Microfungi associated with *Clematis* (Ranunculaceae) with an integrated approach to delimiting species boundaries. *Fungal Diversity* 102, 1–203. <https://doi.org/10.1007/s13225-020-00448-4>
- Tanaka K, Hirayama K, Yonezawa H, Sato G et al. 2015 – Revision of the *Massarineae* (*Pleosporales*, *Dothideomycetes*). *Studies in Mycology* 82, 75–136. <https://doi.org/10.1016/j.simyco.2015.10.002>
- Wanasinghe DN, Ren GC, Xu JC, Cheewangkoon R, Mortimer PE. 2022 – Insight into the taxonomic resolution of the Pleosporalean species associated with dead woody litter in natural forests from Yunnan, China. *Journal of Fungi* 8, 375. <https://doi.org/10.3390/jof8040375>

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