

## Outlineoffungi.org - Note 1221 *Keraliethelia*

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***Keraliethelia*** P. Correia, E. Azevedo & M.F. Caeiro

*Keraliethelia* was introduced by Correia et al. (2023) to accommodate *K. pulchella*, (Kohlm., I. Schmidt & Nair) P. Correia, E. Azevedo & M.F. Caeiro based on morphology and phylogeny (ITS and LSU data sequences). The genus is placed in *Halosphaeriaceae*, *Microascales*, *Hypocreomycetidae*, *Sordariomycetes*, *Ascomycota* (Correia et al. 2023). This new monotypic genus is known by its sexual and asexual morphs. The sexual morph produces superficial, to immersed, carbonaceous, black, subglobose papillated ascomata with an irregular surface. The peridium consists of two layers, with the outer layer composed of relatively globose cells and the inner layer consisting of elongated cells. Paraphyses are absent and the center of ascomata is occupied by cylindrical, fusiform, short-pedicellate, unitunicate asci. The asci deliquesce and liberate eight, hyaline, fusiform to slightly curved ascospores. The ascospores are 7-septate, constricted at each septum, and have blunt apices. They have secondary appendages that develop from the outer layer of each spore. The asexual morph consists of hyaline and cylindrical conidiophores. The conidia are tetra- to polyradiate, multicellular, and hyaline to light brown, with dark and bulbous cells at the base and crowns bearing diverging arms (Correia et al. 2023). Above mentioned morphological characteristics make *K. pulchella* considerably different from other members of the genus *Corollospora* (Abdel-Wahab et al. 2009). More taxon sampling and additional loci from protein-coding genes in phylogenetic analysis are necessary to gain a comprehensive understanding of the genus *Keraliethelia* (Correia et al. 2023).

### References

- Abdel-Wahab MA, Nagahama T, Abdel-Aziz FA. 2009 – Two new *Corollospora* species and one new anamorph based on morphological and molecular data. *Mycoscience* 50, 147–155. <https://doi.org/10.1007/s10267-008-0466-9>
- Correia P, Azevedo E, Caeiro MF. 2023 – Redefining the Genus *Corollospora* based on morphological and phylogenetic approaches. *Journal of Fungi* 9, 841–882. <https://doi.org/10.3390/jof9080841>

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