

Outlineoffungi.org - Note 1373 *Parahumicola*

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Parahumicola T.O. Condé, Y.L.G. Dutra & O.L. Pereira

Parahumicola was introduced by Condé et al. (2023) as a new genus based on molecular analysis of ITS, LSU, *rpb2*, and *tub2* sequence data with unique morphological characteristics in *Chaetomiaceae* (Condé et al. 2023). This monotypic genus is typified by *Parahumicola guana* T.O. Condé, Y.L.G. Dutra & O.L. Pereira, which was found in a bat guano sample in the Gruta Monte Cristo cave, Brazil (Condé et al. 2023). *Parahumicola* produces considerably bigger aleurioconidia which resemble humicola-like conidia (Wang et al. 2019). This genus morphologically differs from other genera in *Chaetomiaceae* by its unique type of conidia which are differentiated from conidiophores and having a truncated base, prominent apex, and a conspicuous germ pore (Hambleton et al. 2005, Condé et al. 2023). There is only one epithet (*Parahumicola guana*) is listed in Species Fungorum (2024) under this genus. *Parahumicola* could be saprobic and future research could continually focus on pristine environments that have not yet been extensively investigated to describe the diversity of the genus.

References

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- Wang XW, Yang FY, Meijer M, Kraak B et al 2019 – Redefining *Humicola* sensu stricto and related genera in the *Chaetomiaceae*. *Studies in Mycology* 93, 65–153.
- Condé TO, Leão AF, Dutra YLG, Rosado AWC et al 2023 – Shedding light on the darkness: a new genus and four new species in the family *Chaetomiaceae* from Brazilian neotropical caves revealed by multi-gene phylogenetic analyses. *Mycological Progress* 22, 49.

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