

Outlineoffungi.org - Note 855 *Curvichaeta*

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Curvichaeta W.P. Wu & Y.Z. Diao

Curvichaeta was erected by Wu & Diao (2022) as a monotypic genus to accommodate *C. curvispora*. The type species was originally described as *Chaetosphaeria curvispora* by Réblová et al. (2004), but a phylogenetic reconstruction based on ITS and LSU sequence data revealed that it represents a lineage distinct from *Chaetosphaeria* s. str. (Wu & Diao 2022). *Curvichaeta curvispora* has been reported as a saprobe from decorticated wood in New Zealand. It is characterized by setose, papillate, black perithecia with fusiform, hyaline, 3-septate ascospores and macronematous, brown, simple conidiophores bearing a terminal, integrated, phialidic conidiogenous cell, which produces ellipsoidal to clavate, hyaline, smooth-walled, 0–1-septate conidia. According to Wu & Diao (2022), sterile, brown setae with a swollen apex are produced in culture, and their presence would distinguish *Curvichaeta* from morphologically similar genera, such as *Dictyoachaeta*, *Flectospora*, and *Phialoturbella*. The taxonomic placement of *Curvichaeta* is in *Chaetosphaeriaceae*, *Chaetosphaeriales*, *Sordariomycetes*, and *Ascomycota*.

References

- Réblová M. 2004 – Four new species of *Chaetosphaeria* from New Zealand and redescription of *Dictyoachaeta fueguiana*. *Studies in Mycology* 50(1), 171–186.
- Wu W, Diao Y. 2022 – Anamorphic chaetosphaeriaceous fungi from China. *Fungal Diversity* 116(1), 1–546. <https://doi.org/10.1007/s13225-022-00509-w>

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