

Outlineoffungi.org - Note 917 [Homortomycetales](#)

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[Homortomycetales](#) Maharachch. & Wanas.

The family [Homortomycetaceae](#) was introduced by Thambugala et al. (2017) as a monotypic family in [Homortomycetales](#). This family includes two species, the type species *Homortomyces combreti* Crous & M.J. Wingf. and the second species *H. tamaricis* Wijayaw., Camporesi & K.D. Hyde. This monotypic family is phylogenetically close to *Botryosphaeriales*, *Catinellales*, and *Holmiella* (Thambugala et al. 2017; Hongsanan et al. 2020; Maharachchikumbura et al. 2021). However, [Homortomycetaceae](#) is morphologically distinct from these taxa by its clearly distinct uniloculate, thin-walled ascomata and 3-septate, pigmented ascospores and distoseptate conidia (Crous et al. 2012; Phillips et al. 2013; Thambugala et al. 2017). Therefore, Maharachchikumbura et al. (2021) introduced [Homortomycetales](#) to accommodate [Homortomycetaceae](#) based on morphology and phylogeny based on SSU, 5.8S, LSU, *RPB2* and *TEF* sequences data. In the sexual morph, ascomata is scattered, immersed to erumpent which 2–8-spored asci, and are bitunicate and cylindrical-clavate. Ascospores are uni to bi-seriate. In the asexual morph, conidiomata are pycnidium which conidiophores reduced to conidiogenous cells or with one supporting cell. Conidia change from ellipsoid to subcylindrical. The order [Homortomycetales](#) has a stem age of 97 million years (Maharachchikumbura et al. 2021). The species of [Homortomycetales](#) are associated with leaf spots or saprobic on dead twigs or branches in terrestrial habitats in Oman.

References

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