

Outlineoffungi.org - Note 1423 *Pigmentatineomassaria*

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Pigmentatineomassaria Wijes., Camporesi & K.D. Hyde

The monotypic genus *Pigmentatineomassaria* was erected to accommodate *P. italica* Wijes., Camporesi & K.D. Hyde as the type species based on morphology and a combined DNA data set of the LSU, SSU, *tef1-α*, and *rpb2* sequences (Wijesinghe et al. 2023). *Pigmentatineomassaria italica* was found on the dead branch of *Cornus mas* in Italy. The asexual morph has not been observed. In the sexual morph of the genus, ascomata are pseudothecial, solitary, scattered, and uniloculate. Peridium is pseudoparenchymatous and thick. Asci are 8-spored, bitunicate, fissitunicate, and cylindrical-clavate, which contain one to two-seriate, fusoid to ellipsoid, one-septate (immature), hyaline and to three-septate (mature), yellowish to brown ascospores (Wijesinghe et al. 2023). In the phylogenetic analyses based on LSU, SSU, *tef1-α*, and *rpb2* sequence data, *Pigmentatineomassaria* formed a sister clade with *Neomassaria*. This new genus is similar to *Neomassaria* by several morphological characters such as central ostiolate and coriaceous ascomata, textura angularis cells of the peridium, branched and cellular pseudoparaphyses, bitunicate and short pedicellate asci with eight fusoid to ellipsoid ascospores. It differs from *Neomassaria* based on the characters of ascomata (with a distinct dark clypeus), and ascospores (septation and color) at the different stages (Wijesinghe et al. 2023). The taxonomic placement of this genus is within *Neomassariaceae* (*Pleosporales*, *Pleosporomycetidae*, *Pezizomycotina*, and *Ascomycota*).

Reference

Wijesinghe SN, Samarakoon MC, Camporesi E, Hyde KD et al. 2023 – Over the footprints of Italian mycology with emphasis on plant-associated *Ascomycota*. *Current Research in Environmental & Applied Mycology (Journal of Fungal Biology)* 13(1), 162–276.

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