

## Outlineoffungi.org - Note 646 [Melanina](#)

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**[Melanina](#)** Grube, Muggia & de Hoog

[Muggia et al. \(2021\)](#) introduced a new species, [Melanina gundecimermaniae](#) Grube, Muggia & de Hoog, from Austria, a rock-inhabiting species that associates with epilithic, crust-forming lichens in subalpine habitats. [Melanina](#) is characterized by a compact or yeast-like mycelia and sphaerical hyphae generated by lateral and apical cell divisions with conidia clumps ([Muggia et al. 2021](#)). The placement of [Melanina](#) is supported as a monophyletic lineage close to *Herpotrichiellaceae*, *Chaetothyriaceae*, *Cyphellophoraceae*, and *Trichomeriaceae* within *Chaetothyriales* based on maximum likelihood analysis of LSU sequence data ([Muggia et al. 2021](#)). However, [Melanina](#) does not fit well within any related family ([Muggia et al. 2021](#)). Phylogenetic analysis places [Melanina](#) in *Chaetothyriales* genera *incertae sedis* ([Muggia et al. 2021](#)).

### Reference

Muggia L, Quan Y, Gueidan C, Al-Hatmi A, Grube M, de Hoog S. 2021 – Sequence data from isolated lichen-associated melanized fungi enhance delimitation of two new lineages within *Chaetothyriomycetidae*. *Mycological Progress* 20(7), 911–927. <https://doi.org/10.1007/s11557-021-01706-8>

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