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[Superstratomycetaceae](#) van Nieuwenh., Miadl., Houbraken, Adan, Lutzoni & Samson

van Nieuwenhuijzen et al. (2016) introduced [Superstratomycetaceae](#) ([Superstratomycetales](#), [Dothideomycetes](#)) with [Superstratomyces](#) as a generic type, but the family was not properly proposed as detail for the generic type was not provided. Thus, Crous et al. (2021) validated the family status by giving the proper detail for the family. The family comprised a single genus, [Superstratomyces](#) which was reported as saprobes or foliar endophytes from Australia and the Netherlands. [Superstratomycetaceae](#) is characterised by forming dark pycnidia, solitary or confluent, globose conidiomata with slimy conidia mass shooting outside, pseudoparenchymatous pycnidial wall with cell arrangement in *textura angularis* and producing phoma-like asexual morph (van Nieuwenhuijzen et al. 2016). The sexual morph is not known. The phylogenetic result from 5.8S, nucLSU, *tef1*, nucSSU, mtSSU, *rpb1* and *rpb2* revealed it is a distinct lineage within [Dothidomycetes](#) (van Nieuwenhuijzen et al. 2016; Crous et al. 2021). [Superstratomycetaceae](#) members were reported from the top surface of wood and leaves based on culture-based approach. Thus, studies on other substrates at the same site could reveal further diversity of [Superstratomycetaceae](#).

References

- Crous PW, Hernández-Restrepo M, Schumacher RK, Cowan DA et al. 2021 – New and interesting fungi. 4. Fungal Systematics and Evolution 7, 255–343. <http://dx.doi.org/doi.org/10.3114/fuse.2021.07.13>
- van Nieuwenhuijzen EJ, Miadlikowska JM, Houbraken JA, Adan OC et al. 2016 – Wood staining fungi revealed taxonomic novelties in *Pezizomycotina*: New order *Superstratomycetales* and new species *Cyanodermella oleoligni*. Studies in Mycology 85, 107–124. <http://dx.doi.org/10.1016/j.simyco.2016.11.008>

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