

## Outlineoffungi.org – Note 788 [Superstratomycales](#)

**Web-links:** [Index Fungorum](#), [Facesoffungi](#), [Mycobank](#)

[Superstratomycales](#) van Nieuwenhuijzen, Miadlikowska, Lutzoni & Samson

[Superstratomycales](#) (*Dothideomycetes*) was introduced to accommodate wood saprotrophs or foliar endophytes isolated from the top layer or surface of plant material including leaves and wood material ([van Nieuwenhuijzen et al. 2016](#); [Crous et al. 2021](#)). [Superstratomycales](#) taxa have superficial, solitary or confluent, glabrous, black conidiomata exuding a white mass of slimy conidia. The sexual morph is not known. The order was originally introduced by van Nieuwenhuijzen et al. ([2016](#)); however, the ordinal status was not verified as detail for the generic type was not provided. Crous et al. ([2021](#)) verified the ordinal status with a detailed description for the order, family and genus based on the nuLSU and multi-locus phylogenetic analyses. Type genus is [Superstratomyces](#) van Nieuwenh., Miadl. & Samson. Based on the phylogenetic evidence of 5.8S, nuLSU, *tef1*, nuSSU, mtSSU, *rpb1* and *rpb2*, the order resided with [Trypetheliales](#) ([van Nieuwenhuijzen et al. 2016](#)). The analysis of nuLSU sequences revealed a close phylogenetic relationship with [Eremomycales](#) ([Crous et al. 2021](#)).

### 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 *Superstratomycales* 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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