

## Outlineoffungi.org – Note 785 *Sclerococcum*

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### *Sclerococcum* Fr.

*Sclerococcum* is one of the species rich lichenicolous genera belongs to *Dactylosporaceae*, *Sclerococcales* in *Eurotiomycetes*. The genus was originally introduced for an obligatory lichenicolous species *Sclerococcum sphaerale* (= *Spiloma sphaerale*) (Fries (1819, 1825). The taxa have been reported as saprotrophs and lichenicolous in both terrestrial and marine habitats ([Dong et al. 2020](#), [Joshi 2021](#)). Diederich et al. ([2018](#)) synonymized *Dactylospora* under *Sclerococcum* based on phylogenetic analyses and treated *Dactylospora* as a sexual morph of *Sclerococcum*. The sexual morph is characterized by superficial to stalked black apothecia and amyloid asci with an apical gelatinous cap ([Olariaga et al. 2019](#)). The asexual morph is characterized by blackish sporodochial-stromatic conidiomata, conidiogenesis thallic that are probably meristematic and dark brown, uni- to multi-cellular conidia (Diederich et al. 2013, [Joshi 2021](#)). The genus presently comprised 66 species ([Diederich et al. 2018](#), [Joshi 2021](#)). However, molecular data are available only for few species and the genus recovered as paraphyletic in *Dactylosporaceae* in the recent study conducted by Thiyagaraja et al. ([2022](#)).

### References

- Fries EM. 1819 – *Novitiae florae suecicae* 5. Lund.
- Fries EM. 1825 – *Systema orbis vegetabilis* I. Lund.
- Dong W, Hyde KD, Doilom M, Yu XD, Bhat DJ et al. 2020 – *Pseudobactrodesmium* (*Dactylosporaceae*, *Eurotiomycetes*, Fungi) a novel lignicolous genus. *Frontiers in Microbiology* 11, 1–13. <https://doi.org/10.3389/fmicb.2020.00456>
- Diederich P, Lawrey JD, Ertz D. 2018 – The 2018 classification and checklist of lichenicolous fungi, with 2000 non-lichenized, obligately lichenicolous taxa. *Bryologist* 121, 340–425. <https://doi.org/10.1639/0007-2745-121.3.340>
- Joshi Y. 2021 – Two new species of lichenicolous fungus *Sclerococcum* (*Dactylosporaceae*, *Sclerococcales*) from India. *Acta Botanica Hungarica* 63, 67–75. <https://doi.org/10.1556/034.63.2021.1-2.5>
- Olariaga I, Teres J, Martín J, Prieto M, Baral HO. 2019 – *Pseudosclerococcum golindoi* gen. et sp. nov., a new taxon with apothecial ascomata and a *Chalara*-like anamorph within the *Sclerococcales* (*Eurotiomycetes*). *Mycological Progress* 18, 895–905. <https://doi.org/10.1007/s11557-019-01500-7>
- Thiyagaraja V, Ertz D, Hyde KD, Karunarathna SC, To-Anun C et al. 2022 – Morphological and phylogenetic reassessment of *Sclerococcum simplex* from China. *Phytotaxa* 559, 167–175. <https://doi.org/10.11646/phytotaxa.559.2.5>

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