

Outlineoffungi.org - Note 899 *Qarounispora*

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Qarounispora Nourel-Din, Abdel-Aziz & Abdel-Wahab

Qarounispora was declared a new genus in the family [Halosphaeriaceae](#) based on morphology and multi-gene analysis of LSU, SSU and ITS sequences (Nourel-Din et al. 2022). The type species, *Qarounispora grandiaappendiculata* Nourel-Din, Abdel-Aziz & Abdel-Wahab was isolated as a saprobe on decaying submerged wood in the Qaroun Lake in Egypt, where the genus name was based (Nourel-Din et al. 2022). This genus formed a distinct separate clade in the family [Halosphaeriaceae](#) together with [Nimbospora](#) (Nourel-Din et al. 2022). *Qarounispora* has hyaline to yellow-orange, ellipsoidal to broadly ellipsoidal ascospores with only one equatorial appendage (Nourel-Din et al. 2022). It has yellow to orange-brown ascomata that are globose to subglobose, and catenophyses developing from the pseudoparenchyma. The asci are thin-walled, unitunicate, eight-spored, clavate, or broadly ellipsoid (Nourel-Din et al. 2022). These characteristics differ from [Nimbospora](#) species which have ascospores with enlarged sheaths and fibrillar equatorial appendages (Koch 1982). Five genera of [Halosphaeriaceae](#) have one polar appendage similar to *Qarounispora*. These are [Moana](#), [Oceanitis](#), [Okeanomyces](#), [Ophiodeira](#) and [Tirispora](#). Based on multi-gene analysis of LSU, SSU, and ITS regions, *Qarounispora* is in a well-supported clade that is clearly separate from these other genera (Nourel-Din et al. 2022). Also, morphological differences in ascomata, asci, and ascospores separated *Qarounispora* with these similar genera.

References

- Koch J. 1982 – Some lignicolous marine fungi from Sri Lanka. *Nordic Journal of Botany* 2, 163–169. <https://doi.org/10.1111/J.1756-1051.1982.TB01177.X>
- Nourel-Din AAH, Abdel-Aziz FA, Abdel-Wahab MA. 2022 – *Qarounispora grandiaappendiculata* gen. et sp. nov. (*Halosphaeriaceae*, *Microascales*) from Qaroun Lake, Egypt. *Phytotaxa* 530, 86–94. https://www.ncbi.nlm.nih.gov/nuccore/NG_087903.1

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