

Outlineoffungi.org - Note 1262 *Hamatocanthoscyphaceae*

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Hamatocanthoscyphaceae Ekanayaka & K.D. Hyde

Hamatocanthoscyphaceae was named by Ekanayaka et al. (2019) for one of the monophyletic subclades within *Pezizellaceae sensu* Johnston et al. (2019). This same clade had been referred to as Clade 1 by Han et al. (2014) and although recognised by these authors as phylogenetically and morphologically distinct, was not formally named. Later multigene analyses have consistently resolved *Hamatocanthoscyphaceae* as a monophyletic clade sister to the rest of *Pezizellaceae sensu* Johnston et al. (2019). Ekanayaka et al. (2019) discussed a close relationship between *Hamatocanthoscyphaceae* and *Hyphodiscaceae* but this has not been found in later analyses (e.g. Haelewaters et al. 2021, Quijada et al. 2022). One issue with defining *Hamatocanthoscyphaceae* phylogenetically, is uncertainty surrounding the identity of the type species of *Hamatocanthoscypha*, *H. laricionis*. GenBank accessions labelled with this name represent three different species, two from Japan and one from Europe. Despite this uncertainty, all three species fall in *Hamatocanthoscyphaceae*. Of the putative *H. laricionis* species, it is likely that the European species (with specimens from the United Kingdom and the Netherlands, voucher specimens K(M)158578 and SBRH935 respectively) better represents the true *H. laricionis*. Several recently named genera with a *Chalara*-like morphology, including *Constrictochalara*, *Stipitochalara* and *Xenochalara*, also belong in this clade (Wu & Diao 2023). No detailed study of the breadth of morphological diversity has yet been carried out for the taxa in this clade meaning that the key morphological features of the family remain poorly understood.

References

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