

## Outlineoffungi.org - Note 894 [Micromelanconis](#)

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[Micromelanconis](#) C.M. Tian & N. Jiang

[Micromelanconis](#) was introduced by Tian and Jiang (2021) with *M. kaihuiae* C.M. Tian & N. Jiang as the type species. This monotypic genus is the third genus of [Pseudomelanconidaceae](#) and it is clearly distinguished from other genera viz. [Pseudomelanconis](#) C.M. Tian & X.L. Fan and [Neopseudomelanconis](#) C.M. Tian & N. Jiang, in this family by having melanconis-like conidiomata, pale brown, multiguttulate, aseptate conidia with hyaline sheath (Fan et al. 2018; Jiang et al. 2018; Jiang et al. 2021). However, conidia of this genus from the natural substrate are ellipsoid, and sporulated cultures on PDA produce the long dumbbell-shaped conidia (Jiang et al. 2021). The distinct phylogenetic placement of [Micromelanconis](#) within the family was proved based on the combined ITS, LSU, *tef1-α* and *rpb2* (Jiang et al. 2021). Some genera of diaporthean families such as *Coryneaceae*, [Cryphonectriaceae](#), [Erythroglloeaceae](#) and [Gnomoniaceae](#) are restricted to specific host plants (Voglmayr et al. 2012; Jaklitsch and Voglmayr 2019; Roux et al. 2020; Wang et al. 2020; Yang et al. 2020). Species of [Pseudomelanconidaceae](#) inhabit *Carya* sp. (*Juglandaceae*), and *Castanea* sp. (*Fagaceae*) (Fan et al. 2018a; Jiang et al. 2021). All the species in this family are discovered in China, as saprobes on tree branches. The taxonomic placement of [Micromelanconis](#) is in [Pseudomelanconidaceae](#), *Diaporthales*, [Sordariomycetes](#).

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