

Outlineoffungi.org - Note 795 *Australidea*

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Australidea Kantvilas et al.

Based on ITS, mrSSU and nLSU data, Kantvilas et al. (2021) established a new genus *Australidea* accommodating *Lecidea canorufescens* Kremp. as type species, but so far for no other additional species. *Australidea* is forming a sister clade to *Malmidea*. As phenotypic diagnostic characters are highlighted a hyaline hypothecium, thin excipular hyphae and a tholus with an intensely amyloid ring. A distinction for *Malmidea* at generic level is therefore well justified. The presence versus lack of amyloidity in the upper ascus wall, the tholus, a trait of the heterokaryotic generation not being subject to environmental influences (compared to those of the haploid generation), is reason enough to consider *Australidea* and *Malmidea* as well separated genera. The taxonomic classification of *Australidea* is in the *Malmideaceae* (*Lecanorales*, [Lecanoromycetes](#)). Therein the combined clade of *Australidea*, and *Malmidea* forms the sister clade to several rather small genera.

References

Kantvilas G, Wedin M, Svensson M. 2021. *Australidea* (Malmideaceae, Lecanorales), a new genus of lecideoid lichens, with notes on the genus *Malcolmiella*. *The Lichenologist* 53, 395–407. <https://doi.org/10.1017/S0024282921000311>

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