

## Outlineoffungi.org - Note 4

### Fossil remains named as *Desmidiospora*

Fossil remains from the Paleogene of Argentina were studied by Bianchinotti et al. (2019). Evidence was presented that the fossils, commonly named as *Desmidiospora willoughbyi* or *D. marginiconvoluta*, are in fact, part of the life cycle of at least two different groups of epiphyllous ascomycetes. Arguments for avoiding the use of *Desmidiospora* for fossil fungi were presented. Bianchinotti et al. (2019) concluded that *Desmidiospora* must be considered as monotypic and should be restricted to entomopathogenic fungi and appears to belong in Hypocreales where it is placed in Hypocreales genera *incertae sedis*.

### Reference

Bianchinotti MV, Martínez MA, Cornou ME. (2019). The utility of *Desmidiospora*: a paradigm shift based on Paleogene fungal remains from the Ñirihuau Basin, Argentina. *Palynology* 43: 1-10. <https://doi.org/10.1080/01916122.2019.1657514>

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