

Outlineoffungi.org - Note 553, *Uniappendiculata*

Uniappendiculata Tibpromma

Uniappendiculata is monotypic asexual genus represented by *U. kunmingensis* on dead stems of *Acer palmatum* in China. Phylogenetic analysis based on combined dataset of LSU, *tef1-α* and ITS sequences suggests that *Uniappendiculata* is a member of *Sulcatisporaceae* (*Pleosporales*, *Dothideomycetes*) and is related to *Pseudobambusicola* (Wijayawardene et al. 2021). On the other hand, characters of *U. kunmingensis*, such as acervular conidiomata surrounded by numerous black setae and subcylindrical, slightly curved, hyaline conidia with an appendage at both ends are extremely similar to those of *Pseudolachnella* (*Chaetosphaeriaceae*, *Chaetosphaeriales*, *Sordariomycetes*; Hashimoto et al. 2015). Considering that no genus with such asexual traits is known in *Sulcatisporaceae* (Tanaka et al. 2015) or even in *Dothideomycetes* (Hongsanan et al. 2020), additional materials including pure cultures and molecular evidences for *U. kunmingensis* are required to confirm phylogenetic validity of this intriguing genus.

References

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