Outlineoffungi.org - Note 808 *Bryoclavula*

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Bryoclavula H. Masumoto & Y. Degawa

This monotypic genus was introduced based on the new species *Bryoclavula phycophila* H. Masumoto & Y. Degawa. It was found on unidentified senescent bryophytes growing on a moist rock surface, in the temperate zone in Japan (Masumoto & Degawa 2020). The phylogenetic analysis based on LSU showed its phylogenetic position in the CHS (Ecologically diverse lineage that contains ectomycorrhizal fungi) assemblage of *Cantharellales* (*Agaricomycetes*, *Basidiomycota* and revealed this genus is clearly distinct from the other aligned genera (Masumoto and Degawa 2020). The familial position of this genus is uncertain (Masumoto & Degawa 2020). The authors did not provide general morphological characters of the genus when compared to other lichenized taxa in *Cantharellales* (Masumoto & Degawa 2020). Only descriptions for the type species are provided. The type species formed on unidentified senescent bryophytes growing on a moist rock surface were gelatinous, bright green, amorphous, undifferentiated, and composed of spherical photobiont cells loosely surrounded by mycobiont hyphae, not developed to form a globular thallus like *Multiclavula* species. The mycelia were consistently associated with green algae present on the surface of the bryophytes, indicating lichenization of this species. The asexual morph is unknown. More species are expected to further exam the monophyly of this genus.

Reference

Masumoto H, Degawa Y. 2020 – *Bryoclavula phycophila* gen. et sp. nov. belonging to a novel lichenized lineage in *Cantharellales* (*Basidiomycota*). Mycological Progress 19(7), 705–714. https://doi.org/10.1007/s11557-020-01588-2

Entry by

Maoqiang He, State Key Laboratory of Mycology, Institute of Microbiology, Chinese Academy of Sciences, Beijing 100101, China

(Edited by **Kevin D Hyde & Rekhani Hansika Perera & Maryam Tavakol Noorabdi**)

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