

Outlineoffungi.org - Note 1029 *Chrysomyцена*

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Chrysomyцена Vizzini, Picillo, Perrone & Dovana

Chrysomyцена was proposed in *Porotheleaceae* by Vizzini et al. (2019) based on morphological characteristics and phylogenetic analyses of ITS and LSU sequences. *Chrysomyцена perplexa* was assigned as the type species (Vizzini et al. 2019) collected from Italy. However, with more taxon sampling from Portugal and Spain with the evidence by sequence data analyses, Villarreal et al. (2021) discovered *C. dunicola* (\equiv *Mycena dunicola*). Also, they suggested that *C. perplexa* should be synonymized under *C. dunicola* based on morphology and phylogenetic analysis. *Chrysomyцена* is characterized by a habitus from collybioid to clitocyboid, a pileic fibrillary surface, abundant rhizomorphs at the base of the stipe, a sub-hymenidermic to sub-trichodermic pileipellis (at least in the middle of the pileus), non-amyloid spores, widely clavate cheilocystidia (Vizzini et al. 2019). *Chrysomyцена* species can be found in *Pinus* forests, coastal areas or dunes in Mediterranean areas such as Italy, Portugal and Spain (Vizzini et al. 2019, Villarreal et al. 2021). The taxonomic placement of *Chrysomyцена* is in *Porotheleaceae*, *Agaricales*, *Agaricomycetidae*, *Agaricomycetes*, *Agaricomycotina*, and *Basidiomycota*.

References

- Vizzini A, Picillo B, Luigi P, Dovana F. 2019 – *Chrysomyцена perplexa* gen. et sp. nov. (*Agaricales*, *Porotheleaceae*), a new entity from the Lazio region. *Rivista Micologica Romana* 107, 96–107. <https://www.ameronlus.it/ojs/index.php/rmr/article/view/50>
- Villarreal M, Esteve-Raventós F, Sánchez F, Pérez-De-Gregorio MA. 2021 – *Chrysomyцена dunicola* comb. nov. (*Agaricales*, *Porotheleaceae*), un nombre prioritario sobre *Chrysomyцена perplexa*. *Boletín de la Sociedad Micológica de Madrid*. 45, 43–52.

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Published online 25 April 2024