

Outlineoffungi.org - Note 1073 *Xerophorus*

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Xerophorus (Bon) Vizzini, Consiglio & M. Marchetti

Xerophorus was introduced by Vizzini et al. (2020) to accommodate *Xerophorus olivascens* (\equiv *Tricholoma olivascens*) as the type species, based on morphological characteristics and phylogenetic analysis of ITS, 28S and 18S rDNA, *tef1 α* , *rpb2* sequence data. *Xerophorus dominicanus*, *X. donadinii*, and *X. pakistanicus* are the other three species in the genus (Asif et al. 2023). The type species was found under cedars in parks and gardens of southern Europe, whereas other species were reported in the Dominican Republic, Europe (France and Italy), and Pakistan, respectively (Vizzini et al. 2020, Asif et al. 2023). In the genus, the lamellae are adnate, distant, and thick. Spores are smooth, amygdaliform, and papillate. Basidia are hygrophoroid and filled with granules. Pleurocystidia is absent. Clamp connections are present or absent. The taxonomic placement of *Xerophorus* is in *Callistosporiaceae*, *Agaricales*, *Agaricomycetidae*, *Agaricomycetes*, and *Basidiomycota*.

Reference

- Asif M, Saba M, Raza M. 2023 – First report of the genus *Xerophorus* from Asia with the description of *Xerophorus pakistanicus* (*Callistosporiaceae*), a new species from Southern Punjab, Pakistan. *Phytotaxa* 632(1), 38–48. <https://doi.org/10.11646/phytotaxa.632.1.3>
- Vizzini A, Consiglio G, Marchetti M, Alvarado P. 2020 – Insights into the *Tricholomatineae* (*Agaricales*, *Agaricomycetes*): a new arrangement of *Biannulariaceae* and *Callistosporium*, *Callistosporiaceae* fam. nov., *Xerophorus* stat. nov., and *Pleurocollybia* incorporated into *Callistosporium*. *Fungal diversity* 101, 211–59. <https://doi.org/10.1007/s13225-020-00441-x>

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Published online 7 May 2024