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Lichenicolous fungi on *Verrucaria* s. lat. in Ukraine with the description of *Zwackhiomyces khodosovtsevii* sp. nov. and a key to the lichenicolous fungi on *Verrucaria* s. lat.

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Abstract

A revision of lichenicolous fungi on *Verrucaria* s. lat. in Ukraine is provided. As a result, 12 species of lichenicolous fungi on *Verrucaria* s. lat. are reported from Ukraine. Among them, *Zwackhiomyces khodosovtsevii* on *Verrucaria* cf. *nigrescens* is described as new to science and *Lichenopeltella coppinsii* on *V. muralis*, *Stigmidium marinum* on *V. mucosa* as well as *S. rivulorum* on *V. dolosa*, are newly reported to Ukraine. Ten species are reported from xerotic terrestrial habitats mainly from Southern Ukraine. Only *Stigmidium marinum* and *S. rivulorum* were found in a marine and freshwater habitat respectively. *Toninia subfuscae* should be removed from the Ukrainian list of lichenicolous fungi due to misidentification. *Didymosphaeria geminella* is considered as a new synonym for *Polycoccum dzieduszyckii*. A worldwide key for lichenicolous fungi on *Verrucaria* s. lat. is provided.

Author Keywords

Biodiversity, new species, *Lichenopeltella*, *Stigmidium*, *Zwackhiomyces*

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