

Nadyeina, O. 2009. The lichen-forming and lichenicolous fungi of the Donetsk Upland (Ukraine). — *Mycologia Balcanica* **6**: 37–53.

Abstract. A lichen survey of the Donetsk Upland (SE Ukraine) was conducted based on data collected between 2005 and 2007 and a detailed review of the literature. A total of 233 species (221 lichens and 12 lichenicolous fungi) were recorded. Five species are recorded for the first time for Ukraine: *Caloplaca raesaeneni*, *Cladonia magyarica*, *C. peziziformis*, *Endococcus rugulosus* and *Rinodina* cf. *guzzinii*. A large number of species are new records for particular biogeographic regions, including 22 species new for the plain part of Ukraine, 15 for the steppe zone of Ukraine and 145 for the Donetsk Upland. Several of the species listed here were only recently first reported for Ukraine. Some misunderstood or questionable literature records from the Donetsk Upland, such as *Caloplaca teicholyta*, *Diploschistes scruposus*, *Lecanora frustulosa*, *Rinodina exigua* and *Thrombium cretaceum*, are discussed.

Key words: biodiversity, lichen biota, lichenicolous fungi, steppe zone, Donetsk Upland