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***ERUCASTRUM GALLICUM* (WILLD.) O. E. SCHULZ
(*CRUCIFERAE*) – A NEW ALIEN SPECIES FOR
THE FLORA OF INTERNATIONAL BIOSPHERE
RESERVE “EASTERN CARPATHIANS”**

Abstract: *Erucastrum gallicum* (Willd.) O.E.Schulz, a new alien species for the flora of International Biosphere Reserve “Eastern Carpathians” has been found in Nyzhnia Jablon’ka (Nadsyan’sky Regional Landscape Park). Data on location and distribution of the species in the Ukrainian Carpathians are given in the paper.

Erucastrum gallicum (Willd.) O. E. Schulz is the annual or biennial monocarpic species of West-Mediterranean origin. It is xerophyte, halophyte, anemochore, and kenophyte (Protopopova 1991).

This species is spread throughout South-Western and Central Europe: in Spain, France, the Netherlands, Central Germany, Switzerland, Austria, Italy, Hungary, and, as synanthropic, in Great Britain, Belgium, on Scandinavian peninsula, north-west and south-east of European part of Russian Federation, in Czech republic, Slovakia, Romania, lowland part of Poland and in the temperate zone of North America (Meusel et al. 1965; Beldie 1977; Sychowa 1985; Štěpánek 1992; Tutin, Akeroyd 1993; Feráková 2002; Mirek et al. 2002).

The species came to Ukraine from the west or south of Europe. The first reliable information on occurrence of *E. gallicum* in Ukraine dates from the beginning of the last century: it was found in Kupiansk (Kharkiv gubernia) in 1916 by Klovov (Kondratyuk et al. 1985). Nowadays *E. gallicum* is rather widespread throughout Ukraine: it is distributed in forest-steppe and steppe zone (Sumy, Kharkiv, Lugan’sk, Donetsk region, outskirts of Bulganak in the Crimea peninsula) (Protopopova 1973; Oprelidelitel’... 1987). Zelenchuk indicated it for the flat part of the Lviv district (Zelenchuk 1991). This fact is documented by specimens in the Lviv herbaria (LWS, LW, LWAKNS). There are also specimens collected in Ternopil (LW) and Ivano-Frankiv’sk (LWAKNS) regions.

Till now *Erucastrum gallicum* has not been registered on the territory of International Biosphere Reserve “Eastern Carpathians” (Hadač, Terray 1991; Zemanek, Winnicki 1999).

Ten individuals of *Erucastrum gallicum* were found in Nadsyan'sky Regional Landscape Park (NRLP) last (2005) summer at the railway embankment near railway station Nyzhnia Yablon'ka (Lviv region, Turka district) (Fig. 1). Collected specimens are kept at the herbarium of the State Museum of Natural History in Lviv (LWS). It was not first finding of *Erucastrum gallicum* in the Ukrainian Carpathians: in 1986 it was collected by Volgin, Kardash and Gynda in Slavske (Lviv region, Skole district) at the railway embankment as well (LW). Unfortunately, this finding had not been published.

Erucastrum gallicum was supposedly brought to the territory of Ukrainian Carpathians from the east of Ukraine along railway routes and its occurrence in new locations might be expected.

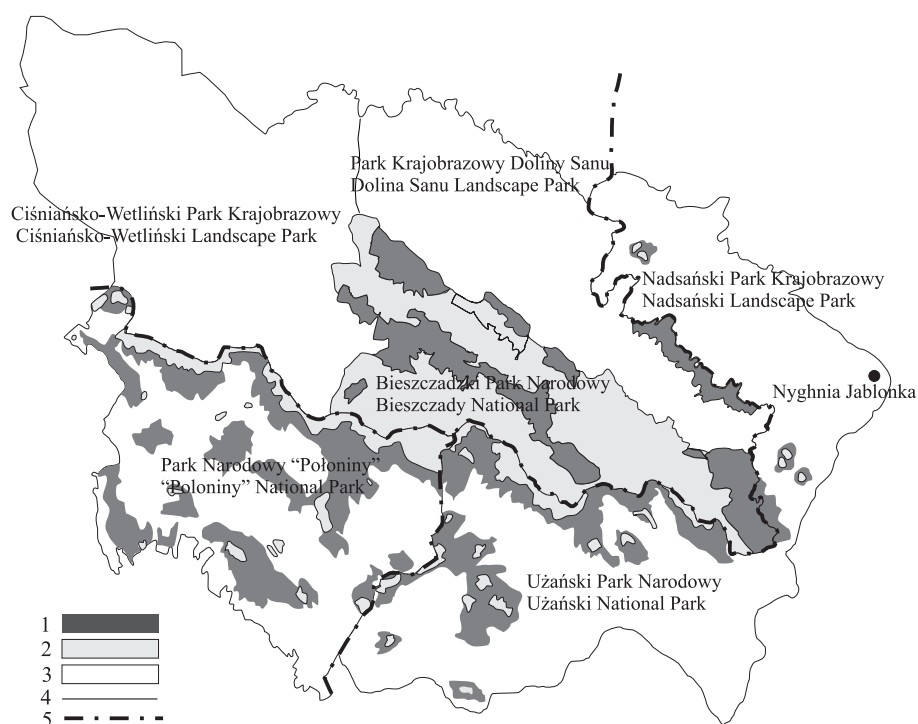


Fig. 1. International Biosphere Reserve “Eastern Carpathians”.

1 – core zone; 2 – buffer zone; 3- transitional zone; 4 – protected areas boundaries; 5 – state boundary

Rys. 1. Międzynarodowy Rezerwat Biosfery „Karpaty Wschodnie”. 1 – strefa centralna; 2 – strefa buforowa; 3 – strefa przejściowa; 4 – granice obszarów chronionych; 5 – granice państwowe

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