

**STATE OF THE LOCAL POPULATION OF *SCHIVERECKIA PODOLICA*
ANDRZ. EX DC. IN THE CONDITIONS OF ODESSA REGION**

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Schivereckia podolica Andrz. ex DC. - endangered species, chamaephyte, heliophyte, subxerophyte-xerophyte, petrophyte (Ecoflora..., 2007; Bondarenko,

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2009). The species is included into the Red Databook of Ukraine (2009), International red data list, I Addition of Bern Convention.

Sch. podolica s. l. is distributed in Donetsk region (Chopyk, 1970; Red., 1996), Ivano-Frankivsk region (Bohaychuk, Shgel'ah-Sosonko, 1966; Diduh et al., 1982), Odessa region (Popova, 2002; Bondarenko, 2009), Ternopil' region (Vinichenko et al., 2004; Zaveruha, 1976; Zaveruha et al., 1983; Mshanets'ka et al., 2003) Harkiv region (Chopyk, 1970) and Khmenytskiy region (Zelinka, Stoyko, 1983; Kagalo et al., 2008; Kagalo, Skibits'ka, 2002; Kovtun, Lubins'ka, 2001; Lubins'ka, 1987; Red ..., 2009).

During 2008-2009 the field research (by standard methods) of structure of *Sch. podolica* local population on the denudations of the right shore of Hadjibey liman between Otradovo and Yehorovka villages were carried out.

The aim of the research was to specify the morphological features, age and viability structure of *Sch. podolica*, which grows on the denudations of the shell limestone and occupies hills of western, south-western, north-western and eastern expositions.

According to the research results it is specified that the population is normal and full-membered, its density is in average 13,1 ind./m². Age spectrum: p (1 %), j (3 %), im (11 %), v (22 %), g₁ (20 %), g₂(23 %), g₃(14 %), ss (5 %), s (1 %). Age index of the population by A. Uranov (1975) is 0,33 and that authenticates the relatively "youth" of the population.

While carrying out of the research the basic morphometric characteristics of individuals of *Sch. podolica*, such as the length of generative spears (8,1-10,9 cm), rosettes diameter (2,7-3,5 cm), rosettes leaves length (1,2-1,9 cm), rosettes leaves width (0,2-0,4 cm), generative spears leaves length (0,4-1,1 cm), generative spears leaves width (0,2-0,4 CM), length of petals (0,1-0,3 CM), width of petals (0,1-0,3 cm), quantity of flowers on one generative spear (14-27) were specified.

Generally we can make the conclusion that the local population of the species in the outskirts of Hadjibey liman is ecologically persistent, it is characterized by the high level of tolerance and can be a part of ecosystem under the condition of non-interfering into existing structure of this territory biotopes.