

New coleopteran species (Insecta: Coleoptera) for the Republic of Moldova

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Summary

Specii noi de coleoptere (Insecta: Coleoptera) pentru fauna Republicii Moldova

În lucrarea de față sunt cuprinse 4 specii de coleoptere, care până în prezent nu au fost cunoscute în fauna Republicii Moldova. Aceste specii aparțin la familiile: Carabidae și Silphidae, au fost colectate în diferite zone geografice din Republica Moldova în perioada anilor 1987-1999. Fiecare specie este prezentată printr-un succint text după algoritmul: denumirea speciei, material, descriere, biologie și ecologie, răspândire geografică.

Keywords: Faunistics, Coleoptera, Republic of Moldova

This paper contains 4 species of coleopterans which haven't been known in the republic of Moldova so far. These species belong to Carabidae and Silphidae Families. These were collected in different geographical zones of the Republic of Moldova between 1987-1999.

Every specie is presented by a concise text following the algorithm: the name of the specie, material, description, biology and ecology, geographical spread.

Carabidae

Pterostichus aetiops (PANZER 1797)

Material: 1♀, 04.07.1990; Săreți, Strășeni district, in the forest's palanquin.

Description: The body is black with metallic lustre. The head is narrower than the pronotum, the pronotum is convex, in the posterior part is rounded. The short metaepisternum, their length at the exterior edge is a little bit longer than at the fore edge. The oval elytra is broader to the distal part, cover completely the belly (Fig. 1). The length of the body is 13,3.



Fig. 1 The elytra of *Pterostichus aetiops*

Biology and ecology: Biology is insufficiently known. Larva's develop in the palanquin, they

feed themselves up with larva of insects and other invertebrate.

Geographical spread: Carpathian Mountains, Transcarpathis, Russian's North Field (KRYŽANOVSKIJ, 1965, 1983, 1995).

Silphidae

Nicrophorus germanicus germanicus (LINNAEUS 1758)

Material: 1♂, 10.06.1989, Berezlogi, in a trap of Barber type, installed in a corn crop (culture).

Description: The black-coloured body and the head with the eyes narrower than the fore edge of the pronotum, is down directed. The lateral edge of the pronotum is densely dotted, the last 4 segment of the antennas form a black-lamellated budgeon (Fig. 2), the smooth pronotum disc with a transversal line in the middle. The black and short elytra don't cover the last tergites of the belly, the epipleural of the elytra are brown-reddish.

Biology and ecology: The necrophore specie in the larva stadia feeds with the body of small vertebrate.

Geographical spread: Caucasus, Turkmenistan (KRYŽANOVSKIJ, 1965).



Fig. 2 The antenna of *Nicrophorus germanicus*

Ablattaria cribrata (MENETRIES 1832)

Material: 1♂ 1♀, 18.06.1987, Telița, under hay, in a forest near the River Nistru; 1♂, 19.09.1987, Giurgiulești, Vulcănești District., on the shore of the

River Prut.

Description: The body is black, oval and the head is strongly lengthened. On the top antennae gradually enlarge. Elytra without muscles, with 2 smooth lines undotted. Tibia with longitudinal carinae, and those median and posterior are endowed with small enchanter's nightshade.

The length on the body is 15,5-16,5 (Fig. 3).

Biology and ecology: It prefers wet biotypes, it lives in the forest, it is plundered and it prefers as food mollusks.

Geographical spread: Caucasus, Turkmenistan (KRYŽANOVSKIJ, 1965)



Fig. 4 ♂ The aedeagus of *Ablattaria cribrata*

***Oiceptoma thoracicum* (LINNAEUS 1758)**

Material: 1♂ 2♀♀, 10.07.1979; 04.07.1988; 05.07.1991, Lozova, Strășeni district, in the forest's palaquin.

Description: The body is black, the head and the pronotum are endowed with red enchanter's nightshade, the eyes are a little bulging, transversal. The elytra usually have 3 longitudinal edge in the distal part makes a strong raising (Fig. 4).

Biology and ecology: It prefers small mammal's bodies, animals faeces from forests, sometimes it can be met in the mushrooms.

Geographical spread: Russia (West Siberia Plateaus, Siberian mountain regions, Amur and Primorsc regions), the Ukraine, Caucasus (KRYŽANOVSKIJ, 1965).



Fig. 4 ♂ The aedeagus of *Oiceptoma thoracicum*

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