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FIRST RECORD OF BEE *ANDRENA ANATOLICA* ALFKEN, 1935 (HYMENOPTERA: APOIDEA: ANDRENIDAE) IN ROMANIA

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Abstract. A female of the mining bee *Andrena anatolica* Alf. has been collected from Măcin National Park, North of Dobrogea. This species has not been recorded previously in Romania; its geographical distribution and a short morphological description is presented.

Résumé. Une femelle de l'abeille mineure *Andrena anatolica* Alf., a été capturée dans le Parc National Măcin, nord du Dobrogea. Cette espèce n'a pas été signalée jusqu'à présent en Roumanie. De même, on présente sa répartition géographique et une description morphologique courte.

Key words: new record, *Andrena anatolica*, Romania.

The bee genus *Andrena* is known as a huge genus of Apoidea with over 2000 species spread on all continents excepting Australia, Antarctica and South America. In Romania, 135 species and 14 subspecies are known (Warncke & Scobiola-Palade, 1980) which means 34 % from the total number of species spread in Europe.

On the basis of my investigation carried out on a material collected from the North of Dobrogea I was able to establish the presence of a new species for Romanian fauna – *Andrena anatolica* Alf. The specimen was collected from Valea Suluc - Măcin National Park, on 27 th of May 2005 by researcher Ioana Matache. For the species identification I have used Osychnyuk's identification key (1977). Morphological terms used below are taken from Michener (1944) and LaBerge (1967). For a better knowledge of this species I bring some additional morphological data from the female specimen analyzed by me.

Integument black-coloured except as follows: apex of mandibles dark rufescent; flagellar segments 2-12 light brown below; wing membranes hyaline, slightly infumates, veins brown; terga 1-4 with apical areas translucent, brown basally to yellow at extreme apex; tarsi slightly rufescent; tibiae spurs brown-yellow. Entire surface of the body covered by fine regular tessellation. Head approximate equal in length and width (Fig. 1). Supraclypeal area dulls. Clypeus slightly elongate, weakly convex; clypeal apex very shiny, the rest of surface dulled by chagrined, with small round shallow punctures; an impunctate longitudinal line pass through the middle. Labral process small, triangular. Flagellar segments 1 equal in length to segments 2-4. Pronotum, mesoscutum, scutellum, metanotum and propodeum finely chagrined, dull. Mesoscutum and scutellum minutely and sparse punctuate. Dorsal surface of propodeum broad, hairless and finely dull chagrined.

Propodeal corbicula with medium hairs in length on the upper part. Wing membrane hyaline, veins yellow. Trochanterial flocculus complete, sparse. Metasomal terga 1-5 minutely and scarce punctuated, finely chagrined. Terga with apical areas translucent, yellow pale. Hind tibiae and tarsi black, sometimes yellow-

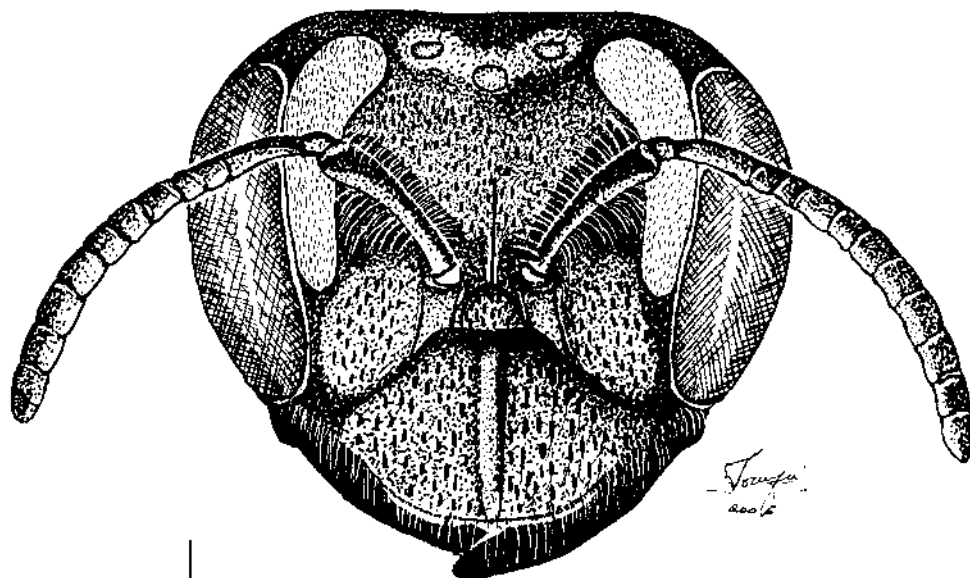


Fig. 1 – Front view of head of female (original). Scale: 2.5 mm.

brown. Tibial scopal hairs of moderate length. Prepygidial fimbria yellow. Pygidial plate V-shaped with narrow rounded apex.

There is not much information about geographical distribution of these species. Since now, it has been reported from North and Northwest of Russia, Ukraine (Osychnyuk, 1977), former Yugoslavia, Turkey to Lebanon (Alfken, 1935; Warncke, 1965, 1973, 1974). The flight period is May and June and corresponding with those found in foreign literature; according to the same literature this species was found collecting on inflorescences of *Barbarea vulgaris*, *Lepidium draba*, *Bunias orientalis*, *Erucastrum armoracioides*, *Sysimbrium arvensis*, *Isatis tinctoria*, *Ranunculus* (Osychnyuk, 1977).

This report raises the number of *Andrena* species recorded in Romania from 135 to 136 and improves the knowledge of geographical distribution of this species.

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PRIMA MENȚIONARE A SPECIEI *ANDRENA ANATOLICA* ALFKEN, 1935 (HYMENOPTERA: APOIDEA: ANDRENIDAE) ÎN ROMÂNIA

REZUMAT

Pe baza cercetărilor efectuate pe un material colectat din raza Parcului Național Măcin (nordul Dobrogei) autorul stabilește prezența speciei *Andrena anatolica* Alf., ridicând numărul speciilor de

Andrena cunoscute în România la 136. Se prezintă câteva elemente morfologice importante în identificarea speciei și repartiția geografică cunoscută până în prezent.

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