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***Atomaria bisulcata* nov.sp. (Cryptophagidae) from Iran**

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A b s t r a c t : One new species of *Atomaria* STEPHENS, 1829 from Iran described.

K e y w o r d s : Cryptophagidae, *Atomaria*, Palaearctic Region, Iran, new species.

Introduction

Among numerous specimens of Cryptophagidae collected by Sayeh Serri and Johannes Frisch from different regions of Iran the author found three specimens of an undescribed *Atomaria* species. The species is described below.

OTERO et al. (2017) mentioned 13 *Atomaria* species that were recorded from Iran, three more than JOHNSON et al. (2007) listed. *Atomaria pulchra* ERICHSON, 1846 is mentioned in JOHNSON (1993) but not listed in JOHNSON et al. (2007). OTERO et al. (2017) published records of *Atomaria fasciata* KOLENATI, 1846 and *A. munda* ERICHSON, 1846 for Iran first time. No one of the species is endemic to Iran, most of them are widely distributed in the Western Palaearctic or Palaearctic. The distribution of some species like *Atomaria vespertina* MÄKLIN, 1853 needs revision.

Material and methods

The material examined is deposited in the following collections:

MFNB.....Museum für Naturkunde, Berlin, Germany

cES.....author's private collection, Berlin, Germany

The morphological studies were conducted using a Euromex DZ-1605 and Euromex BB.1153.PLI. Photographs were created with a ToupCam 14MP (ToupTek).

Body length was measured from the head to the apex of the elytra, length of pronotum in the middle, broadness on the broadest part.

Description of new species

***Atomaria bisulcata* nov.sp.**

T y p e m a t e r i a l : Holotype ♂: "Iran, Azarbayian-e Sharqi, Osku: Amghan, 2100 m (Kuh-e Sahand), N37°49'38" E46°16'15", 08.08.2005, leg. Frisch & Serri [MFNB]. Paratypes: 2 ex. with the same data as the holotype [MFNB, cES].

E t y m o l o g y : The Latin word bisulcata means split due to the parameres which has a deep split.

D e s c r i p t i o n : Male, 1,4 mm, hindwings absent, uniformly dark reddish-brown. Body stout and convex, with coarse and dense puncture, the distance of puncture on pronotum (disc) and elytra (anterior third) like the diameter. Covered with short yellowish pubescence (fig. 1). Anterior part of margin of the pronotum not visible from above, medium part of the basis moderately depressed. Sides moderately angled before the middle. Posterior angles nearly rectangular. Elytra oviform, puncture in the posterior third less coarse. Antennae slender, club 3-segmented but not well developed. Segments 9, 10 and 11 elongated, segments 3 to 8 decreasing in length but increasing in width. Segment longer and wider than 3, segment 1 longer and wider than 2 and slightly curved. Legs slender, all tarsi 5-segmented, anterior tarsi in male inconspicuous widened. Aedoeagus with a paramere with a deep split (fig. 2).

C o m m e n t : More or less similar to a few species like *A. fuscata* (SCHÖNHERR, 1808) or *A. gibbula* ERICHSON, 1846 but separated by the parameres (fig. 2).

D i s t r i b u t i o n : Currently known from the type locality in Iran.

Acknowledgement

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Zusammenfassung

Eine Art der Gattung *Atomaria* STEPHENS, 1829 aus dem Iran wird beschrieben und mit ähnlichen Arten verglichen.

References

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Fig. 1-2: (1) *Atomaria bisulcata* nov.sp., holotype, habitus; (2) aedeagus.

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