

# ***Andrena (Holandrena) fimbriatoides* Scheuchl spec. nov. (Hymenoptera: Apoidea, Andrenidae), a new bee species from Jordan**

by Erwin Scheuchl, Matthias Schindler and Abdul Majeed Al-Ghzawi

**Abstract.** *Andrena (Holandrena) fimbriatoides* Scheuchl spec. nov. from Jordan is the closest relative of *Andrena fimbriata* Brullé, 1832. A differential diagnosis of this species and its closest relatives, with drawings of the glossae of *A. fimbriata* and *A. fimbriatoides* and the other species of the subgenus *Holandrena*, is given. Drawings of the genital capsules, basal flagellar segments and sternum 8 of *A. fimbriata* and *A. fimbriatoides* are also presented. The type locality is described.

**Kurzfassung.** *Andrena (Holandrena) fimbriatoides* Scheuchl spec. nov., eine neue Sandbienenart, wird aus Jordanien beschrieben. Sie ist mit *Andrena fimbriata* Brullé, 1832 am nächsten verwandt. Eine Differential-Diagnose von *A. fimbriatoides* mit Zeichnungen der Glossae von *A. fimbriata* und *A. fimbriatoides* sowie den anderen Arten des Subgenus *Holandrena* wird gegeben. Außerdem werden die Genitalkapseln, die basalen Fühlrglieder und Sternite 8 von *A. fimbriata* und *A. fimbriatoides* dargestellt. Der Typus Fundort wird beschrieben.

**Key words.** Taxonomy, systematics, new species, differential diagnosis, Jordan, Middle East.

The new bee species described here was found in a fruit-growing region in Jordan near Ajloun, 45 km north-west of Amman. The location is situated in the mountain range at the eastern border of the Jordan Valley (32°20'N, 35°47'E, 1150 m asl.). The diverse cultivated landscape consists of extensive orchards, wasteland, grassland and small areas of woodland. In terms of plant geography it belongs to the Mediterranean region (WALTER & BRECKLE 1984: 409, AL-EISAWI 1998). Our studies were carried out as part of a cooperative project on the diversity of bees and the pollination of different cultivars in the fruit-growing regions of Jordan.

## ***Andrena (Holandrena) fimbriatoides* Scheuchl spec. nov.**

### **Material**

Holotype: male, Jordan-Ajloun-E'bbin, 1.4.2002, leg. S. MAZARY. The holotype is deposited in the Oberösterreichisches Landesmuseum, Biologiezentrum, Linz (Austria).

### **Description**

Male. Body length: 10 mm. Colour: Body black, clypeus with the exception of apical margin and two minute black spots completely whitish; flagellum completely dark. – Pubescence: Hairs of dorsal side of head and thorax greyish-brown, hairs of clypeus and ventral side of