

Abstract

In this study, we studied Taxonomic of subfamily Opiinae (Hym., Braconidae) in alfalfa fields in East of Iran. Sampling has been carried out during 2012- 2013. All samples are collected by standard sweeping net. Totally, 500 samples were collected and isolated from each other base on morphological characters. sample placed on plates of triangular plaque for identification and prepared slides from antenna, fore wing, hind wing, hind leg, ovipositor, and mandible. Then take photos from different parts of samples bodies by Pixelink uScope digital camera. During this study, 9 species belonging 5 genera identified including: *Biophthora nigricolor*, *Opius (Opiothorax) levis*, *Opius (Opiothorax) magnicauda*, *Opius (Allophlebus) nigricolor*, *Opius (Opius) pallipes*, *Opius (Allophlebus) tabificus*, *Opiognathus propodealis*, *Utetes truncates* and *Xynobius decorates*. *Biophthora nigricolor*, *Opius (Allophlebus) nigricolor* and *Opiognathus propodealis* are new record for Iran fauna. Identification key to species is provided.

Key words: Faunal diversity, Diagnostic characters, Cyclothorax parasitoids, Biological control.



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Title:

**Taxonomic study of subfamily
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fields in East of Iran**

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