



## Five new records of Ichneumonidae (Hymenoptera: Ichneumonoidea) from Iran

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### Abstract:

In this faunistic paper, five new records of Ichneumonidae within three subfamilies, Cryptinae, Ctenopelmatinae, and Tryphoninae are represented for the fauna of Iran.

### Keywords

Ichneumonidae, fauna,  
new records and Iran.

### Introduction

The family Ichneumonidae (Hymenoptera) with 47 generally recognized subfamilies, 1,601 genera, and 25,292 described species (Yu *et al.*, 2016) is a rich taxon of all organisms with an estimated 60,000 species in the world (Townes, 1969). The fauna of Iranian Ichneumonidae has poorly been studied. Kolarov and Ghahari (2005) listed 144 species from 14 subfamilies and seven years later Barahoei *et al.* (2012) listed 502 species belonging to 189 genera and 24 subfamilies. More recently, many authors (Ghahari, 2014, 2016; Ghahari and Schwarz, 2011; Ghahari and Jussila, 2011, 2014a, b, 2015, 2016a, b, c; Ghahari *et al.*, 2014a, b; Ghahari and Gadallah, 2017 and Barahoei *et al.*, 2014a, b, 2015) have made contributions to the knowledge of the Iranian fauna. The purpose of this paper is introducing of five

Ichneumonidae species as new records for the fauna of Iran.

### Materials and methods

The Ichneumonidae recorded in this paper were sampled in five regions of Iran using malaise traps and sweeping net. Classification, nomenclature and distributional data suggested by Yu *et al.* (2016) have been followed.

### Results and discussion

In this paper, five ichneumonid species in five genera, *Absyrtus* Holmgren, 1859; *Cycasis* Townes, 1965; *Labrossyta* Förster, 1869; *Netelia* Gray, 1860, and *Zoophthora* Förster, 1869 under three subfamilies Cryptinae, Ctenopelmatinae, and Tryphoninae are given as new country records.

#### 1. Subfamily Cryptinae Kirby, 1837

**1.1. Genus *Zoophthorus* Förster,  
1869**

**1.1.1. *Zoophthorus graculus*  
(Gravenhorst, 1829)**

**Material examined:** East Azarbaijan province, Arasbaran forest, 1♀, August 2007.

**General distribution:** Belgium, Bulgaria, Canada, Czechoslovakia, Finland, France, Germany, Hungary, Lithuania, Mexico, Mongolia, Netherlands, Norway, Poland, Romania, Spain, Sweden, Turkey, United States of America and United Kingdom.

**2. Subfamily Ctenopelmatinae  
Förster, 1869**

**2.1. Genus *Absyrtus* Holmgren, 1859**

**2.1.1. *Absyrtus vicinator* (Thunberg,  
1824)**

**Material examined:** Guilan province, Talesh, Gisum forest, 2♀♀, September 2010.

**General distribution:** Austria, Azerbaijan, Belarus, Belgium, Bulgaria, Czech Republic, former Czechoslovakia, Finland, France, Germany, Hungary, Japan, Latvia, Libya, Lithuania, Netherlands, Norway, Poland, Romania, Russia, Serbia, Spain, Sweden, Switzerland, Turkey, United Kingdom and former Yugoslavia.

**2.2. Genus *Labrossyta* Förster, 1869**

**2.2.1. *Labrossyta scotoptera*  
(Gravenhorst, 1820)**

**Material examined:** Kordestan province, Saqez, 1♀, July 2013.

**General distribution:** Austria, Azerbaijan, Bulgaria, former Czechoslovakia, Finland, France, Germany, Greece, Hungary, Italy,

Poland, Romania, Spain, Switzerland, Turkey and United Kingdom.

**3. Subfamily Tryphoninae  
Shuckard, 1840**

**3.1. Genus *Cycasis* Townes, 1965**

**3.1.1. *Cycasis rubiginosa*  
(Gravenhorst, 1829)**

**Material examined:** Golestan province, Golestan National Park, 1♂, July 2011.

**General distribution:** Albania, Austria, Azerbaijan, Belarus, Belgium, Bulgaria, former Czechoslovakia, Finland, France, Germany, Hungary, Italy, Kazakhstan, Kyrgyzstan, Latvia, Moldova, Mongolia, Netherlands, Norway, Poland, Romania, Russia, Spain, Sweden, Switzerland, Turkmenistan, Ukraine and United Kingdom.

**3.2. Genus *Netelia* Gray, 1860**

**3.2.1. *Netelia (Prosthodocis) japonica*  
(Uchida, 1928)**

**Material examined:** Semnan province, Shahrud, Jangal-e Abr, 2♀♀, 1♂, June 2011.

**General distribution:** Armenia, Azerbaijan, Belarus, Bosnia Hercegovina, Bulgaria, China, former Czechoslovakia, France, Georgia, Germany, India, Italy, Japan, Kazakhstan, Moldova, Montenegro, Russia, Serbia, Switzerland, Taiwan, Turkey, Ukraine and former Yugoslavia.

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