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A study of Ichneumonidae (Hymenoptera) from North Eastern Turkey

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A b s t r a c t : Faunistic data of 26 species from Turkey are reported. Six species, marked in the text by asterisk, are new records for Turkish fauna. A zoogeographic characterisation is proposed for each species.

K e y w o r d s : Ichneumonidae, Hymenoptera, Turkey, new records, zoogeography.

Introduction

The Ichneumonidae fauna of Turkey is not well studied. More of known species are from European and Western part of the country. In the catalogue of KOLAROV (1995) 383 species were listed from Turkey. Lately some new contributions from North Eastern Turkey (KOLAROV et al. 1999; ÇORUH et al. 2002; ÇORUH & ÖZBEK 2008; RIEDEL et al. 2010, etc.) have been made. In the present paper unpublished data for 26 species from North Eastern Turkey are reported. Six species, marked in the text by asterisk, are new records for Turkish fauna. A zoogeographic characterisation is proposed for each species.

Material and Methods

Samples were collected by sweeping with a hand net and Malaise traps (MLST). The stuffing and taxonomical identification of collected material was carried out in the University of Plovdiv. The materials are preserved in the collection of the first author.

Results¹

List of the species

Subfam. B a n c h i n a e

¹ Species marked with "*" are new records for Turkey.

***Banchus palpalis* RUTHE 1859**

M a t e r i a l : Rize, Ikizdere, Ovit Mt., 2500 m, 22.07.2002, 1 ♀.

D i s t r i b u t i o n : Germany, Latvia, Turkey, China-Jilin, Greenland, Iceland and North America.

Subfam. C r e m a s t i n a e

***Pristomerus armatus* (LUCAS 1849)**

M a t e r i a l : Bingöl, Bilaloglu, 9.06.2001, 1100 m, 1 ♀.

D i s t r i b u t i o n : Algeria, Morocco, Europe, Georgia, Dagestan, Turkey, Armenia, Kyrgyzstan, Turkmenistan, Uzbekistan and Siberia.

***Eucremastoides angelovi* KOLAROV 1980**

M a t e r i a l : Gümüşhane, SE 25 km Bayburt, 19.06.2001, 1 ♂.

D i s t r i b u t i o n : Bulgaria and Turkey.

Subfam. C r y p t i n a e

***Colocnema* sp.**

M a t e r i a l : Erzincan, Avcilar, 16.06.2000, 1350 m, 1 ♂.

***Latibulus argiolus* (ROSSI 1790)**

M a t e r i a l : Erzincan, Avcilar, 16.06.2000, 1350 m, 1 ♀.

D i s t r i b u t i o n : Tunisia, Europe, Turkey, Cyprus, Kyrgyzstan, Uzbekistan, Tajikistan, Kazakhstan and Amur region of Russia.

Subfam. C t e n o p e l m a t i n a e

****Saotis morleyi* FITTON 1976**

M a t e r i a l : Erzurum, University Campus, 1650 m, 7.06.2005, 1 ♀, on *Salix* sp.

D i s t r i b u t i o n : Sweden, Norway, Finland, United Kingdom, Germany and Switzerland.

***Scolobates nigripennis* SICHEL 1860**

M a t e r i a l : Kars, Sarikamis, TCK fountain (MLST), 1500 m, 1-14.07.2004, 1 ♀.

D i s t r i b u t i o n : South Europe, Ukraine and Turkey.

Subfam. D i p l a z o n t i n a e

***Diplazon laetatorius* (FABRICIUS 1781)**

M a t e r i a l : Erzincan, Avcilar, 16.06.2000, 1330 m, 1 ♀.

D i s t r i b u t i o n : Cosmopolitan species.

***Syrphoctonus tarsatorius* (PANZER 1809)**

M a t e r i a l : Erzurum, Askale, Ortabahce, 25.05.2005, 2000 m, 1 ♀; Bingol, Bilaloglu, 1100 m, 9.06.2001, 1 ♀.

D i s t r i b u t i o n : Holarctic and Oriental region.

****Syrphophilus asperatus* DASCH 1964**

M a t e r i a l : Erzurum, Askale, Ortabahce, 25.05.2005, 2000 m, 1 ♀.

D i s t r i b u t i o n : Belgium, Luxembourg and Alaska.

Subfam. I c h n e u m o n i n a e

***Colpognathus* sp.**

M a t e r i a l : Iğdir, Tuzluca, 1100 m, 23.06.2010, 1 ♀.

***Spilothyrates illuminatorius* (GRAVENHORST 1820)**

M a t e r i a l : Erzincan, Avcilar, 16.06.2000, 1330 m, 1 ♂.

D i s t r i b u t i o n : Algeria, Europe, Azerbaijan and Turkey.

Subfam. M e t o p i i n a e

***Colpotrochia cincta* (SCOPOLI 1763)**

M a t e r i a l : Erzurum, Tortum, Esendurak, 11.09.2001, 1500 m, 1 ♂.

D i s t r i b u t i o n : Palaearctic region.

***Colpotrochia triclitor* (AUBERT 1979)**

M a t e r i a l : Kars, Sarikamis, Karakurt, TCK fountain (MLST), 1500 m, 2-27.07.2006, 1 ♂ 1 ♀; Erzincan, Avcilar, 16.06.2000, 1350 m, 1 ♂.

D i s t r i b u t i o n : Turkey.

****Lapton femoralis* NEES 1816**

M a t e r i a l : Kars, Sarikamis, Karakurt, TCK fountain (MLST), 1500 m, 14.06.-1.07.2004, 1 ♂ 1 ♀.

D i s t r i b u t i o n : Europe.

****Metopius (Metopius) septemcinctus* CLÉMENT 1930**

M a t e r i a l : Erzurum, Askale, Ortabahce, 25.05.2005, 2000 m, 1 ♀.

D i s t r i b u t i o n : Armenia.

Subfam. O r t h o c e n t r i n a e

****Hyperacmus crassicornis* (GRAVENHORST 1829)**

M a t e r i a l : Ardahan, 17.08.2004, 2015 m, 1 ♂.

D i s t r i b u t i o n : Holarctic and Oriental region.

Subfam. Phruinae

***Phaestacoenitus niger* KASPARYAN 1983**

M a t e r i a l : Erzincan, Kemah, 1200 m, 25.05.2001, 1♂.

D i s t r i b u t i o n : Azerbaijan, Georgia, Turkey, Dagestan, Kazakhstan, Tajikistan, Kyrgyzstan and Turkmenistan.

Subfam. Pimplinae

***Paraperithous gnathaulax* (THOMSON 1877)**

M a t e r i a l : Kars, Sarikamis, Karakurt – TCK fountain (MLST), 16.09-7.10.2004, 1♀.

D i s t r i b u t i o n : Europe, Azerbaijan, Turkey and Pacific coast of Russia.

***Scambus nigricans* (THOMSON 1877)**

M a t e r i a l : Erzurum, Askale, Ortabahce, 25.05.2005, 1♂; Kars, Sarikamis, TCK fountain, 6.10.2000, 1♀.

D i s t r i b u t i o n : Palaearctic region.

***Tromatobia ornata* (GRAVENHORST 1829)**

M a t e r i a l : Kars, Sarikamis, Karakurt – TCK fountain, 6.10.2000, 1♀.

D i s t r i b u t i o n : Europe, Azerbaijan, Turkey, Israel and Pakistan.

***Tromatobia variabilis* (HOLMGREN 1856)**

M a t e r i a l : Erzurum, Dumlu Kosk, 26.05.2002, 1850 m, 1♂.

D i s t r i b u t i o n : Holarctic region.

****Clistopyga canadensis* PROVANCHER 1880**

M a t e r i a l : Erzurum, Senkaya, Soganli Mt., 2450 m, 1♂.

D i s t r i b u t i o n : Europe and North America.

***Zabrachypus primus* CUSHMAN 1920**

M a t e r i a l : Erzurum, Oltu, Kalebogazi, 1450 m, 18.09.2001, 1♂.

D i s t r i b u t i o n : Holarctic region.

***Zabrachypus* sp.**

M a t e r i a l : Kars, Aras Valley, TCK fountain, 23.05.2001, 1500-1600 m, 1♀.

***Itopectis alternans* (GRAVENHORST 1829)**

M a t e r i a l : Bingol, Bilaloglu, 9.06.2001, 1100 m, 2♂♂.

D i s t r i b u t i o n : Holarctic and Oriental region.

***Pimpla rufipes* (MILLER 1759)**

M a t e r i a l : Kars, Sarikamis, TCK fountain, 6.10.2000, 1 ♂.

D i s t r i b u t i o n : Palaearctic and Oriental region.

***Strongyloopsis* sp.**

M a t e r i a l : Erzurum, Ilica, Atlikonak, 8.06.2001, 2000-2400 m, 1 ♂.

***Strongyloopsis belua* KUZIN 1950**

M a t e r i a l : Erzurum, Askale, Kandilli, 1700 m, 20.07.2001, 1 ♀.

D i s t r i b u t i o n : Ukraine, Azerbaijan, Armenia, Turkey, Kyrgyzstan, Kazakhstan, Mongolia and Siberia.

Subfam. T r y p h o n i n a e

***Acrotomus succinctus* (GRAVENHORST 1829)**

M a t e r i a l : Erzurum, Askale, Ortabahce, 25.05.2005, 2000 m, 1 ♂.

D i s t r i b u t i o n : Holarctic and Oriental region.

***Ctenochira* sp.**

M a t e r i a l : Erzurum, Senkaya, Soganli Mt., 2450m, 12.07.2005, 1 ♂.

Zoogeographical characterisation

The zoogeographic characterisation follows the chorotype classification of the Near East fauna, proposed by TAGLIANTI et al. (1999). After investigation of the recent geographic distribution of the species listed above, they can be divided into the following groups:

1. Cosmopolitan species: *Diplazon laetatorius*.
2. Species with ranges in two zoogeographic regions (mainly Holarctic and Oriental region): *Syrphoctonus tarsatorius*, *Hyperacmus crassicornis*, *Itopectis alternans*, *Pimpla rufipes* and *Acrotomus succinctus*.
3. Species with Holarctic chorotypes: *Banchus palpalis*, *Syrphophilus asperatus*, *Tromatobia variabilis*, *Clistopyga canadensis* and *Zabrachypus primus*.
4. Palaearctic species: *Colpotrochia cincta*, *Paraperithous gnathaulax* and *Scambus nigricans*.
5. Species with Sibero-European chorotypes: *Pristomerus armatus*, *Latibulus argiolus* and *Strongyloopsis belua*.
6. European species: *Saotis morleyi*, *Scolobates nigripennis*, *Lapton femoralis* and *Spilothyrates illuminatorius*.
7. Species with Turanian chorotype: *Phaestacoenitus niger*.
8. Species with Turano-European range: *Tromatobia ornata*.

9. Species with subendemic ranges: *Eucremastoides angelovi* with Balkano-Anatolian chorotype and *Metopius (Metopius) septemcinctus* with Armeno-Anatolian chorotype.
10. Anatolian endemic: *Colpotrochia triclistor*.

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Zusammenfassung

Vorliegende Arbeit gibt faunistische Daten zu 26 Ichneumonidae-Arten (Hymenoptera) aus der Türkei. 6 Spezies erwiesen sich als neu für das Untersuchungsgebiet. Für jede angeführte Art wurde eine zoogeografische Bewertung angeführt.

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