

Linzer biol. Beitr.	39/1	105-109	23.7.2007
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## The present situation of the Vespidae-fauna of Turkey (Hymenoptera: Vespidae)

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**A b s t r a c t :** This study is based upon material of family Vespidae collected from different localities of Turkey between 2005 and 2006, and the other related studies on the Vespidae in Turkey were reviewed. Including the new taxa determined in this study a total of 298 species and subspecies from 52 genera were recorded from Turkey up to now. *Stenodynerus pullus* GUSENLEITNER 1981 is new record for Turkish fauna. In addition, new localities have been found for some species and subspecies which have already been reported in Turkey

**K e y w o r d s :** Hymenoptera, Vespidae, fauna, new records, Turkey.

### Introduction

Total 291 species and subspecies belonging to 52 genera of Vespidae were recorded from Turkey (YILDIRIM & GUSENLEITNER 2004).

GUSENLEITNER (2004) described *Pterocheilus multimaculatus* from Nevşehir, *Brachydynerus chloroticus* from Kars (Kağızman) and *Brachypipona orientalis* from Sivas (Gürün); GUSENLEITNER (2006) recorded *Microdynerus urdunus* GUSENLEITNER 2004 from Bitlis (Tatvan) and described *Cyrtolabulus anatolicus* GUSENLEITNER 2006 from Mardin, *C. mutinensis* GUSENLEITNER 2006 from İçel (Mut, Setavul), *C. yildirimi* GUSENLEITNER 2006 from Hakkari (Beytüşşebap, Habur Deresi) in Turkey. Separately, GUSENLEITNER 2006 recorded *Leptochilus micans* GIORDANI SOIKA 1986 as a synonym of *Microdynerus nugdunensis* (SAUSSURE 1856)

In this study, the present situation of Vespidae species and subspecies of Turkey is evaluated. Including the new taxa determined in this study a total of 298 species and subspecies belonged to 52 genera from family Vespidae were recorded from Turkey up to now.

The material of the Vespidae was collected from different localities of Turkey in 2005-2006. Provinces of the collected specimens are given in alphabetical order in the following list. The material is deposited in the Entomology Museum, Erzurum, Turkey (EMET).

## Results

### Subfamily Vespinae

#### *Vespa orientalis orientalis* LINNAEUS 1771

Material examined: İçel: Aydıncık, 10 m, 27.VII.2005, 7♀♀, 6.VIII.2006, 10♀♀.

#### *Vespa (Paravespa) germanica* (FABRICIUS 1793)

Material examined: İçel: Aydıncık, 10 m, 6.VIII.2006, 5♀♀

### Subfamily Polistinae

#### *Polistes (Polistes) dominulus dominulus* (CHRIST 1791)

Material examined: İçel: Aydıncık, 10 m, 27.VII.2005, 7♀♀, 6.VIII.2006, 3♀♀, 4♂♂.

#### *Polistes (Polistes) gallicus* (LINNAEUS 1767)

Material examined: Elazığ: Kovancılar, 1100 m, 23.VII.2005, 8♀♀; İçel: Aydıncık, 10 m, 6.VIII.2006, 9♀♀; Konya: Güneysınır, Gurağaç, 1020 m, 27.VII.2005, 8♀♀; Malatya: Çiğlık, 1150 m, 23.VII.2005, 3♀♀.

#### *Parapolybia escalerae* MEADE- WALDO 1911

Material examined: Van: Erçiş, 26.VII.2002, 2♀♀.

### Subfamily Eumeninae

#### *Odynerus (Odynerus) melanocephalus armeniacus* (MORAWITZ 1885)

Material examined: Bingöl: Ilıcalar, İçpınar, Derikmezrası, Paşaçeşmesi, 1100 m, 28.V.2006, 13♀♀, 8♂♂.

#### *Hemipterochilus aberrans* (MORAWITZ 1885)

Material examined: Kars: Sarıkamış, Karakurt, 1650 m, 23.VI.2005, ♂.

#### *Onychopterocheilus ecarinatus* (MORAWITZ 1895)

Material examined: Kars: Sarıkamış, Karakurt, 1650 m, 23.VI.2005, ♂.

#### *Alastor (Alastor) pentheri* KOHL 1905

Material examined: Konya: Güneysınır, Gurağaç, 1020 m, 27.VII.2005, ♀.

***Microdynerus (Microdynerus) curdistanicus* GUSENLEITNER 1988**

Material examined: Malatya: Çıglık, 1150 m, 23.VII.2005, ♀.

***Leptochilus (Neoleptochilus) regulus* (DE SAUSSURE 1855)**

Material examined: İçel: Aydıncık, 10 m, 27.VII.2005, 3 ♂♂, 6.VIII.2006, 2 ♂♂.

***Tachyancistrocerus rhodensis* (DE SAUSSURE 1855)**

Material examined: İçel: Aydıncık, 10 m, 27.VII.2005, 4 ♀♀, 6.VIII.2006, 2 ♀♀.

***Jucancistrocerus jucundus* (MOCSARY 1883)**

Material examined: İçel: Aydıncık, 10 m, 6.VIII.2006, 3 ♂♂.

***Eustenancistrocerus (Parastenancistrocerus) amadanensis amadanensis* (DE SAUSSURE 1885)**

Material examined: İçel: Aydıncık, 10 m, 6.VIII.2006, 2 ♀♀, 6 ♂♂; Konya: Güneysınır, Gurağaç, 1020 m, 27.VII.2005, 16 ♀♀, 12 ♂♂.

***Stenodynerus pullus* GUSENLEITNER 1981**

Material examined: Erzurum: Himis, Söylemez, 1750 m, 26.VIII.2005, ♀.

New for the Turkish fauna.

***Stenodynerus fastidiosissimus difficilis* (MORAWITZ 1867)**

Material examined: Erzurum: Aşkale, Ortabahçe, 2000 m, 4.VII.2005, ♀.

***Stenodynerus chevrieranus* (DE SAUSSURE 1855)**

Material examined: Konya: Güneysınır, Gurağaç, 1020 m, 27.VII.2005, 2 ♀♀.

***Antepipona deflenda* (S.S. SAUNDERS 1853)**

Material examined: İçel: Aydıncık, 10 m, 27.VII.2005, ♀, ♂; Kars: Digor, Bostankale, 17.VII.2005, ♀; Konya: Güneysınır, Gurağaç, 1020 m, 27.VII.2005, 3 ♀♀.

***Antepipona albosignata* GUSENLEITNER 1986**

Material examined: Konya: Cumra, Dinlendik, 1015 m, 18.VIII.2005, ♀.

***Antepipona orbitalis orbitalis* (HERRICH-SCHAEFFER 1839)**

Material examined: Konya: Cumra, Beylerce, 1015 m, 26.VIII.2005, ♀.

***Antepipona orbitalis ballioni* (MORAWITZ 1867)**

Material examined: Erzurum: Aşkale, Ortabahçe, 2000 m, 4.VII.2005, ♂.

***Antepipona laevigata* (BLÜTHGEN 1951)**

Material examined: Konya: Güneysınır, Güragaç, 1020 m, 27.VII.2005, ♀.

***Allodynerus floricola* (SAUSSURE 1853)**

Material examined: İçel: Aydıncık, 10 m, 27.VII.2005, ♀, 6.VIII.2006, 2♀♀.

***Euodynerus (Pareuodynerus) posticus* (HERRICH-SCHAEFFER 1841)**

Material examined: İçel: Aydıncık, 10 m, 27.VII.2005, ♂, 6.VIII.2006, ♀, ♂.

***Euodynerus (Euodynerus) disconotatus disconotatus* (LICHTENSTEIN 1884)**

Material examined: İçel: Aydıncık, 10 m, 27.VII.2005, 5♂♂, 6.VIII.2006, 3♂♂.

***Rhynchium oculatum hebraeum* GIORDANI SOİKA 1952**

Material examined: İçel: Aydıncık, 10 m, 27.VII.2005, ♂, 6.VIII.2006, ♂.

***Eumenes mediterraneus mediterraneus* KRIECHBAUMER 1879**

Material examined: Erzurum: Hınıs, Söylemez, 1750 m, 26.VIII.2005, 2♂♂; İçel: Aydıncık, 10 m, 27.VII.2005, 3♀♀, 3♂♂, 6.VIII.2006, 2♀♀, 7♂♂; Konya: Cumra, Beylerce, 1015 m, 26.VIII.2005, 2♂♂.

***Eumenes sareptanus sareptanus* Andre 1884**

Material examined: İçel: Aydıncık, 10 m, 6.VIII.2006, 3♀♀.

***Eumenes dubius dubius* DE SAUSSURE 1852**

Material examined: İçel: Aydıncık, 10 m, 27.VII.2005, 4♂♂, 6.VIII.2006, ♂; Kars: Sarıkamış, Karakurt, 1600 m, 23.VI.2005, 2♂♂; Konya: Güneysınır, Güragaç, 1020 m, 27.VII.2005, 6♂♂.

***Eumenes coronatus detonsus* BLÜTHGEN 1943**

Material examined: Konya: Güneysınır, Güragaç, 1020 m, 27.VII.2005, ♂.

***Eumenes punctaticlypeus punctaticlypeus* GIORDANI SOİKA 1943**

Material examined: Kars: Sarıkamış, Karakurt, 1600 m, 23.VI.2005, ♀.

***Eumenes pomiformis* (FABRICIUS 1781)**

Material examined: Konya: Güneysınır, Güragaç, 1020 m, 27.VII.2005, ♀, 3♂♂.

***Katamenes flavigularis* (BLÜTHGEN 1951)**

Material examined: Kars: Sarıkamış, Karakurt, 1600 m, 23.VI.2005, ♂; Konya: Güneysınır, Güragaç, 1020 m, 27.VII.2005, ♀.

**Subfamily M a s a r i n a e**

***Ceramius palaestinensis* GIORDANI SOIKA 1957**

**M a t e r i a l e x a m i n e d :** Bingöl: Ilcalar, İçpınar, Derikmezrası, Paşaçeşmesi, 1100 m, 28.V.2006, 12 ♀♀, 4 ♂♂.

**Zusammenfassung**

Diese Studie umfasst Aufsammlungen an Vespidae, welche in den Jahren 2005 und 2006 an verschiedenen Orten der Türkei durchgeführt wurden. Einbezogen wurden auch in anderen Arbeiten veröffentlichte Taxa. Dies ergab 298 Arten und 52 Gattungen, welche bisher in der Türkei aufgefunden wurden. Zusätzlich werden neue Fundorte von Arten oder Unterarten, welche in früheren Veröffentlichungen bereits behandelt wurden, bekanntgegeben.

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Zeitschrift/Journal: [Linzer biologische Beiträge](#)

Jahr/Year: 2007

Band/Volume: [0039\\_1](#)

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Artikel/Article: [The present situation of the Vespidae-fauna of Turkey \(Hymenoptera: Vespidae\) 105-109](#)