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The present situation of the Vespidae-fauna (Hymenoptera, Aculeata) of Turkey

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A b s t r a c t : The present situation of Vespidae species of Turkey were evaluated. Including the new taxa determined in this study, a total of 289 species and subspecies belonging to 52 genera were recorded up to now. From subfamily Eumeninae and Masarinae *Quartinia popovi* GUSSAKOVSKII 1936, *Jucancistrocerus caspicus* GIORDANI SOİKA 1970, *Microdynerus* (*Microdynerus*) *aegaeicus* GUSENLEITNER 1998 and *Odynerus fulvitarsis* (MORAWITZ 1895) are new records for the Turkish fauna. In addition, new localities were found for some species and subspecies previously known in Turkey.

K e y w o r d s : Hymenoptera, Vespidae, Eumeninae, Polistinae, Vespinae, Fauna, Turkey.

Introduction

Total 280 species and subspecies belonging to 52 genera of Vespidae were recorded from Turkey (YÝLDÝRÝM & KOJIMA 1999).

GUSENLEITNER (2000a, 2000b) recorded *Microdynerus aegaeicus* GUSENLEITNER 1998 from Muðla (Fethiye, Patara) and described *Stenodynerus haladaorum* GUSENLEITNER 1999 from Kahramanmara, *Microdynerus rubiculus* GUSENLEITNER 2000 from Kahra (Adiyaman), *Acanthodynerus multimaculatus* GUSENLEITNER 2000 from Nemrut Dagi mt., 50 km NE of Kanta, *Hemipterochilus simplex* GUSENLEITNER 2000 from Hakkari, (Yüksekova), Sivas (Gürün), Bitlis (Adilcevaz), Ağrı, Van (Gevaş, Başkale) in Turkey. ÓZBAY & BILGIN (1997) recorded *Paravespa quadricolor* MORAWITZ, 1885 (no locality) from Turkey. GUSENLEITNER (2000a) recorded *Parodontodynerus ephippium anatoliae* GIORDANI SOİKA 1952 as a synonym of *P. e. ephippium* (KLUG 1817).

TÜZÜN & TANYOLAÇ (1988a, b) reported a study about Eumenidae species found in Aegean Region of Turkey depending on the translation of BERLAND (1928) work without respecting scientific data or findings. On the basis of our experience and knowledge, the existence of the most of species in Turkey described by TÜZÜN & TANYOLAÇ (1988a, b) is questionable, or may even not be possible. We believed that the same mistake was repeated by TÜZÜN et al. (2000). Thus, the scientific conflicts in the article of TÜZÜN et al. (2000) were criticised by GUSENLEITNER (2001) in great detail.

In this study, the last situation of Vespidae species of Turkey were evaluated. Including the new taxa determined, a total of 288 species and subspecies belonging to 52 genera were recorded up to now. The material of the family Vespidae was collected from different localities of Turkey in the last years.

Results

Masarinæ

Quartinia popovi GUSSAKOVSKII 1936, New for Turkish fauna

Material examined: Van: Gevas, 2.7.2000, 2♀ ♀, 1♂, leg. M. Halada, coll. Biologiezentrum des Oberösterreichischen Landesmuseum, Linz.

Until now this species was known only from Central Asia.

Eumeninæ

Alastor (Alastor) mocsaryi (ANDRE 1884)

Synonym: *Alastor (Alastor) bieglenbeni* GIORDANI SOİKA 1942

Material examined: Kars: Sarıkamış, 1700 m, 17.VIII.1998, ♂; Konya: Güneysinir, Gürğaç, 1017 m, 8.VII.2000, ♀, ♂.

Ancistrocerus claripennis ponticus GIORDANI SOİKA 1970

Material examined: Rize: Çamlıhemşin, Ayder, 1200 m, 30.VII.2000, ♀, İkizdere, Çamlık, 1600 m, 29.VII.2000, ♀, Ovit Mt., 2600 m, 29.VII.2000, ♂.

Ancistrocerus o. oviventris (WESMAEL 1836)

Material examined: Rize: Ballıköy, 2300 m, 5.VIII.1998, ♂, Çamlıhemşin, 1200 m, 30.VII.2000, ♂.

Ancistrocerus scoticus (CURTIS 1826)

Material examined: Rize: İkizdere, Ovit Mt., 2600 m, 11.VIII.2000, 4♀ ♀, 18♂ ♂.

Antepipona o. orbitalis (HERRICH-SCHAEFFER 1839)

Material examined: Rize: İkizdere, Çamlık, 1600 m, 29.VII.2000, ♀.

Brachydynerus kusdasi GUSENLEITNER 1967

Material examined: Bitlis: Adilcevaz, 1850 m, 20.VII.1999, ♂; Konya: Güneysinir, Gürğaç, 1017 m, 3.IX.2000, ♂.

Eumenes c. coarctatus LINNAEUS 1758

Material examined: Konya: Güneysinir, Gürğaç, 1017 m, 3.IX.2000, ♂.

Eumenes coronatus detonans BLÜTHGEN 1943

Material examined: Niğde: Ulukışla, Çiftehan, 1050 m, 8.VIII.1999, 2♀ ♀.

Euodynerus (Euodynerus) hellenicus BLÜTHGEN 1942

Material examined: Bitlis: Adilcevaz, 1850 m, 20.VII.1999, ♂.

Euodynerus (Euodynerus) s. semisaecularis DALLA TORRE 1889

M a t e r i a l e x a m i n e d : Konya: Güneysünir, Güragaç, 1017 m, 11.VI.1999, ♂, 4.VII.1999, ♀.

Eustenancistrocerus (Parastenancistrocerus) a. amadanensis (SAUSSURE 1885)

M a t e r i a l e x a m i n e d : Konya: Güneysünir, Güragaç, 1017 m, 3.IX.2000, 4♀♂, 3♂♂.

Jucancistrocerus caspicus GIORDANI SOİKA 1970, New for the Turkish fauna

M a t e r i a l e x a m i n e d : Bingöl: Solhan, 2120 m, 25.VII.2000 m, ♀.

Distribution in the world: Iran, Daghestan (GIORDANI SOİKA 1970; VECHT & FISCHER 1972).

Katamenes sichelii tauriae (GIORDANI SOİKA 1960)

M a t e r i a l e x a m i n e d : Konya: Güneysünir, Güragaç, 1017 m, 11.VI.1999, ♀, 3.IX.2000, ♀.

Microdynerus (Microdynerus) aegaeicus GUSENLEİTNER 1998,

New for the Turkish fauna.

M a t e r i a l e x a m i n e d : Antalya: Beldibi, 23.4.-5.5.1988, ♂, leg. H. Wolf; Side, 23.4.1973, ♂, leg. K. Warncke; Muğla: Fethiye, Patara, 14.4.1998, 5♂♂, leg. W. Arens.

Until now this species was known only from Samos.

Microdynerus (Alastorynerus) microdynerus (DALLA TORRE 1889)

M a t e r i a l e x a m i n e d : Kars: Sarıkamış, Karakurt, 1500 m, 2.VI.1999, ♂.

Microdynerus (Microdynerus) longicollis MORAWITZ 1895

M a t e r i a l e x a m i n e d : Kars: Sarıkamış, Karakurt, 1500 m, 2.VI.1999, ♀.

Odynerus (Spinicoxa) albopictus calcaratus (MORAWITZ 1885)

M a t e r i a l e x a m i n e d : Kars: Sarıkamış, Karakurt, 1500 m, 2.VI.1999, ♀; Sivas: Türkşelik, 1700 m, 16.VII.1999, ♀, 5♂♂.

Odynerus fulvitarsis (MORAWITZ 1895), New for the Turkish fauna.

M a t e r i a l e x a m i n e d : Erzurum: Uzundere, 1100 m, 13.V.2000, ♂.

Distribution in the world: Transcaucasia, Kazakhstan (VECHT & FÝSCHER 1972).

Onychopterocheilus h. hellenicus MORAWITZ 1885

M a t e r i a l e x a m i n e d : Kars: Sarıkamış, Karakurt, 1500 m, 2.VI.1999, ♀.

Paravespa g. grandis (MORAWITZ 1885)

M a t e r i a l e x a m i n e d : Konya: Güneysünir, Güragaç, 1017 m, 8.VII.2000, ♂, 21.VIII.1998, ♂.

Pseudepipona (Deuterepipona) ionia clausa GIORDANI SOİKA 1943

M a t e r i a l e x a m i n e d : Konya: Güneysünir, Güragaç, 1017 m, 3.IX.2000, ♀.

***Raphiglossa e. eumenoides* S.S.SAUNDERS 1850**

M a t e r i a l e x a m i n e d : Bitlis: Adilcevaz, Yıldız, 1950 m, 15.VII.1999, 2♂ ♂.

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

M a t e r i a l e x a m i n e d : Bitlis: Adilcevaz, Yıldız, 1950 m, 15.VII.1999, ♂.

***Symmorphus (Symmorphus) gracilis* (BRULLÈ 1832)**

M a t e r i a l e x a m i n e d : Konya: Güneysünur, Gürağac, 1017 m, 8.VII.2000, ♀.

***Syneuodynerus e. egregius* (HERRICH-SCHAEFFER 1839)**

M a t e r i a l e x a m i n e d : Kars: Sarıkamış, Karakurt, 1700 m, 4.VI.2000, ♂.

P o l i s t i n a e

***Polistes (Polistes) atrimandibularis* ZIMMERMANN 1930**

M a t e r i a l e x a m i n e d : Konya: Beyşehir, 5.VII.1998, ♀, Çumra, Kuzucu, 1000 m, 20.VII.2000 m, 2♂ ♂; Rize: İkizdere, Ovit Mt., 2600 m, 11.VIII.2000, 2♂ ♂.

***Polistes (Polistes) biglumis* (LINNAEUS 1758)**

M a t e r i a l e x a m i n e d : Konya: Güneysünur, Gürağac, 1017 m, 20.VI.1999, 2♂ ♀; Rize: İkizdere, Ovit Mt., 2600 m, 11.VIII.2000, 2♀ ♀.

***Polistes (Polistes) sulcifer* (ZIMMERMANN 1930)**

M a t e r i a l e x a m i n e d : Ankara: Haymana, 21.VIII.1997, 2♂ ♂; Nevşehir: Ürgüp, Aksalım, 1600 m, 13.VIII.1999, ♂; Rize: İkizdere, Ovit Mt., 2600 m, 11.VIII.2000, 2♀ ♀.

V e s p i n a e

***Dolichovespula (Boreovespula) norwegica* (FABRÍCIUS 1781)**

M a t e r i a l e x a m i n e d : Rize: İkizdere, Çamlık, 1600 m, 29.VII.2000, 2♂ ♂, Ovit Mt., 2600 m, 29.VII.2000, ♂.

***Dolichovespula (Dolichovespula) media* (RETZIUS 1783)**

M a t e r i a l e x a m i n e d : Rize: İkizdere, Çamlık, 1600 m, 29.VII.2000, ♂.

***Dolichovespula (Pseudovespula) omissa* (BISCHOFF 1931)**

M a t e r i a l e x a m i n e d : Kars: Sarıkamış, Karakurt, 2.V.2000 ♀.

***Dolichovespula (Pseudovespula) adulterina* (du BUYSSON 1905)**

M a t e r i a l e x a m i n e d : Rize: İkizdere, Çamlık, 1600 m, 29.VII.2000, 2♂ ♂.

Vespula (Paravespula) vulgaris (LINNAEUS 1758)

M a t e r i a l e x a m i n e d : Adiyaman: Besni, 29.VIII.1999, ♂; Amasya: 6.IX.1999, ♀; Bitlis: Adilcevaz, 1850 m, 20.VII.1999, ♀; Konya: Bozkır, Belören, 1017 m, 22.VII.2000, ♀.

Zusammenfassung

Der derzeitige Stand der Vespiden-Fauna der Türkei wurde aufgezeigt. Einschließlich der hier vorgestellten neuen Taxa wurden bisher in der Türkei 289 Arten und Unterarten aus 52 Gattungen bekannt. Aus der Familie der Eumenidae wurden für die Türkei hier *Jucancistrocerus caspicus* GIORDANI SOIKA 1970, *Microdynerus (Microdynerus) aegaeicus* GUSENLEITNER 1998, *Odynerus fulvitarsis* (MORAWITZ 1895) und *Quartinia popovi* GUSSAKOVSKII 1936 neu angeführt. Außerdem wurden neue Fundorte für bereits aus der Türkei bekannten Arten gemacht.

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