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## Contribution to the knowledge of Sphecidae and Crabronidae (Hymenoptera, Aculeata) fauna of Turkey

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**A b s t r a c t :** The present investigation is based on material of wasps from the families Sphecidae and Crabronidae collected from different localities in Turkey between 1990 and 2005. As a result, are established 179 species and subspecies from 49 genera from Turkey. Firstly recorded for the Turkish fauna are 21 species. The description of the female of *Bembix eburnea* RADOSZKOWSKI is presented. In addition, new localities were found for some species and subspecies which have already been reported in Turkey.

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

### Introduction

The faunistic literature on Turkish fossorial wasps of the families Crabronidae and Sphecidae grew up rapidly through the last years (TÜZÜN, GÜLMEZ & BAĞRIAÇIK 1999; GAYUBO, ÖZBEK & YILDIRIM 2003; DOLFFUSS 2004a; DOLFFUSS 2004b; GAYUBO & ÖZBEK 2005; GÜLMEZ & TÜZÜN 2005) and presently comprises almost 400 species-group names. This number is expected to increase as far as the geographical position of the country combined with its orographic and climate peculiarities suggests the existence rich indigenous fossorial wasp fauna including many endemics and relict forms too.

Apparently KOHL (1884: 105) in the description of the unknown at that time male of *Oxybelus maculipes* F. SMITH was the first to treat Turkish digger wasp material in literature. The main labours dedicated to the Turkish digger wasp fauna in the beginning of XX century are those of KOHL (KOHL 1905), FAHRINGER & FRIESE (FAHRINGER & FRIESE 1921), and FAHRINGER (FAHRINGER 1922). DE BEAUMONT (DE BEAUMONT 1967) recorded about 320 species and subspecies of the families Sphecidae and Crabronidae and also described a number of new species thus having the greatest contribution to the study of Turkish fossorial wasps. During the second half of XX century Turkish material has participated in some revisional works over one or another Sphecid or Crabronid genus as *Tachytes* PANZER (PULAWSKI 1962), *Tachysphex* KOHL (PULAWSKI 1971), *Ammatomus* A. COSTA (PULAWSKI 1973), *Prosopigastra* A. COSTA (PULAWSKI 1979), *Spilomena* SHUCKARD (DOLFFUSS 1986), *Chalybion* DAHLBOM (HENSEN 1988), *Gastrosericus* SPINOLA (PULAWSKI 1995), *Pemphredon* LATREILLE (DOLFFUSS 1995), *Stizoides* GUÉRIN-MÉNEVILLE (OHL 1999), *Ammoplanus* GIRAUD (BOUČEK 2001), *Bembecinus* A. COSTA (SCHMID-EGGER 2004).

The material of the families Sphecidae and Crabronidae was collected from different localities of Turkey in 1990-2005. 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) and in the collection of T. Ljubomirov.

## Results

In this study, 179 species and subspecies of 49 genera belonged to families of Sphecidae and Crabronidae were reported in Turkey.

### Family S p h e c i d a e LATREILLE 1802

#### *Chalybion femoratum* (FABRICIUS 1781)

M a t e r i a l   e x a m i n e d : **Erzincan:** 1250 m, 23.VI.1994, 2♂♂, 11.VII.1994, ♂, 14.VII.1991, ♂, 18.VII.1997, 2♂♂, Uzungöl, Bayırbağ, 1300 m, 31.VII.1991, 2♂♂; **İğdır:** 850 m, 10.VII.1992, ♀; **Konya:** Çumra, 1000 m, 17.VII.2000, ♀, Güneysinir, Gürğaç, 1020 m, 18.VI.1999, ♀, 7.VII.1998, ♀, 12.VII.1998, ♀.

#### *Sceliphron destillatorium* (ILLIGER 1807)

M a t e r i a l   e x a m i n e d : **Ankara:** Şereflikoçhisar, 850 m, 8.VII.1998, ♀; **Erzurum:** Tortum, Aksu, 1750 m, 12.VIII.1998, ♂; **Kahramanmaraş:** Elbistan, 1050 m, 5.VIII.1998, ♀; **Konya:** Çumra, 1000 m, 17.VII.2000, 2♀♀, Güneysinir, Gürğaç, 1020 m, 8.VII.1999, 2♀♀, 25.VII.1999, 2♀♀.

#### *Sceliphron spirifex* (LINNAEUS 1758)

M a t e r i a l   e x a m i n e d : **İçel:** Bozyazı, Gözce, 256 m, 28.VIII.1998, 6♀♀.

#### *Sphex flavipennis* FABRICIUS 1793

M a t e r i a l   e x a m i n e d : **Ankara:** Şereflikoçhisar, 850 m, Musular, 16.VII.1998, ♀; **Balıkesir:** Ayvalık, 8. VIII.1998, 2♀♀; **Erzincan:** 1250 m, 23.VI.1994, ♀; **Erzurum:** Şenkaya, Akşar, 1300 m, 9.VII.2000, 3♀♀; **Kahramanmaraş:** 700 m, 13.VII.1998, ♀; **Konya:** Güneysinir, Gürğaç, 1020 m, 17.VII.1998, ♀.

#### *Sphex funerarius* GUSSAKOVSKIJ 1934

M a t e r i a l   e x a m i n e d : **Adana:** Balcalı, 7.VIII.2001, 2♂♂; **Ankara:** Şereflikoçhisar, 850 m, Hotalı, 14.VII.1998, ♂, Kayalıboğaz, 11.VII.1998, ♂, Musular, 16.VII.1998, ♂; **Balıkesir:** Ayvalık, 8. VIII.1998, 2♂♂; **Erzurum:** Oltu, Çamlıbel, 1750 m, 12.VIII.1998, ♂, Olur, Süngübeyir, 1900 m, 2.VII.1998, ♂, Pasınler, Pelitli, 2000 m, 14.VII.1998, ♂, Şenkaya, Akşar, 1300 m, 9.VII.2000, ♀, 2♂♂, Gaziler, Soğanlı Mt., Çakırbaba, 2450 m, 13.VIII.1999, ♂; **Konya:** Güneysinir, Gürğaç, 1020 m, 22.VI.1999, ♂, 16.VII.1999, ♂, 19.VII.1999, ♂; **Rize:** İkizdere, Ovit Mt., 2400-2600 m, 11.VIII.2000, ♂.

#### *Sphex leuconotus* BRULLÉ 1833

M a t e r i a l   e x a m i n e d : **Erzurum:** Şenkaya, Gezenek, 1600 m, 14.VIII.1998, ♀; **Konya:** Çumra, Kuzucu, 1000 m, 20.VII.2000, 2♀♀.

#### *Sphex pruinosus* GERMAR 1817

M a t e r i a l   e x a m i n e d : **Adana:** Balcalı, 7.VIII.2001, 3♂♂; **İçel:** Aydıncık, 10 m, 27.VII.2005, 4♂♂, Silifke, 28.VIII.1998, ♂; **Kahramanmaraş:** Andırın, 1400 m, 15.VIII.2000, ♀, ♂.

***Isodontia paludosa* (Rossi 1790)**

Material examined: Erzurum: Şenkaya, Gaziler, Çakırbaba, Soğanlı Mt., 2450 m, 13.VIII.1998, ♀, ♂.

***Palmodes occitanicus occitanicus* (LEPELETIER DE SAINT FARGEAU & AUDINET SERVILLE 1828)**

Material examined: Erzurum: Gündörmez 2500 m, 28.VII.1998, ♀, Şenkaya, Gaziler, Çakırbaba, Soğanlı Mt., 2450 m, 13.VIII.1998, 2♀ ♀.

***Palmodes occitanicus puncticollis* (KOHL 1888)**

Material examined: Konya: Çumra, 1000 m, 20.VII.2000, ♀, Güneysir, Güragaç, 1020 m, 9.VI.1999, ♀, 7.VII.1998, ♀, 12.VII.1998, ♀.

***Palmodes strigulosus* (A. COSTA 1858)**

Material examined: Ankara: Şereflikoçhisar, Hotalı, 850 m, 14.VII.1998, 2♂ ♂; Bingöl: Solhan, Başakköy, 26.VI.2000, ♀; Konya: Sille, 1350 m, 10.VIII.1999, ♂.

***Prionyx nudatus* (KOHL 1885)**

Material examined: Erzurum: Pasinler, Pelitli, 2000 m, 14.VII.1996, ♂; Kars: Sarıkamış, Karakurt, Şeytangeçmez, 1600 m, 23.VI.2005, ♂.

***Prionyx viduatus argentatus* (MOCSÁRY 1883)**

Material examined: Erzincan: Kemah, Gulkaynak, 1000 m, 30.IX.1999, ♀.

***Hoplammophila armata* (ILLIGER 1807)**

Material examined: Konya: Güneysir, Güragaç, 1020 m, 22.VI.1999, ♂.

***Podalonia affinis* (W. KIRBY 1798)**

Material examined: Erzurum: Gündörmez, 2500 m, 28.VII.1998, ♂, Şenkaya, Gaziler, Çakırbaba, Soğanlı Mt., 2450 m, 13.VIII.1998, ♀.

***Podalonia fera* (LEPELETIER DE SAINT FARGEAU 1845)**

Material examined: Konya: Çumra, 1000 m, 12.VIII.2000, ♀, Güneysir, Güragaç, 1020 m, 7.VII.1998, ♀; Rize: İkizdere, Ovit Mt., 2400–2600 m, 11.VIII.2000, 2♀ ♀.

***Podalonia hirsuta mervensis* (RADOSZKOWSKI 1887)**

Material examined: Bayburt: Yoncalık, 2800 m, 5.VII.2000, ♀; Bingöl: Yenibaşlar, 1400 m, 5.VI.2003, ♀; Bitlis: Adilcevaz, 1850 m, 20.VII.1999, ♀, Yıldız, 1950 m, 15.VII.1999, ♀; Erzincan: Kemaliye, Başpınar, 950 m, 29.IX.1999, ♂; Erzurum: Arıbahçe, 2400 m, 20.VII.2001, ♂, Dutçu, Komyolu, 2200 m, 18.VII.1999, ♂, Gündörmez, 2500 m, 28.VII.1998, 5♀ ♀, 3♂ ♂, Urmudan Plateau, 2100 m, 26.VI.2003, ♀, Aşkale, 1950 m, 16.VI.1999, ♂, Oltu, Başaklı, 9.VIII.2000, 2♂ ♂, Tutmaç, 1900 m, 1.VII.2000, ♀; Konya: Güneysir, Güragaç, 1020 m, 18.VI.1999, ♂, 6.VII.1999, ♀, 10.VII.1998, ♂, 3.IX.2000, 2♂ ♂; Niğde: Ulukışla, Çiftehan, 1050 m, 8.VIII.1999, 2♂ ♂; Rize: İkizdere, Ovit Mt., 2400–2600 m, 11.VIII.2000, 2♀ ♀, 10♂ ♂.

The assignment of the present material to *P. hirsuta mervensis* RADOSZKOWSKI is tentatively. All examined females have completely black metasoma which is the main feature to treat this material as the subspecies *mervensis*. In contrast, all males (some of them found at the same place in the same time with females) have more or less developed red coloration in the basal metasomal half but the last body part has never been found completely black. It has long been known that the male of *Podalonia hirsuta mervensis* is not black all over (KOHL 1905: 231; DE BEAUMONT & BYTINSKI-SALZ 1955: 35 among

others) and so far there is no any character to distinguish males of *mervensis* from the males of the nominate subspecies. Recently, GÜLMEZ & TÜZÜN (GÜLMEZ & TÜZÜN 2005: 49) considered that the material of *Podalonia hirsuta* from 26 Turkish provinces (including their own material from Ankara province) must be regarded as *P. hirsuta mervensis* both with the males and the females and here we formally follow their opinion. However, the status of *P. hirsuta mervensis* strongly needs revision as far as except the black metasoma in the female there is no any other character regarding the sculpture of the integument or body vestibule to distinguish it from the nominate subspecies. The of the mesosoma in the European females of *P. hirsuta mervensis* varies from largely red at the basal half to black all over sometimes. For instance, in a series of 123 females caught by excavating nests where wasps were prepared to over winter in 16 October 1994 in Etropska Planina Mountain (Bulgaria) one female has been found to have completely black mesosoma in contrast to other which have red basal segments. The same case was found in a series of 19 females caught in early July 1992 in Rhodopi Mountains (Bulgaria): 19 having red mesosoma basally against one black. Even though the colour tends to vary geographically – female specimens of *P. hirsuta* with black metasoma occur Eastern Mediterranean and Turkey, the various colour forms overlap geographically and for the time being a separation into subspecies does not seem appropriate. At last, such kind of colour variation has been noted for other digger wasp species too (see SCHMID-EGGER 2000 for the coloration of *Entomosericus concinnus*).

***Podalonia tydei* (LE GUILLOU 1841)**

M a t e r i a l   e x a m i n e d : Konya: Güneysünir, Güragaç, 1020 m, 3.IX.2000, ♂.

***Ammophila campestris* LATREILLE 1809**

M a t e r i a l   e x a m i n e d : Erzurum: Arıbahçe, 2400 m, 20.VII.2001, ♂, Aşkale, Ortahöyük, 1960 m, 4.VII.2005, ♂.

***Ammophila heydeni* DAHLBOM 1845**

M a t e r i a l   e x a m i n e d : Bitlis: Adilcevaz, Yıldız, 1950 m, 15.VII.1999, ♀; Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♀; Konya: Cumra, 1020 m, 12.VIII.2000, ♀, Güneysünir, Güragaç, 1020 m, 3.IX.2000, ♀, Sille, 1350 m, 10.VIII.1999, ♀.

***Ammophila sinensis* SICKMANN 1894**

M a t e r i a l   e x a m i n e d : Erzurum: Güngörmez, 2500 m, 28.VII.1998, ♂.

New for the Turkish fauna.

**Family C r a b r o n i d a e LATREILLE 1802**

**Subfamily A s t a t i n a e LEPELETIER DE SAINT FARGEAU 1845**

***Astata apostata* MERCET 1910**

M a t e r i a l   e x a m i n e d : Konya: Güneysünir, Güragaç, 1020 m, 6.VI.1999, ♂.

***Astata boops* (SCHRANK 1781)**

M a t e r i a l   e x a m i n e d : Aydın: Çine, 7.IX.1994, ♀; Erzurum: Arıbahçe, 2400 m, 20.VII.2001, ♂, Dutçu, 18.VIII.1993, ♀, Aşkale 1950 m, 16.VII.1999, ♀, ♂, Tortum 1600 m, 27.VII.1998, ♂; Kars: Kağızman, 25.VII.1997, ♀, Sarıkamış, Karakurt, 1600 m,

1789

23.VI.2005, 3♂ ♂; **Konya:** Güneysımr, Güragaç, 1020 m, 6.VII.1999, ♀; **Rize:** İkizdere, Ovit Mt., 2400-2600 m, 11.VIII.2000, ♂; **Tokat:** 1500 m, 19.VIII.1992, ♀.

***Astata brevitarsis* PULAWSKI 1958**

M a t e r i a l   e x a m i n e d : **Erzurum:** Konaklı, 2000-2400 m, 22. VII. 2000, 2♂ ♂, University field, 1850 m, 4.VII.2000, ♂, Şenkaya, Akşar 1300 m, 14.VII.1998, ♂; **İğdır:** 850 m, 17VI.1999, ♀.

***Astata jucunda* PULAWSKI 1959**

M a t e r i a l   e x a m i n e d : **Erzincan:** 1250 m, 30.VII.1991, ♀; **Erzurum:** University field, 1850 m, 16.VIII.1993, ♀, Olur, 22.VII.1992, ♀; **Konya:** Güneysımr, Güragaç, 1020 m, 8.VII.2000, ♀.

***Astata kashmirensis* NURSE 1909**

M a t e r i a l   e x a m i n e d : **Ankara:** Şereflikoçhisar, 850 m, 9.VII.1998, ♂; **Erzurum:** Şenkaya, Akşar 1300 m, 14. VII. 1998, ♀.

***Astata miegii scapularis* KOHL 1889**

M a t e r i a l   e x a m i n e d : **Erzurum:** İlica, Sorkunlu, 1850 m, 30.VII.1998, ♂.

***Astata minor* KOHL 1885**

M a t e r i a l   e x a m i n e d : **Erzurum:** Dutçu, Komyolu, 2200 m, 18.VII.1999, ♂, İlica, Athkonak, 29.VI.1999, 2000 m, ♀, Rizekent, 2200 m, 30.VII.1998, ♀, Sorkunlu, 1850 m, 30.VII.1998, ♀, 2♂ ♂, Oltu, Çamlıbel, 1750 m, 2.VII.1997, ♀.

***Astata rufipes* MOCSÁRY 1883**

M a t e r i a l   e x a m i n e d : **Bitlis:** Adilcevaz, 1850 m, 20.VII.1999, ♂.

New for the Turkish fauna.

***Dryudella tricolor eurygnatha* (PULAWSKI 1967)**

M a t e r i a l   e x a m i n e d : **Balıkesir:** Ayvalık, 8. VIII.1998, ♀, ♂; **Erzurum:** Dutçu, Komyolu, 2200 m, 18.VII.1999, ♀, Konaklı, 2000-2400 m, 22.VII.2000, ♂, İlica, Rizekent, 2200 m, 30.VII.1998, ♂, Sorkunlu, 1850 m, 30.VII.1998, ♀, 2♂ ♂, Şenkaya, Gezenek, 1600 m, 14.VII.1998, 2♂ ♂; **Konya:** Çumra, Kuzucu, 1000 m, 20.VII.2000, ♂; **Nevşehir:** Ürgüp, Aksalur, 1600 m, 13.VIII.1999, ♂.

**Subfamily B e m b i c i n a e LATREILLE 1802**

**Tribe A lyssontini VON DALLA TORRE 1897**

***Didineis pannonica* HANDLIRSCH 1888**

M a t e r i a l   e x a m i n e d : **Erzurum:** Oltu, Çamlıbel, 1750 m, 19.VI.2003, ♀.

**Tribe B e m b i c i n i LATREILLE 1802**

**Subtribe B e m b i c i n a LATREILLE 1802**

***Bembix bicolor* RADOSZKOWSKI 1877**

M a t e r i a l   e x a m i n e d : **Erzurum:** Konaklı, 2200-2400 m, 22.VII.2000, ♂; **Konya:** Güneysımr, Güragaç, 1020 m, 20.VI.1999, ♂, 8.VII.2000, ♂, 11.VIII.1999, ♂, 3.IX.2000, ♂.

***Bembix bidentata* (VANDER LINDEN 1829)**

**M a t e r i a l e x a m i n e d :** Ankara: Şereflikoçhisar, 850 m, 8.VII.1998, ♀; Balıkesir: Ayvalık, 8.VIII.1998, ♀; Bingöl: Solhan, Başköy, 26.VI.2000, ♀; Bitlis: Adilcevaz, Yıldız, 1950 m, 15.VII.1999, ♀; Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♀, Konaklı, 2200-2400 m, 22.VII.2000, 3♂♂, Horasan, Yukarı Horom, 2000 m, 13.VII.1998, ♀, Senkaya, Akşar, 1300 m, 9.VII.2000, ♀, Timurtaşla, 14.VIII.1998, 1400 m, ♂, Tortum, 1600 m, 27.VII.1998, 5♀♀; İçel: Erdemli, Doğulu, 9.VII.1996, 2♀♀; Kars: Sarıkamış, Karakurt, 1600 m, 23.VI.2005, 2♀♀, Seytangeçmez, 1600 m, 23.VI.2005, ♀; Konya: Cumra, 1020 m, 17.VII.2000, ♂, Güneysirin, Gürağaç, 1020 m, 21.VI.1999, 2♀♀, 8.VII.2000, 3♀♀, 10.VII.1998, 6♀♀, 11.VII.1999, ♀, 14.VII.1998, 2♀♀, 25.VII.1999, ♀.

***Bembix diversipes* F. MORAWITZ 1889**

**M a t e r i a l e x a m i n e d :** Bitlis: Adilcevaz, Yıldız, 1950 m, 15.VII.1999, ♀; Erzurum: Konaklı, 2000-2400 m, 22.VII.2000, ♀.

***Bembix eburnea* RADOSZKOWSKI 1877**

**M a t e r i a l e x a m i n e d :** Konya: Güneysirin, Gürağaç, 1020 m, 11.VIII.1999, 3♀♀.

The description of the *Bembix eburnea* female was made by HANDLIRSCH (HANDLIRSCH 1893: 722-723) who based it on one specimen from the collection of RADOSZKOWSKI from Saraks (NE Iran) and also found this female identical with the female of *Bembix kirgisica* described by MORAWITZ (MORAWITZ 1891: 225-227) regarding later species as a synonym of *eburnea*. Later MORAWITZ (MORAWITZ 1896: 153-154) resurrected *kirgisica* from this synonymy. Thus, the description of *eburnea* female made by HANDLIRSCH must be attributed to *kirgisica* which results that there is no description of female of the true *eburnea* so far.

The following description based on the two females from Konya province is attributed to *B. eburnea*.

Length: 17.6 - 17.9 mm.

Sculpture. Clypeus covered with dense, regular micropuncturation visibly becoming sparser medioapically (punctures separated by 0.5 – 1.2x their own diameter) and with macropuncturation represented by few very sparsed punctures. Frons between toruli sharply rised into longitudinal carina. Inner ocular margins slightly but visibly diverging toward the clypeus (fig. 1.). Mesoscutum densely and regulary punctured, intraspaces silky shiny. Mesopleuron with regular macropuncturation (punctures separated by 0.2 – 0.5x their own diameter), slightly sparsed ventrally. Metasomal terga with regular micropuncturation (punctures separated by 1.0x their own diameter) over uneven, shiny background. The sixth tergum laterally at the base with strong, long black spines. The fifth tergum laterally with few pale spines which does not exceed the half of the lenght of the spines on the sixth tergum. Matesomal sterna with minute and dense puncturation (punctures separated by 0.5 – 1.4x their own diameter) mixed with few larger punctures which are more abundant on sterna 2. and 5. Submedial cell of the hind wing in front longer than behind.

Coloration. Black, pale yellow are: labrum; clypeus; subantennal sclerite; ventral third of the frons (excluding thin black lines surrounding toruli); stripes along inner orbits as wide as  $\frac{1}{4}$  of the frontal width connected each other in the upper side where are triangular projected downward; genae; mandibulae (excluding the tips); scape (excluding stripe on its dorsal surface); ventral surface of pedicellum and flagellum; pronotal collar; humeral tubercle; stripes along the posterolateral corners of the mesoscutum; stripes

along lateral and hind margins of scutellum (slightly interrupted in the middle of the hind margin); couple of comma-like stripes along the posterior metanotal margin; great part of the lateral sides of mesopleuron; metapleuron and propodeum; preapical, semicircularly notched in the middle stripe on the tergum 1. which occupying 1/3 of its length, preapical, double notched anterioiy stripe on terga 2. – 5. occupying 1/3 of the length of the relevant tergum, middle part of the tergum 6. all over its length; large posterolateral spots on the sterna 2. 5. which are more expanded on the terga 3 and 4; legs (excluding black stripe on hind surface of the femora and large black spots in the middle of the inner surface of the front and middle tibiae).

The female of *B. eburnea* is firstly distinguished from *B. kirgisica* by the presence of sharp inerantennal carina. It is closely related also to *B. bicolor* RADOSZKOWSKI, from which can be distinguished by the denser micropuncturation on the matasomal sterna 3. – 5 and by the clypeus which is punctured all over and to *B. gracilis* Handlirsch, from which can be distinguished by the lack of the pale colour on the ventral surface of the mesopleuron and by the lack of the black colour on the hind tibiae. From another two closely relatives, viz. *B. holoni* BYTINSKI-SALZ and *B. joeli* BYTINSKI-SALZ *B. eburnea* is easily to distinguish by details of the clypeal coloration and sculpture of the metasomal sterna.

***Bembix oculata* PANZER 1801**

M a t e r i a l   e x a m i n e d :   Içel: Aydıncık, 10 m, 27.VII.2005, 2♀ ♀, Silifke, 28.VIII.1998, 3♀ ♀.

**Subtribe Oligina NEMKOV & LELEJ 1996**

***Olgia helena* DE BEAUMONT 1953**

M a t e r i a l   e x a m i n e d : Erzurum: University field, 1850 m, 3.VII.1997, ♂.

Subtribe *Gorytina* LEPELETIER DE SAINT FARGEAU 1845

***Argogorytes hispanicus* (MERCET 1906)**

M a t e r i a l   e x a m i n e d : Erzurum: Palandöken, 2400 m, 13.VII.1993, ♂, İlica, Athikonak, 1750 m, 11.VII.2000, 2♂ ♂, Oltu, Karakol, 1850 m, 14.VII.2005, ♂.

***Argogorytes mystaceus* (LINNAEUS 1761)**

M a t e r i a l   e x a m i n e d : Bayburt: Maden, 1650 m, 16.VI.2000, ♀; Erzurum: Arıbahçe, 2400 m, 20.VII.2001, ♀, Konaklı, 2000-2400 m, 22.VII.2000, 2♀ ♀, Palandöken, 2400 m, 23.VII.1997, ♀, Hınıs, Söylemez, 1750 m, 28.VI.2005, ♀, İspir, 1800 m, 12.VII.2001, 2♀ ♀, Şenkaya, Timurkışla, 1350 m, 14.VIII.1998, ♀, Turnalı, 1750 m, 12.VI.1992, ♀, 10.VII.1999, 3♀ ♀, Tortum, Çataldere, 1800 m, 12.VII.2001, ♀; Kars: Kağızman, 1100 m, 16.VI.1999, ♀, Sarıkamış, 1900 m, 23.VI.2005, 2♀ ♀.

***Gorytes albidulus* (LEPELETIER DE SAINT FARGEAU 1832)**

M a t e r i a l   e x a m i n e d : Artvin: Savşat, Karagöl, 1650 m, 8.VII.1998, 2♂ ♂; Erzurum: Güngörmez, 2500 m, 28.VII.1998, ♂, Konaklı, 2000-2400, 22.VII.2000, ♀, 2♂ ♂, Tortum, Çataldere, 1800 m, 12.VII.2001, ♂.

***Gorytes laticinctus* (LEPELETIER DE SAINT FARGEAU 1832)**

M a t e r i a l   e x a m i n e d : Erzurum: Şenkaya, Turnalı, 1750 m, 23.VII.1996, ♀.

***Gorytes maculicornis* (F. MORAWITZ 1889)**

M a t e r i a l   e x a m i n e d : Erzurum: Ilıca, Rizekent, 2200 m, 30.VII.1998, ♂, Tortum, 1600 m, 27.VII.1998, 2♂♂, Çataldere, 1800 m, 12.VII.2001, ♂.

New for the Turkish fauna.

***Gorytes pleuripunctatus* (A. COSTA 1859)**

M a t e r i a l   e x a m i n e d : Erzurum: Tortum, Pehlivanlı, 1300 m, 12.VII.1992, ♂.

***Gorytes quadrifasciatus* (FABRICIUS 1804)**

M a t e r i a l   e x a m i n e d : Erzurum: Konaklı, 2000-2400 m, 22.VII.2000, 3♂♂, Ilıca, Rizekent, 2200 m, 30.VII.1998, 2♂♂, Pasinler, Çalıyazı, 2400 m, 11.VII.1996, 2♂♂.

***Gorytes quinquecinctus* (FABRICIUS 1793)**

M a t e r i a l   e x a m i n e d : Artvin: Savşat, Karagöl, 1650 m, 8.VII.1998, ♀, 2♂♂, Yusufeli, Altıparmak, 1100 m, 5.VII.1994, ♂; Bayburt: Maden, 1650 m, 16.VI.2000, ♀; Erzurum: Tortum, Pehlivanlı, 1300 m, 12.VII.1992, 2♂♂.

***Gorytes quinquefasciatus levantinus* PULAWSKI 1961**

M a t e r i a l   e x a m i n e d : Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♂, Palandöken, 2400 m, 13.VII.1993, ♂, Ilıca, Atlıkonak, 2000 m, 29.VI.1999, ♂, Rizekent, 2200 m, 30.VII.1998, 2♂♂, Tortum, Çataldere, 1800 m, 12.VII.2001, ♂.

***Gorytes schlettereri ponticus* DE BEAUMONT 1967**

M a t e r i a l   e x a m i n e d : Artvin: Savşat, Karagöl, 1650 m, 8.VII.1998, ♀.

***Gorytes schmiedeknechti* HANDLIRSCH 1888**

M a t e r i a l   e x a m i n e d : Artvin: Yusufeli, 550 m, 4.VII.1994, ♂; Erzurum: Oltu, Sütkans, 25.VI.1996, 2♂♂, Olur, 22.VII.1992, ♂, Tortum, Pehlivanlı, 12.VII.1992, ♂.

***Gorytes sulcifrons* (A. COSTA 1869)**

M a t e r i a l   e x a m i n e d : Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, 3♂♂, Konaklı, 2000-2400 m, 22.VII.2000, 3♀♀, 9♂♂, Aşkale, 1800 m, 16.VII.1999, ♂, Ilıca, Atlıkonak, 29.VI.1999, 2000 m, ♂, Sorkunlu, 1850 m, 30.VII.1998, ♂, Şenkaya, Turnalı, 1750 m, 25.VII.1996, ♀, Tortum, Çataldere, 1800 m, 12.VII.2001, ♂, Şenyurt, 2000 m, 12.VIII.1993, ♀; Konya: Güneysünir, Gürğaç, 1020 m, 19.VII.1999, ♀.

***Hoplisoides latifrons* (SPINOLA 1808)**

M a t e r i a l   e x a m i n e d : Kars: Sarıkamış, Karakurt, 1600 m, 15.VII.1998, ♂.

***Lestiphorus bicinctus* (ROSSI 1794)**

M a t e r i a l   e x a m i n e d : Erzurum: Şenkaya, Akşar, 1300 m, 14. VII. 1998, ♀.

***Psammaecius punctulatus* (VANDER LINDEN 1829)**

M a t e r i a l   e x a m i n e d : Erzurum: Şenkaya, Akşar, 1300 m, 9.VII.2000, ♂; İğdır: 850 m, 17.VII.1999, ♂; Konya: Güneysünir, Gürğaç, 1020 m, 6.VI.1999, ♂, 23.VI.1999, ♀.

**Subtribe Handlirschiina NEMKOV & LELEJ 1996**

***Ammatomus coarctatus* (SPINOLA 1808)**

M a t e r i a l   e x a m i n e d : Erzurum: Hınıs, 1750 m, 19.VII. 2001, 2♂♂, Oltu, İriağaç, 1200 m, 8.VIII.2000, ♂, Şenkaya, Çatalelma, 1600 m, 26.IX.2000, ♀, Timurkişla, 1400 m, 14.VIII.1998, ♀; İğdır: 850 m, 17.VII.1999, ♂; Konya: Güneysünir, Gürğaç, 1020 m, 3.IX.2000, ♂, 23.VI.1999, ♀.

**Subtribe Stizina A. COSTA 1859**

***Bembecinus acanthomerus* (MORICE 1911)**

M a t e r i a l   e x a m i n e d : Erzincan: 1250m, 14.VI.1994, ♀.

***Bembecinus innocens* DE BEAUMONT 1967**

M a t e r i a l   e x a m i n e d : Erzincan: 1250m, 14.VI.1994, 3♂♂, 23.VI.1994, 2♂♂, 18.VII.1997, ♂.

***Bembecinus peregrinus* (F. SMITH 1856)**

M a t e r i a l   e x a m i n e d : Antalya: 22.V.2000, ♂; Balıkesir: Ayvalık, 8. VIII.1998, ♂; Erzincan: 1250m, 14.VI.1994, ♂, 23.VI.1994, ♂; Erzurum: Oltu, Sükans, 2000 m, 10.VI.1997, ♂, 18.VI.1996, ♂; Uzungere, Şellale, 1000 m, 9.VI.1996, ♂.

***Bembecinus tridens* (FABRICIUS 1781)**

M a t e r i a l   e x a m i n e d : Antalya: 22.V.2000, ♂; Erzurum: Oltu, Çamlıbel, 1750 m, 12.VIII.1998, ♂; Tutmaç, 1.VII.2000, 3♂♂, Şenkaya, Akşar, 1300 m, 14.VII.1998, 2♂♂; Timurkişla, 1400 m, 14.VIII.1998, ♂; Tortum, 1600 m, 27.VII.1998, ♀, ♂; Kahramanmaraş: Andırın, 1400 m, 15.VIII.2000, ♂; Kars: Sarıkamış, 1900 m, 17.VIII.1998, 2♂♂; Konya: Güneysinir, Gürğaç, 1020 m, 3.IX.2000, ♀, 2♂♂; Sille, 1350 m, 10.VIII.1999, 2♂♂; Niğde: Ulukışla, Çiftehan, 1050 m, 8.VIII.1999, ♂.

***Stizoides tridentatus* (FABRICIUS 1775)**

M a t e r i a l   e x a m i n e d : Erzurum: Şenkaya, Akşar, 1300 m, 9. VII.2000, ♀, ♂.

***Stizus annulatus* (KLUG 1845)**

M a t e r i a l   e x a m i n e d : Kars: Kağızman, 1100 m, 16.VI.1999, ♂; Sarıkamış, Karakurt, 1600 m, 23.VI.2005, 2♂♂.

***Stizus fasciatus* (FABRICIUS 1781)**

M a t e r i a l   e x a m i n e d : Konya: Çumra, 1000 m, 13.VII.2000, ♂; Güneysinir, Gürğaç, 1020 m, 13.VII.2000, ♂.

***Stizus perrisi* DUFOUR 1838**

M a t e r i a l   e x a m i n e d : Kars: Sarıkamış, Karakurt, 1600 m, 15.VII.1998, ♀.

***Stizus ruficornis* (J. FÖRSTER 1771)**

M a t e r i a l   e x a m i n e d : Erzurum: Şenkaya, Akşar, 1300 m, 9.VII.2000, 2♀♀, 2♂♂; İçel: Aydıncık, 10 m, 27.VII.2005, 2♀♀, ♂; Konya: Güneysinir, Gürğaç, 1020 m, 18.VI.1999, ♀.

**Tribe Nyssonini LATREILLE 1804**

***Brachystegus scalaris* (ILLIGER 1807)**

M a t e r i a l   e x a m i n e d : Erzurum: Tortum, 1600 m, 27.VII.1998, ♂; İğdır: Çalpala, 950 m, 16.VI.2001, ♂.

***Nysson interruptus* (FABRICIUS 1798)**

M a t e r i a l   e x a m i n e d : Erzurum: İspir Pass, 2100 m 13.VII.2001, ♀.

1794

***Synneurus decemmaculatus* (SPINOLA 1808)**

Material examined : Konya: Çumra, Kuzucu, 1000 m, 20.VII.2000, ♂.

Subfamily **Crabroninae** LATREILLE 1802

**Tribus Crabronini** LATREILLE 1802

**Subtribus Anacrabronina** ASHMEAD 1899

***Entomognathus schmiedeknechti* (KOHL 1905)**

Material examined : Erzurum: Olur, Olgun, 1900 m, 24.VIII.1992, ♀.

Subtribus **Crabronina** LATREILLE 1802

***Crabro alpinus* IMHOFF 1863**

Material examined : Rize: İkizdere, Ovit, 2300 m, 29.VII.2000, 6♀♀, 7♂♂,  
Çamlıhemşin, Ayder, 1200-1550 m, 30.VII.2000, ♀.

***Crabro cribrarius* (LINNAEUS 1758)**

Material examined : Erzurum: Aribahçe, 2400 m, 20.VII.2001, ♀, Aşkale, Ortahahçe, 1900 m, 4.VII.2005, ♀, İlica, Rizekent, 2200 m, 30.VII.1998, ♀, ♂, Sorkunlu, 1850 m, 30.VII.1998, ♂, Oltu, Tutmaç, 1900 m, 1.VII.2000, ♀, ♂.

***Crabro pugillator* A. COSTA 1871**

Material examined : Erzurum: Aribahçe, 2400 m, 29.VII.1999, 3♂♂, Dutçu, Komyolu, 2200 m, 18.VII.1999, ♀, 3♂♂, Konaklı, 2000-2400 m, 22.VII.2000, 3♀♀, 18♂♂, İlica, Atlıkonak, 2050 m, 14.VII.1999, ♂, Şenkaya, Turnalı, 1750 m, 22.VIII.1999, ♂; Rize: İkizdere, Ovit, 2300 m, 29.VII.2000, 2♀♀, 4♂♂.

***Crossocerus (Crossocerus) denticrus* HERRICH-SCHAEFFER 1841**

Material examined : Erzurum: Oltu, Çamlıbel, 1750 m, 12.VIII.1998, ♀.

New for the Turkish fauna.

***Crossocerus (Cuphopterus) dimidiatus* (FABRICIUS 1781)**

Material examined : Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♀, Pasinler, Pelitli, 2000 m, 14.VII.1998, ♂.

***Crossocerus (Crossocerus) elongatus* (VANDER LINDEN 1829)**

Material examined : Konya: Sille, 1350 m, 10.VIII.1999, ♀.

***Crossocerus (Blepharipus) heydeni* KOHL 1880**

Material examined : Erzincan: Kemaliye, 950 m, 29.IX.1999, ♂.

***Crossocerus (Hoplocrabo) quadrimaculatus* (FABRICIUS 1793)**

Material examined : Erzurum: University field, 1850 m, 10.VIII.2000, ♂.

***Crossocerus (Crossocerus) varus* LEPELETIER DE SAINT FARGEAU & BRULLE 1835**

Material examined : Rize: İkizdere, Ovit, 2300 m, 29.VII.2000, ♀, ♂.

***Ectemnius (Clytochrysus) sexcinctus* (FABRICIUS 1775)**

Material examined : Erzurum: Pasinler, Pelitli, 2000 m, 14.VII.1998, ♂, Tortum, Aksu, 1750 m, 12.VIII.1998, ♀; Kars: Sarıkamış, Karakurt, 1600 m, 15.VII.1998, ♂.

***Ectemnius (Metacrabro) cephalotes* (OLIVIER 1812)**

M a t e r i a l   e x a m i n e d : Erzurum: Tortum, 1600 m, 27.VII.1998, ♀.

***Ectemnius (Hypocrabro) continuus* (FABRICIUS 1804)**

M a t e r i a l   e x a m i n e d : Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♀, Konaklı, 2000-2400 m, 22.VII.2000, ♂, Aşkale, 1950 m, 16.VII.1999, 2♀ ♀, Köprüköy, Yağan, 1600 m, 28.VI.2005, ♂, Pasinler, Pelitli, 2000 m, 14.VII.1998, ♀, 2♂ ♂; Kars: Sarıkamış, Karakurt, 1600 m, 15.VII.1998, ♀.

***Ectemnius (Thyreocerus) crassicornis* (SPINOLA 1808)**

M a t e r i a l   e x a m i n e d : Balıkesir: Ayvalık, 8.VIII.1998, 3♂ ♂; Erzurum: Aşkale, 1950 m, 23.V.2000, ♂, İlica, Rizekent, 2200 m, 30.VII.1998, ♂, Tortum, Aksu, 1750 m, 12.VIII.1998, ♂; Konya: Güneysimir, Gürağaç, 1020 m, 3.IX.2000, ♀, ♂; Niğde: Ulukışla, Çiftehan, 1050, 8.VIII.1999, 2♂ ♂.

***Ectemnius (Metacrabro) fossorius* (LINNAEUS 1758)**

M a t e r i a l   e x a m i n e d : Erzurum: Pasinler, Pelitli, 2000 m, 14.VII.1998, ♂.

***Ectemnius (Hypocrabro) hypsae* (DE STEFANI PEREZ 1894)**

M a t e r i a l   e x a m i n e d : Erzurum: Oltu, Çamlıbel, 1750 m, 12.VIII.1998, ♀.

***Ectemnius (Thyreocerus) massiliensis* (KOHL 1883)**

M a t e r i a l   e x a m i n e d : Erzurum: Arıbahçe, 2400 m, 29.VII.1999, 5♂ ♂, Dutçu, Komyolu, 2200 m, 18.VII.1999, 2♂ ♂, Gündormez, 2500 m, 28.VII.1998, 2♂ ♂, İlica, Rizekent, 2200 m, 30.VII.1998, ♂, Köprüköy, Yağan, 1600 m, 28.VI.2005, ♂.

***Ectemnius (Hypocrabro) walteri* (KOHL 1889)**

M a t e r i a l   e x a m i n e d : Erzurum: Tortum, 1600 m, 27.VII.1998, ♂.

New for the Turkish fauna.

***Lestica (Clypeocrabro) clypeata* (SCHREBER 1759)**

M a t e r i a l   e x a m i n e d : Erzurum: Şenkaya, Akşar, 1300 m, 14.VII.1998, ♀, Timurkısla 1400 m, 14.VIII.1998, 2♀ ♀, Turnalı, 1750 m, 22.VIII.1999, ♀, Tortum, 1600 m, 27.VII.1998, ♀, ♂, Aksu, 12.VII.1998, ♀, Çataldere, 400 m, 13.VII.2001, ♀; İçel: Aydıncık, 10 m, 27.VII.2005, 2♂ ♂, Konya: Cumra, 12.VIII.2000, ♀, Güneysimir, Gürağaç, 1020 m, 8.VII.2000, 2♂ ♂, 3.IX.2000, ♂, Sille, 1350 m, 10.VIII.1999, 2♀ ♀; Malatya: Kale, 1100 m, 20.VII.1999, ♂; Niğde: Ulukışla, Çiftehan, 1050 m, 8.VIII.1999, ♂.

***Lestica (Lestica) pluschtschevskyi* (F. MORAWITZ 1891)**

M a t e r i a l   e x a m i n e d : Erzurum: Konaklı, 2000-2400 m, 22.VII.2000, ♂, Horasan, Yukarı Horom, 2000 m, 13.VIII.1998, ♂, Olur, Süngübayır, 1750 m, 1.VIII.1998, ♂, Tortum, 1600 m, 27.VII.1998, ♂.

New for the Turkish fauna.

***Lestica (Lestica) subterranea* (FABRICIUS 1775)**

M a t e r i a l   e x a m i n e d : Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♀, Konaklı, 2000-2400 m, 22.VII.2000, 2♀ ♀, 2♂ ♂, Aşkale 1950 m, 16.VII.1999, ♀, Ortahacı, 1950 m, 4.VII.2004, ♂, İlica, Athkonak, 2050 m, 29.VI.2001, ♀, 2♂ ♂, 14.VII.1999, 3♂ ♂, İspir, İspir Pass, 1900 m, 13.VII.2001, ♀, Oltu, Tutmaç, 1900 m, 2.VII.2000, ♀, Şenkaya, Gaziler, Soğanlı Mt., Çakırbaşa, 2450 m, 13.VIII.1998, 2♂ ♂; Kars: Sarıkamış, Karakurt, 1600 m, 2.VI.1999, 2♂ ♂.

***Lindenius aptus* MARSHAKOV 1973**

Material examined : Erzurum: Aşkale 1800 m, 16.VII.1999, ♀.  
New for the Turkish fauna.

***Lindenius albilabris* (FABRICIUS 1793)**

Material examined : Artvin: Savşat, Karagöl, 1650 m, 8.VII.1998, ♂.

***Lindenius ibex* KOHL 1883**

Material examined : Bilecik: 600 m, 15.VI.1995, ♀.

**Tribus Larriini LATREILLE 1810**

**Subtribus Gastrosericina ED. ANDRE 1886**

***Prosopigastra orientalis* DE BEAUMONT 1947**

Material examined : Konya: Bozkır, Belören, 1035 m, 22.VII.2000, ♂.

***Tachysphex brullii galileus* DE BEAUMONT 1947**

Material examined : Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♀,  
Pasınler, Çalıyazı, 2400 m, 10.VII.1997, ♂.

***Tachysphex costae* (DE STEFANI PEREZ 1882)**

Material examined : Erzurum: Tortum, 1600 m, 27.VII.1998, ♀.

***Tachysphex excelsus* R. TURNER 1917**

Material examined : Erzurum: İlica, Sorkunlu, 1850 m, 30.VII.1998, ♂.

***Tachysphex fulvitarsis* (A. COSTA 1867)**

Material examined : Erzurum: Palandöken, 2400 m, 10.VIII.1993, ♀, Oltu,  
Sütkans, 1500 m, 25.VI.1996, ♀.

***Tachysphex graecus* KOHL 1883**

Material examined : Erzincan: 1250 m, 11.VII.1994, ♀.

***Tachysphex julliani* KOHL 1883**

Material examined : Kahramanmaraş: Tömek, 1450 m, 9.VIII.2001, ♀;  
Malatya: Kale, 1100 m, 20.VII.1999, ♂.

***Tachysphex latifrons* KOHL 1884**

Material examined : Kars: Sarıkamış, Karakurt, 1600 m, 2.V.2000, ♀.

***Tachysphex mocsaryi* KOHL 1884**

Material examined : Balıkesir: Ayvalık, 8. VIII.1998, ♀.

***Tachysphex morawitzi* PULAWSKI 1971**

Material examined : Bayburt: Kopdağı, 2300 m, 17.VIII.1996, ♀; Erzincan:  
1250m, 11.VII.1994, ♀; Erzurum: Güzelyayla, 2000 m, 29.VIII.1992, 2♀ ♀, Konaklı, 2000-  
2400 m, 22.VII.2000, 7♀ ♀, University field, 1850 m, 15.VIII.1993, ♀, Oltu, Sütkans,  
1500 m, 27.VI.1996, ♀, Olur, Süngübayır, 1750, 23.VII.1992, ♀.

New for the Turkish fauna.

***Tachysphex nitidior* DE BEAUMONT 1940**

M a t e r i a l   e x a m i n e d :   Erzurum: Olur, Süngübayır, 20.VII.1994, ♀, Şenkaya, Timurkişla, 1400 m, 14.VIII.1998, ♂, Tortum, 1600 m, 27.VII.1998, ♀.

***Tachysphex nitidissimus* DE BEAUMONT 1952**

M a t e r i a l   e x a m i n e d   Erzincan: 1250m, 13.VII.1994, ♀

***Tachysphex panzeri* (VANDER LINDEN 1829)**

M a t e r i a l   e x a m i n e d : Erzurum: Horasan, Yukarı Horom, 2000 m, 13.VIII.1998, ♀.

***Tachysphex persa nigripes* PULAWSKI 1967**

M a t e r i a l   e x a m i n e d : Konya: Sille, 1350m, 10.VIII.1999, ♀; Niğde: Ulukışla, Çiftehan, 1050, 8.VIII.1999, 2♀ ♀.

***Tachysphex pomphiliformis* (PANZER 1805)**

M a t e r i a l   e x a m i n e d :   Erzincan: 1250 m, 18.VII.1997, 2♀ ♀, ♂; Erzurum: Arıbahçe, 2400 m, 20.VII.2001, ♀, Dutçu, Komyolu, 2200 m, 18.VII.1999, ♀, Güngörmez, 2500 m, 28.VII.1998, ♀, ♂, Palandöken, 2400 m, 10.VIII.1993, ♀, University field, 1850 m, 25.VII.1994, 5♀ ♀, 17.VIII.1992, ♀, İlca, Sorkunlu, 1850 m, 30.VII.1998, ♀, Oltu, Çamlıbel, 1750 m, 2.VII.1997, ♀, Olur, Süngübayır, 1750, 24.VII.1996, ♀; Rize: İkizdere, Ovit, 2300 m, 29.VII.2000, ♂, Ovit Mt., 2400-2600 m, 11.VIII.2000, ♂.

***Tachysphex radoszkowskyi* F. MORAWITZ 1893**

M a t e r i a l   e x a m i n e d : Erzurum: Oltu, Sütkans, 1500 m, 25.VI.1996, ♀.

New for the Turkish fauna.

***Tachysphex tesselatus* (DAHLBOM 1845)**

M a t e r i a l   e x a m i n e d :   Erzurum: Şenkaya, Akşar, 1300 m, 14.VII.1998, ♂; Malatya: Kale, 1100 m, 20.VII.1999, ♂.

***Tachytes obsoletus* (ROSSI 1792)**

M a t e r i a l   e x a m i n e d :   Erzurum: İlca, Atlikonak, 1750 m, 27.VII.1996, ♀, Oltu, Sütkans, 1500 m, 25.VI.1996, ♀.

***Tachytes panzeri* (DUFOUR 1841)**

M a t e r i a l   e x a m i n e d : Erzurum: 15.VII.1992, ♂, Aşkale 1800 m, 16.VII.1999, ♀, ♂, Oltu, Sütkans, 1500 m, 25.VI.1996, 2♀ ♀; İğdır: Küllük, 850 m, 24.VIII.1997, ♂.

**Sutribe Larvina LATREILLE 1810**

***Larra anathema* (ROSSI 1790)**

M a t e r i a l   e x a m i n e d :   Erzincan: 1250 m, 14.VI.1994, ♂; Erzurum: Tortum, 1600 m, 27.VII.1998, 3♂ ♂; Kahramanmaraş: Andırın, 1400 m, 15.VIII.2000, ♂.

***Liris niger* (FABRICIUS 1775)**

M a t e r i a l   e x a m i n e d :   Erzurum: Dumlu, 1900 m, 3.VIII.1997, ♀, Şenkaya, Gaziler, Soğanlı Mt., Çakırbağa, 2450 m, 13.VIII.1998, ♂.

**Tribe M i s c o p i n i W. FOX 1894**

***Miscophus caninus* DE ANDRADE 1953**

**M a t e r i a l   e x a m i n e d :** Erzurum: İlca, Atlikonak, 1750 m, 29.VI.1999, ♀; Konya: Sille, 1350m, 10.VIII.1999, ♀.

**Tribe O x y b e l i n i LEACH 1815**

***Oxybelus dissectus elegans* MOCSARY 1879**

**M a t e r i a l   e x a m i n e d :** Konya: Cumra, Kuzucu, 1020 m, 20.VII.2000, ♀.

***Oxybelus haemorrhoidalis* OLIVIER 1812**

**M a t e r i a l   e x a m i n e d :** Erzurum: University field, 1850 m, 9.VI.2004, ♀, 29.VII.1992, ♀, Oltu, Tutmaç, 1750 m, 2.VII.2000, ♀; Konya: Güneysinir, Güragaç, 1020 m, 3.IX.2000, ♂.

***Oxybelus latro* OLIVIER 1812**

**M a t e r i a l   e x a m i n e d :** Bitlis: Adilcevaz, 1850 m, 20.VII.1999, ♀; Erzurum: Aşkale 1800 m, 16.VII.1999, ♂, Şenkaya, Turnalı, 1750 m, 25.VII.1996, ♂, 22.VIII.1999, ♂; Kars: Sarıkamış, Karakurt, 25.VIII.1997, ♂.

***Oxybelus lineatus* (FABRICIUS 1787)**

**M a t e r i a l   e x a m i n e d :** Ankara: Şereflikoçhisar, 850 m, 8.VII.1998, ♂; Erzurum: İlca, Atlikonak, 2050 m, 14.VII.1999, ♂, Rizekent, 2200 m, 30.VII.1998, ♂, 10.VIII.1999, ♂, Oltu, Çamlıbel, 1750 m, 2.VII.1997, ♂, Sütkans, 1500 m, 25.VI.1996, 6♂♂; Kars: Kağızman, 1100 m, 16.VI.1999, ♂.

***Oxybelus maculipes* F. SMITH 1856**

**M a t e r i a l   e x a m i n e d :** İçel: Siliske, 28.VIII.1998, 3♂♂; Konya: Güneysinir, Güragaç, 1020 m, 8.VII.2000, ♂, 3.IX.2000, 2♂♂.

***Oxybelus mandibularis* DAHLBOM 1845**

**M a t e r i a l   e x a m i n e d :** Erzurum: Dutçu, Komyolu, 2200 m 18.VII.1999, ♀, Konaklı, 2000-2400 m, 22.VII.2000, 2♀♀, Köprüköy, Yağan, 1600 m, 28.VI.2005, ♀; Kars: Sarıkamış, Karakurt, 23.VI.2005, ♀.

New for the Turkish fauna.

***Oxybelus mucronatus* (FABRICIUS 1793)**

**M a t e r i a l   e x a m i n e d :** Artvin: Ardanuç, Ferhatlı, 650 m, 7.VII. 1994, ♀; Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♂, Oltu, Tutmaç, 1900 m, 1.VII.2000, ♂, Tortum, 1600 m, 27.VII.1998, ♂, Alapınar, 1650 m, 19.VI.2003, ♂, Şenkaya, Timurkişla, 1400 m, 14.VIII.1998, ♀, Turnalı, 1750 m, 25. VII. 1996, ♂; Konya: Güneysinir, Güragaç, 1020 m, 3.IX.2000, ♀; Sivas: Türkşelik, 1700 m, 10.VI.1999, ♂; Kars: Sarıkamış, Karakurt, 1600 m, 25.VIII.1997, ♀.

***Oxybelus quatuordecimnotatus* JURINE 1807**

**M a t e r i a l   e x a m i n e d :** Erzincan: 1250 m, 14.VII.1994, ♀, 24.VII.1996, ♂; Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♂, Palandöken, 2400 m, 13.VII.1993, ♀, 28.VII.1992, ♀, ♂, University field, 1850 m, 19.VI.1993, ♀, 6.VII.1992, 3♀♀, ♂, 13.VII.1993, ♀, 14.VII.1993, 7♂♂, 19.VII.1993, 2♀♀, 3♂♂, 23.VII.1992, ♂, 29.VII.1992, 2♂♂, 11.VIII.1992, ♂, 12.VIII.1991, ♀, 13.VIII.1992, ♂, 17.VIII.1992, 2♀♀, ♂,

21.VIII.1996, ♂, 27.VIII.1992, ♂, Hinis, 1750 m, 19.VII.2001, ♂, İspir, Madenköprübaşı, 1100 m, 7.VII.1996, ♂, Oltu, Çamlıbel, 1750 m, 14.VII.1996, 2♀ ♀, Sütkans, 25.VI.1996, ♂, Pasinler, 17.VII.1996, 2♂ ♂, Şenkaya, Turnalı, 1750 m, 22.VIII.1999, ♂, 25.VII.1996, 2♂ ♂, 28.VII.1993, 2♂ ♂, Tortum, 1600 m, 27.VII.1998, ♂, Arılı, 1900 m, 24.VII.1993, ♀, 7.VIII.1996, ♀, ♂, Pehlivanhı, 17.VII.1996, ♂, Uzundere, 1000 m, 9.VI.1996, ♀; **Kars:** Kağızman, 1100 m, 16.VI.1999, ♂; **Konya:** Çumra, 1000 m, 13.VII.2000, ♀, 17.VII.2000, ♀; **Niğde:** Ulukışla, Çiftehan, 1050 m, 8.VIII.1999, ♀; **Sivas:** Türkşenlik, 1700 m, 10.VI.1999, ♂.

**Oxybelus uniglumis (LINNAEUS 1758)**

**M a t e r i a l   e x a m i n e d :** **Erzurum:** Dutçu, Komyolu, 2200 m, 18.VII.1999, ♂, Konaklı, 2000-2400 m, 22.VII.2000, 3♀ ♀, 2♂ ♂, İllica, Rizekent, 2200 m, 30.VII.1998, ♂.

**Oxybelus variegatus WESMAEL 1852**

**M a t e r i a l   e x a m i n e d :** **Erzurum:** Şenkaya, Akşar, 1300 m, 1.VIII.1993, ♂, Turnalı, 1750 m, 25.VI.1996, ♂; **İğdır:** 850 m, 17.VI.1999, ♂; **Kars:** Digor, Karaköy, 1700 m, 22.VII.1997, ♀; **Niğde:** Ulukışla, Çiftehan, 1050 m, 8.VIII.1999, 2♂ ♂.

**T r i b e P a l a r i n i S C H R O T T K Y 1919**

**Palarus variegatus (FABRICIUS 1781)**

**M a t e r i a l   e x a m i n e d :** **Erzurum:** 1850 m, 13.VIII.1996, ♂, Köprüköy, Yağan, 1600 m, 28.VI.2005, ♂; **Kars:** Sarıkamış, Karakurt, 1600 m, 25.VIII.1997, ♂.

**T r i b e T r y p o x y l i n i L E P E L E T I E R D E S A I N T F A R G E A U 1845**

**Trypoxylon albipes F. SMITH 1856**

**M a t e r i a l   e x a m i n e d :** **Kahramanmaraş:** Tömek, 1450 m, 9.VIII.2001, ♂.

**Trypoxylon attenuatum F. SMITH 1851**

**M a t e r i a l   e x a m i n e d :** **Erzurum:** Pasinler, Çalıyazı, 2400 m, 10. VII. 1997, ♀.

**Trypoxylon clavicerum LEPELETIER DE SAINT FARGEAU & AUDINET SERVILLE 1820**

**M a t e r i a l   e x a m i n e d :** **Artvin:** Yusufeli, Altıparmak, 1100 m, 5.VII.1994, ♀.

**Trypoxylon deceptorium ANTROPOV 1991**

**M a t e r i a l   e x a m i n e d :** **Bilecik:** 600 m, 15.VI.1995, 7♂ ♂; **Erzurum:** İspir, 1300 m, 7.VII.1996, ♂, Oltu, Sütkans, 1500 m, 25.VI.1996, ♂, Pazaryolu, 1300 m, 28.VIII.1994, 2♂ ♂, Tortum, Uzunkonak, 1350 m, 12.VII.2001, ♀.

**Trypoxylon figulus (LINNAEUS 1758)**

**M a t e r i a l   e x a m i n e d :** **Bayburt:** Çalidere, 1800 m, 16.VI.2000, ♂; **Bingöl:** Soğukçeşme, 1600 m, 5.VI.2003, ♂, Yenitaşlar, 1400 m, 5.VI.2003, ♂; **Erzurum:** Köprüköy, Yağan, 1600 m, 28.VI.2005, ♂, Şenkaya, Turnalı, 1750 m, 22.VI.2003, ♀, ♂, 25.VI.1996, ♂; **Konya:** Güneysınır, Gürağaç, 03.IX.2000.

**Trypoxylon kolazyi KOHL 1893**

**M a t e r i a l   e x a m i n e d :** **Erzurum:** Oltu, Çamlıbel, 1750 m, 14.VII.1996, ♀.

1800

***Trypoxyton latilobatum* ANTROPOV 1991**

Material examined: Erzurum: Aşkale, 1950m, 16.VII.1999, ♀.

New for the Turkish fauna.

***Trypoxyton megreense* ANTROPOV 1985**

Material examined Elazığ: Halköy, 25.VII.1997, ♂.

New for the Turkish fauna.

***Trypoxyton scutatum* CHEVRIER 1867**

Material examined: Erzurum: İspir, Madenköprübaşı, 1100 m, 7.VII.1996, ♂,  
Pasinler, Çalıyazı, 2400 m, 10.VII.1997, ♂, Oltu, Sütkans, 1500 m, 25.VI.1996, ♂;  
Şanlıurfa: 21.V.1988, ♂.

**Subfamily Pemphredoninae DAHLBOM 1835**

**Tribe Entomosericini VON DALLA TORRE 1897**

***Entomosericus concinus* (DAHLBOM 1845)**

Material examined: Erzurum: Aşkale, 1950m, 16.VII.1999, ♀.

**Tribe Pemphredonini DAHLBOM 1835**

**Subtribe Pemphredonina DAHLBOM 1835**

***Pemphredon lethifer* (SHUCKARD 1837)**

Material examined: Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♀, ♂,  
University field, 1850 m, 10.VIII.2000, ♂, Aşkale, 1800 m, 16.VII.1999, 2♀ ♀, ♂, Hınıs,  
Söylemez, 1750 m, 12.VIII.2001, ♂, 28.VI.2005, ♀, İlica, Rizekent, 2200 m, 30.VII.1998, ♀,  
♂, Sorkunlu, 1850 m, 30.VII.1998, ♀, Köprüköy, Yağan, 1600 m, 28.VI.2005, ♀, ♂;  
Kahramanmaraş: Andırın, 1400 m, 15.VIII.2000, ♂; Kars: Sarıkamış, Yeniköy, 1950 m,  
17.VIII.1998, 2♀ ♀; Konya: Sille, 1350 m, 10.VIII.1999, ♂.

**Tribe Psenini A. COSTA 1858**

***Mimesa crassipes* A. COSTA 1871**

Material examined: Erzurum: Şenkaya, Akşar, 1300 m, 14.VII.1998, ♀.

***Mimesa equestris* (FABRICIUS 1804)**

Material examined: Erzurum: İlica, Sorkunlu, 1850 m, 30.VII.1998, ♀.

New for the Turkish fauna.

***Mimesa fallax* F. MORAWITZ 1893**

Material examined: Erzurum: Şenkaya, Timurkişla, 1400 m, 14.VIII.1998, ♂.

New for the Turkish fauna.

1801

***Mimumesa atratina* (F. MORAWITZ 1891)**

Material examined: Erzurum: Oltu, Çamlıbel, 1750 m, 14.VII.1996, ♂; Konya: Bozkır, Belören, 1035 m, 22.VII.2000, ♀.

***Psenulus concolor* (DAHLBOM 1843)**

Material examined: Konya: Sille, 1350 m, 10.VIII.1999, ♂.

***Psenulus laevigatus* (SCHENCK 1857)**

Material examined: Erzurum: Aşkale, 1950m, 16.VII.1999, ♀.

New for the Turkish fauna.

***Psenulus meridionalis* DE BEAUMONT 1937**

Material examined: Erzurum: İliç, Atlıkonak, 2000 m, 29.VI.1999, ♂, Narman, Kireçli, 2100 m, 2.VII.2000, ♂, Şenkaya, Akşar, 1300 m, 14.VII.1998, ♂.

***Psenulus pallipes* (PANZER 1798)**

Material examined: Erzurum: Tortum, Alapınar, 1650 m, 19.VI.2003, ♀, Şenkaya, Turnalı, 1750 m, 22.VIII.1999, ♀.

**Subfamily Philyanthinae LATREILLE 1802**

**Tribe Cercerini LEPELETIER DE SAINT FARGEAU 1845**

***Cerceris aerata* KAZENAS 1972**

Material examined: Erzurum: Şenkaya, Turnalı, 1750 m, 8.VIII.1997, ♂.

New for the Turkish fauna.

The female from Erzurum province almost completely fits the redescription of *C. aerata* made by KAZENAS (KAZENAS 1984: 95-96) regarding the body sculpture and the main plan of the distribution of the pale colour pattern. However, it has the mesonotal macro-punctures smaller and sparser and absence of any red coloration on the body.

***Cerceris albicolor* SHESTAKOV 1918**

Material examined: Erzurum: Aşkale, 1950m, 16.VII.1999, ♀; Kars: Kağızman, 1100 m, 16.VI.1999, ♂.

***Cerceris arenaria* (LINNAEUS 1758)**

Material examined: Artvin: Ardanuç, Ferhatlı, 650 m, 7.VII.1994, ♂, Yusufeli, 15.VIII.1991, 2♂♂, Altıparmak, 1100 m, 5.VII.1994, 2♂♂, Demirkent, 450 m, 6.VII.1994, 5♂♂, İshان, 15.VIII.1991, ♂, Kinalıçam, 800 m, 4.VII.1994, 2♂♂, Sarıgöl, 700 m, 5.VII.1994, 5♂♂, Sebzeciler, 450 m, 6.VII.1994, ♂; Balıkesir: Ayvalık, 8.VIII.1998, 4♀♀, ♂; Bayburt: Demirözü, 17.VII.1991, ♂, Kopdağı, 2200 m, 9.VIII.1994, ♂; Bilecik: 600 m, 15.VII.1995, 2♀♀, 2♂♂; Erzincan: 1250 m, 14.VI.1994, 3♀♀, 5♂♂, 23.VI.1994, 2♀♀, 4♂♂, 11.VII.1994, ♂, 18.VII.1997, ♀, 19♂♂, 24.VII.1996, 2♂♂, Mercan, Yollarüstü, 9.VII.1993, ♂, Üzungöl, 1300 m, 16.VI.1994, 2♂♂; Erzurum: Abdurrahmangazi, 2200 m, 22.VII.1990, ♂, Güzelyayla, 2000 m, 29.VIII.1992, ♀, 2♂♂, Şenyurt, 1900 m, 22.VIII.1991, 2♀♀, ♂, Tafta, 1900 m, 14.VII.1996, ♂, Palandöken, 2400 m, 1.VII.1996, ♂, 13.VII.1994, 3♂♂, 6.VIII.1996, ♂, 28.VIII.1992, ♂, University field, 1850 m, 3.VII.1997, ♂, 7.VII.1993, 2♂♂, 8.VII.1993, ♀, 11.VII.1994, 5♂♂, 12.VII.1993, ♂, 19.VII.1993, ♂, 20.VII.1993, 2♂♂, 25.VII.1994, ♂, 29.VII.1992, 5♂♂, 30.VII.1991, ♂, 8.VIII.1990, ♂, 8.VIII.1993, ♂,

10.VIII.1992, ♂, 10.VIII.1993, ♀, 11.VIII.1993, ♂, 18.VIII.1993, ♀, 21.VIII.1996, ♂, Aşkale, 2080 m, 9.VIII.1994, ♀, 2♂♂, Ortabayçe, 1840 m, 9.VIII.1998, ♂, Hinis, 19.VII.2001, ♂, Söylemez, 1750 m, 28.VI.2005, ♂, İlica, Rizekent, 1900 m, 10.VIII.1999, ♂, Sorkunlu, 1800 m, 10.VIII.1999, ♂, İspir, Madenköprübaşı, 1100 m, 18.VI.1994, ♀, 7.VII.1996, 2♂♂, 22.VIII.1992, ♂, 26.VIII.1990, ♀, Köprüköy, 18.VII.1990, ♂, Narman, Göllü, 29.VIII.1991, ♂, Ünlükaya, 16.VIII.1996, ♀, Oltu, 11.VII.1991, ♂, Çamlıbel, 1750 m, 2.VII.1997, ♂, 14.VII.1996, ♂, Sütkans, 1500 m, 25.VI.1996, ♂, Olur, 1600 m, 21.VII.1992, ♂, Pasinler, 17.VII.1996, ♂, Çalıyazı, 2400 m, 10.VII.1997, ♂, Pazaryolu, 27.VIII.1992, 2♀♀, Şenkaya, Akşar, 1300 m, 9.VII.2000, ♂, 26.VII.1994, 2♂♂, Gaziler, Soğanlı Mt. Çakırbaba, 2450 m, 13.VIII.1998, 2♂♂, Sarıkayalar, 21.VIII.1997, ♂, Timurkışla, 1400 m, 14.VIII.1998, 2♂♂, Turnalı, 1750 m, 28.VI.1993, ♂, 6.VII.1990, ♂, 23.VII.1996, 2♂♂, 25.VII.1996, 6♂♂, 6.VIII.1990, 6♀♀, ♂, 8.VIII.1997, 5♂♂, 10.VIII.1997, ♂, 28.VIII.1994, ♂, 6.IX.1994, 2♀♀, Tortum, 1600 m, 14.VIII.1998, ♂, Aksu, 1750 m, 12.VIII.1998, ♀, 2♂♂, Anlı, 1600 m, 7.VII.1996, ♂, Pehlivanlı, 1200 m, 12.VII.1992, ♀, ♂, Uzungere, 12.VIII.1993, 2♀♀, 3♂♂; İğdır: 850 m, 16.VII.1997, ♂, 24.VIII.1997, ♂, Akyumak, 850 m, 18.VI.1991, ♂, Külliük, 24.VII.1997, ♂, Melekli, 24.VIII.1997, ♂, Aralık, Çamurlu, 900 m, 24.VIII.1997, 2♂♂; İçel: Silifke, 23.V.1992, ♂; Kahramanmaraş: Andırın, 1400 m, 15.VIII.2000, 2♂♂; Kars: Digor, Karaköy, 1700 m, 22.VIII.1997, 8♂♂, Kağızman, 19.VI.1991, 4♀♀, 5♂♂, 22.VIII.1990, ♂, 24.VIII.1997, 3♂♂, Sarıkamış, 26.VIII.1991, ♀, ♂, Akkurt, 1650 m, 25.VIII.1997, ♀, 6♂♂, Karakurt, 25.VIII.1997, 7♂♂; Konya: Güneysinir, Gürğaç, 1020 m, 3.IX.2000, 2♀♀, 4♂♂, Sille, 1350 m, 10.VIII.1999, ♂; Malatya: Kale, 1100 m, 20.VII.1999, ♂; Niğde: Ulukışla, Çifttehan, 1050 m, 8.VIII.1999, 2♂♂; Samsun: Çarşamba, 22.VIII.1992, ♂.

### *Cerceris bicincta* KLUG 1835

Material examined: Erzurum: Dutçu, Komyolu, 2200 m, 18.VII.1999, ♂, University field, 1850 m, 20.VII.1993, ♂, 10.VIII.1993, ♂, Olur, 1500 m, 22.VII.1992, ♂; Kars: Digor, Bostankale, 1770 m, 17.VII.2005, ♂.

### *Cerceris bracteata* EVERSMANN 1849

Material examined: Bingöl: Bilaloğlu, 1250 m, 26.V.2003, ♂; Erzurum: University field, 1850 m, 7.VI.1994, ♂.

### *Cerceris bupresticida* DUFOUR 1841

Material examined: Balıkesir: Ayvalık, 8.VIII.1998, ♂; Bilecik: 600 m, 15.VII.1995, ♂; Erzurum: Şenyurt, 2300 m, 27.VI.1996, ♂, Oltu, Karakol, 1850 m, 1.VII.2000, ♀, ♂, Tortum, Aksu, 1750 m, 12.VIII.1998, ♂, Şenkaya, Akşar, 1300 m, 14.VII.1998, 2♂♂, Timurkışla, 1400 m, 14.VII.1998, ♂; İğdır: Külliük, 850 m, 24.VIII.1997, ♀; Kahramanmaraş: Andırın, 1400 m, 15.VIII.2000, ♂; Kars: Sarıkamış, Akkurt, 1650 m, 25.VIII.1997, ♂; Konya: Cumra, Kuzucu, 1020 m, 20.VII.2000, Güneysinir, Gürğaç, 1020 m, 3.IX.2000, 2♂♂; Malatya: Kale, 1100 m, 20.VII.1999, ♂; Niğde: Ulukışla, Çifttehan, 1050 m, 8.VIII.1999, ♂.

### *Cerceris conica* SHESTAKOV 1918

Material examined: Erzurum: Oltu, Çamlıbel, 1750 m, 2.VII.1997, ♀, Tortum, Kireçli Mt., 25.VI.1996, ♂.

### *Cerceris cupes* SHESTAKOV 1918

Material examined: Erzurum: Pasinler, Çalıyazı, 2400 m, 10.VII.1997, ♀.

New for the Turkish fauna.

### *Cerceris eryngii* MARQUET 1875

Material examined: Artvin: Savşat, Karagöl, 1650 m, 8.VII.1998, ♀; Bayburt: Kopdağı, 2200 m, 9.VIII.1994, ♀; Erzurum: Palandöken, 2200 m, 22.VII.1994, ♀, University field, 1850 m, 20.VII.1993, ♀, 8.VIII.1993, ♀, 11.VIII.1993, ♀, İllica, Rizekent, 1900 m,

10.VIII.1999, ♀, Pasinler, Büyükdere, 1940 m, 10.VIII.1994, ♀, Çalıyazı, 2400 m, 10.VII.1994, ♀, Şenkaya, Akşar, 1300 m, 9.VII.2000, ♀, Gaziler, Soğanlı Mt. Çakırbaşa, 2450 m, 13.VIII.1998, 2♂ ♀, Turnalı, 1750 m, 1.VII.1990, ♀, 25.VII.1996, ♀, 25.VIII.2000, ♀, Tortum, Uzunkonak, 1350, 12.VII.2001, ♀; Kars: Digor, Karaköy, 1700 m, 22.VIII.1997, ♀, Kağızman, 1100 m, 16.VI.1999, ♀.

***Cerceris eucharis* SCHLETTTERER 1887**

Material examined: Ağrı: Patnos, 1700 m, 7.VII.2003, ♂.

***Cerceris euryanthe* KOHL 1888**

Material examined: Erzurum: University field, 1850 m, 20.VI.1996, ♀, 8.VII.1997, ♂.

***Cerceris eversamnni caucasica* SHESTAKOV 1915**

Material examined: Erzurum: Oltu, Çamlıbel, 1750 m, 2.VII.1997, ♂, 2.VII.2000, ♂.

New for the Turkish fauna.

***Cerceris eversamnni warnckeii* K. SCHMIDT 2000**

Material examined: Erzurum: Şenyurt, 2300 m, 22.VIII.1991, ♀, , Şenkaya, Gaziler, Soğanlı Mt. Çakırbaşa, 2450 m, 13.VIII.1998, ♀, Pasinler, Pelitli, 2000 m, 14.VII.1998, ♀.

***Cerceris favilabris* (FABRICIUS 1793)**

Material examined: Bilecik: 600 m, 15.VI.1995, ♂; Erzincan: Çağlayan, 8.VIII.1990, ♂; Erzurum: Dumlu, 1900 m, 21.VIII.1994, ♂, Konaklı 2000-2400 m, 22.VII.2000, ♂, University field, 1850 m, 29.VII.1992, ♂, 21.VIII.1996, ♂, İspir, Maden-köprübaşı, 1100 m, 28.VIII.1992, 2♂ ♂, Şenkaya, Akşar, 1300 m, 14. VII.1998, 2♂ ♂, 9.VII.2000, ♂, Gaziler, Çakırbaşa, Soğanlı Mt., 2450 m, 13.VIII.1998, 2♂ ♂; Timurtaşla, 1400 m, 14.VIII.1998, ♂, Turnalı, 1750 m, 25.VII.1991, ♂, 6.VIII. 1990, ♂; İğdır: Akyumak, 850 m, 18.VII.1991, ♂; Kars: 23.VIII.1993, ♂, Digor, Karaköy, 1700 m, 22.VIII.1997, ♂, Posof, Sarıdarı, 28.VIII.1991, ♂, Sarıkamış, Karakurt, 1600 m, 25.VIII.1998, ♂; Rize: İkizdere, Ovit Mt., 2400-2600 m, 11.VIII.2000, ♂.

***Cerceris fimbriata* (ROSSI 1790)**

Material examined: Adiyaman: Gölbasi, Karacaoluk, 650 m, 21.VIII.1998, ♂; Kahramanmaraş: Andırın, 1400 m, 15.VIII.2000, 2♂ ♂; Kars: Kağızman, 1100 m, 16.VI.1999, ♀.

***Cerceris flavigornis* BRULLÉ 1833**

Material examined: Artvin: Yusufeli, Kinalıçam, 800 m, 4.VII.1994, 2♂ ♂; Erzincan: 1250 m, 18.VII.1997, ♂, 30.VII.1991, 3♂ ♂; Erzurum: Şenkaya, Turnalı, 1750 m, 25.VII.1996, ♂, 25.VIII.1991, ♂, 8.IX.1994, ♂, Tortum, 27.VIII.1998, ♂; Konya: Güneysünür, Gürğaç, 1020 m, 25.VII.1999, ♀.

***Cerceris gusenleitneri* K. SCHMIDT 2000**

Material examined: Bayburt: Kopdağı 2200 m, 9.VIII.1994, ♂ Bitlis: Adilcevaz, 1850 m, 20.VII.1999, ♂; Erzurum: Konaklı 2000-2400 m, 22.VII.2000, ♂, Şenkaya, Sarıkayalar, 1750 m, 21.VIII.1997, ♀.

***Cerceris lunata* A. COSTA 1869**

Material examined: Ankara: Şereflikoçhisar, 8.VII.1998, ♀, ♂, Musullar, 16.VII.1998, ♀; Balıkesir: Ayvalık, 8. VIII.1998, ♂; Bilecik: 600 m, 15.VII.1995, ♀;

**Erzurum:** University field, 1850 m, 8.VII.1997, ♂, 10.VIII.1993, ♂; **Konya:** Çumra, 1000 m, 17.VII.2000, ♂.

### **Cerceris media** KLUG 1835

**M a t e r i a l   e x a m i n e d :** **Erzurum:** Hınıs, 1750 m, 19.VII.2001, ♂.

### **Cerceris quadricincta** (PANZER 1799)

**M a t e r i a l   e x a m i n e d :** **Artvin:** Şavşat, Kargöl, 1650 m, 8.VII.1998, ♂; **Bilecik:** 600 m, 15.VII.1995, ♂; **Bingöl:** Solhan, Bağlan, 24.VI.2000, ♂; **Erzincan:** 1250 m, 14.VI.1994, ♂, 11.VII.1994, 2♀ ♀, ♂, 18.VII.1997, 2♀ ♀, 2♂ ♂, Bayırbağ, 31.VII.1991, ♂, Tercan, 17.VII.1997, ♀, Üzungöl, 31.VII.1991, 4♀ ♀, ♂; **Erzurum:** Palandöken, 2400 m, 23.VII.1997, ♀, Şenyurt, 2000 m, 12.VII.1993, ♂, University field, 1850 m, 20.VII.1993, 2♂ ♂, 10.VIII.1993, ♂, 11.VIII.1993, ♂, Aşkale, 1950 m, 14.VII.1999, ♂, İspir, Madenköprübaşı, 1100 m, 28.VIII.1992, 3♂ ♂, Oltu, Çamlıbel, 1750 m, 12.VIII.1998, ♀, Sütçans, 1500 m, 25.VI.1996, ♀, ♂, Olur, 1500 m, 22.VII.1992, 4♀ ♀, Pasinler, Çalıyazı, 2400 m, 2.VII.1997, 2♂ ♂, Rabat, 11.VII.1996, 2♂ ♂, Şenkaya, Akşar, 1300 m, 26.VII.1994, ♂, Turnalı, 1750 m, 25.VII.1996, 2♀ ♀, 8♂ ♂, 28.VII.1993, 6♂ ♂, 8.VIII.1997, ♀, 4♂ ♂, 10.VIII.1997, 2♀ ♀, ♂, 22.VIII.1999, ♂, Tortum Pehlivانlı, 1100 m, 12.VII.1992, 5♀ ♀, 7♂ ♂, 13.VIII.1991, 2♂ ♂; **Hatay:** Taşoluk, 5.VIII.1997, ♂; **İğdır:** Akyumak, 850 m, 18.VII.1991, ♀, ♂, Melekli, 18.VII.1991, ♂; **Kars:** Sarıkamış, 1900 m, 23.VI.2005, ♂, Şeytangeçmez, 1500 m, 2.VI.1999, ♂; **Konya:** Güneysınır, Güragaç, 1020 m, 3.IX.2000, ♀, ♂.

### **Cerceris quadrifasciata** (PANZER 1799)

**M a t e r i a l   e x a m i n e d :** **Erzurum:** İspir, Madenköprübaşı, 1100 m, 28.VIII.1992, ♀, Oltu, Sütçans, 1500 m, 25.VI.1996, 7♀ ♀, Olur, 1500 m, 22.VII.1992, ♀, Tortum, Uzunkö-nak, 1350 m, 12.VII.2001, ♀, Uzundere, Şelale, 1000 m, 9.VI.1996, 2♀ ♀.

### **Cerceris quinquefasciata** (ROSSI 1792)

**M a t e r i a l   e x a m i n e d :** **Erzurum:** Abdurrahmangazi, 2400 m, 22.VII.1990, ♂, Konaklı 2000-2400 m, 22.VII.2000, 2♂ ♂, Güzelyayla, 2000 m, 29.VIII.1992, ♂, Palandöken, 2400 m, 1.VII.1996, ♂, 10.VII.1993, ♂, 23.VII.1997, ♂, 28.VII.1992, ♂, University field, 1850 m, 3.VII.1997, 5♂ ♂, 8.VII.1997, 6♂ ♂, 15.VII.1993, ♂, 20.VII.1993, ♂, 19.VII.1994, ♂, 20.VII.1993, ♂, 29.VII.1992, ♂, Oltu, Çamlıbel, 1750 m, 2.VII.1997, 3♂ ♂, Pazaryolu, 1300 m, 27.VIII.1992, ♂, Tortum, Aksu, 1750 m, 12.VIII.1998, ♂, Pehlivanhı, 1200 m, 12.VII.1992, ♂; **Kars:** Digor, Karaköy, 1700 m, 22.VIII.1997, ♂; **Osmaniye:** Nur Mt. 24.V.1992, ♂.

### **Cerceris rubida** (JURINE 1807)

**M a t e r i a l   e x a m i n e d :** **Artvin:** Yusufeli, İşhan, 15.VIII.1991, ♂; **Balıkesir:** Ayvalık, 8.VIII.1998, ♀, 3♂ ♂; **Bilecik:** 600 m, 15.VI.1995, ♂; **Erzincan:** 1250 m, 14.VI.1994, 2♂ ♂, 7.VII.1993, 2♂ ♂, 11.VII.1994, 4♂ ♂, 24.VII.1996, ♂, 30.VII.1991, ♂, Çağlayan, 8.VIII.1990, ♀, Pişkidağ, 8.VII.1993, 2♂ ♂, Üzungöl, 1300 m, 16.VI.1994, ♂, 8.VII.1993, 3♂ ♂; **Erzurum:** 5.VIII.1995, ♂, University field, 1850 m, 3.VII.1992, ♂, 8.VI.1994, 2♀ ♀, 4.VII.2000, ♂, 12.VII.1993, ♂, 14.VII.1991, ♂, 18.VII.1990, ♀, 19.VII.1993, 2♂ ♂, 20.VII.1993, 4♂ ♂, 20.VII.1994, ♀, 25.VII.1994, ♀, 29.VII.1992, ♀, 2♂ ♂, 8.VIII.1993, 3♂ ♂, 11.VIII.1993, ♂, 21.VIII.1996, ♀, Aşkale, 1800 m, 16.VII.1999, ♂, Hınıs, 1750 m, 19.VII.2001, 3♂ ♂, İspir, 17.VII.1992, 10♂ ♂, Madenköprübaşı, 18.VI.1994, ♀, Köprüköy, Yağan, 1600 m, 28.VI.2005, 2♂ ♂, Oltu, Ayvalı, 900 m, 15.VIII.1991, ♀, 2♂ ♂, Olur, 22.VII.1992, 2♂ ♂, Taşköy, 12.VII.1991, ♂, Köprüköy, 19.VII.1990, 4♂ ♂, Pasinler, 1650 m, 17.VII.1996, ♂, 13.VIII.1992, ♂, Çalıyazı, 2400 m, 10.VII.1997, ♂, Rabat, 27.VIII.1996, ♂, Şenkaya, Akşar, 1300 m, 26.VII.1994, ♀, ♂, 1.VIII.1993, ♂, Paşalı, 3.VIII.1991, ♀, Penek, 9.VII.1992, 2♂ ♂, Turnalı, 1750 m, 12.VI.1992, ♂, 28.VII.1994, 2♀ ♀, Tortum, Pehlivanhı, 1200 m, 12.VIII.1993, ♂; **İğdır:** Akyumak, 850 m, 18.VII.1991, 5♂ ♂; **Kars:** Kağızman, 1100 m, 19.VII.1991, ♂, 22.VIII.1990, ♂; **Konya:** Çumra, 1000 m, 12.VIII.2000, ♂.

*Cerceris ruficornis* (FABRICIUS 1793)

M a t e r i a l   e x a m i n e d : Artvin: Şavşat, Kargöl, 1650 m, 8.VII.1998, 2♀ ♀; Erzincan: 1250 m, 14.VI.1994, ♂; Erzurum: Dereboğazi, 2000 m, 11.VII.1994, ♂, Dutçu, 2000 m, 20.VI.1994, ♂, Şenyurt, 1900 m, 22.VIII.1991, 4♀ ♀, University field, 1850 m, 7.VI.1993, ♂, 10.VI.1993, 5♂ ♂, 12.VI.1994, 4♂ ♂, 13.VI.1994, ♂, 29.VI.1992, ♂, 30.VI.1994, ♀, ♂, 2.VII.1992, 2♂ ♂, Hınıs, Söylemez, 1750 m, 28.VI.2005, ♂, Oltu, Çamlıbel, 1750 m, 2.VII.1997, ♀, 14.VII.1996, ♂, Olur, 1600 m, 22.VII.1992, ♂, Şenkaya, Gaziler, Çakırbaşa, Soğanlı Mt., 2450 m, 13.VIII.1998, 2♀ ♀, Turnalı, 1750 m, 20.VI.1997, ♂, 25.VI.1991, ♂, 1.VII.1990, ♂, 6.VII.1990, ♀, 28.VII.1991, ♀, 28.VII.1993, ♂, 6.VIII.1990, ♂; Kars: Posof, İlgar Pass, 27.VIII.1991, ♂.

*Cerceris rutila mavromoustakisi* GINER MARI 1945

M a t e r i a l   e x a m i n e d : Erzurum: University field, 1850 m, 29.VII.1992, ♀.

*Cerceris rybyensis* (LINNAEUS 1771)

M a t e r i a l   e x a m i n e d : Erzurum: Konaklı 2000-2400 m, 22.VII.2000, 2♀ ♀, Tafta, 1900 m, 14.VII.1996, ♀, University field, 1850 m, 20.VII.1993, ♀, ♂, Narman, Kireçli, 2.VII.2000, 1900 m, ♂, Pasinler, Çalyazı, 2400 m, 10.VII.1997, ♂, Şenkaya, Gaziler, Çakırbaşa, Soğanlı Mt., 2450 m, 13.VIII.1998, ♂, Turnalı, 1750 m, 12.VI.1992, ♂.

*Cerceris sabulosa* (PANZER 1799)

M a t e r i a l   e x a m i n e d : Artvin: Ardanuç, Ferhatlı, 7.VII.1994, ♂, Yusufeli, 4.VII.1994, ♀, 15.VIII.1991, 2♂ ♂, Demirkent, 450 m, 6.VII.1994, ♀, Kinalışam, 4.VII.1994, ♀, ♂; Balıkesir: Ayvalık, 8.VIII.1998, 6♂ ♂; Bayburt: Kopdağı, 2200 m, 9.VIII.1994, 2♀ ♀; Bilecik: 600 m, 15.VII.1995, ♀, 8♂ ♂; Bingöl: Yenibaşlar, 1400 m, 5.VI.2003, 3♂ ♂; Erzincan: 1250 m, 14.VI.1994, 4♀ ♀, ♂, 7.VII.1993, 3♂ ♂, 11.VII.1994, ♀, ♂, 18.VII.1997, 3♀ ♀, ♂, Üzungöl, 1300 m, 18.VII.1994, 2♀ ♀, Karakaya, 31.VII.1991, 2♀ ♀; Erzurum: Dereboğazi, 2070 m, 11.VIII.1994, 2♂ ♂, Dutçu, Komyolu, 2200 m, 18.VII.1999, 4♂ ♂, Konaklı 2000-2400 m, 22.VII.2000, 11♂ ♂, Palandöken, 2400 m, 23.VII.1997, ♀, 28.VII.1992, ♀, University field, 1850 m, 8.VI.1994, ♀, 20.VI.1996, ♂, 8.VII.1997, ♂, 14.VII.1993, 2♂ ♂, 20.VII.1993, ♂, 25.VII.1994, 2♀ ♀, ♂, 29.VII.1992, ♂, 3.VIII.1990, ♂, 10.VIII.1993, ♀, 16.VIII.1993, ♂, 21.VIII.1996, ♀, Aşkale, 1950 m, 16.VII.1999, ♀, Ortahabçe, 1840 m, 9.VIII.1994, ♂, Hınıs, Söylemez, 1750 m, 12.VII.2001, ♀, Horasan, 6.VII.1991, ♀, İlica, Sorkunlu, 1850 m, 10.VIII.1999, ♀, 4♂ ♂, İspir, İspir Pass, 2100 m, 13.VII.2001, ♂, Madenköprübaşı, 1100 m, 18.VI.1994, ♀, 7.VII.1996, 2♂ ♂, Karaoğlan, 19.VII.1990, ♂, Oltu, Ayvalı, 15.VIII.1991, 2♀ ♀, 2♂ ♂, Çamlıbel, 1750 m, 12.VIII.1998, ♀, ♂, Olur, Sungubayır, 1750 m, 22.VI.1992, ♂, 2.VII.1998, ♂, 23.VII.1992, ♂, Pasinler, Büyükdere, 1940 m, 10.VIII.1994, ♀, Çalyazı, 2400 m, 10.VII.1997, 2♂ ♂, Pazaryolu, 1300 m, 27.VIII.1992, ♀, Şenkaya, Akşar, 1300 m, 26.VII.1994, 7♂ ♂, 4.VIII.1996, ♀, Gaziler, Çakırbaşa, Soğanlı Mt., 2450 m, 13.VIII.1998, 2♂ ♂, Timurkişla, 1400 m, 14.VIII.1998, 5♂ ♂, Turnalı, 1750 m, 20.VI.1997, ♀, 1.VII.1990, ♀, 8.VII.1997, 3♀ ♀, 25.VII.1991, ♂, 25.VII.1996, ♂, 29.VII.1994, ♀, ♂, 8.VIII.1997, ♂, 14.VIII.1998, ♀, 22.VIII.1999, 2♂ ♂, 6.IX.1994, ♂, Tortum, Aksu, 1750 m, 12.VII.1998, ♂, Arılık, 1600 m, 7.VII.1996, ♀, 2♂ ♂, Pehlivanlı, 1200 m, 12.VIII.1993, ♀, 13.VIII.1991, ♂, Uzundere, 1100 m, 12.VIII.1993, ♀, 2♂ ♂, Şelale, 1000 m, 9.VI.1996, ♀; İğdır: Akyumak, 850 m, 18.VII.1991, ♀, Küllük, 850 m, 24.VIII.1997, ♀, Melekli, 850 m, 18.VII.1991, 2♂ ♂, Yaya, 24.VIII.1997, ♀, ♂, Tuzluca, 890 m, 24.VIII.1997, 2♂ ♂, 22.VIII.1990, 2♀ ♀; İçel: Silifke, 28.VIII.1998, ♀, 3♂ ♂, Tarsus, Çamlıayla, 25.V.1992, ♂; Kahramanmaraş: Andırın, 1400 m, 15.VIII.2000, ♀; Kars: Kağızman, 1100 m, 16.VI.1999, 2♂ ♂, 19.VII.1991, ♀, 2♂ ♂, 24.VII.1997, ♀, 22.VIII.1990, 2♂ ♂, Sarıkamış, Akkurt, 1650 m, 25.VII.1997, 7♀ ♀, ♂, Kalebas, 1700 m, 25.VIII.1997, 3♀ ♀, Karakurt, 1600 m, 15.VIII.1999, ♀, 25.VIII.1997, 3♀ ♀, 2♂ ♂; Konya: Bozkır, Belören, 1035 m, 22.VII.2000, 4♂ ♂, Çumra, 1000 m, 13.VII.2000, 3♂ ♂, Güneysirin, Güragaç, 1020 m, 23.VII.1999, ♀, 8.VII.2000, 5♂ ♂, 3.IX.2000, ♀, ♂, Sille, 1350 m, 10.VIII.1999, ♀; Malatya: Kale, 1100 m, 20.VII.1999, 3♂ ♂; Niğde: Ulukışla, Çifteler, 1050 m, 8.VIII.1999, 3♀ ♀, 4♂ ♂.

1806

***Cerceris specularis fergusoni* DE BEAUMONT 1958**

M a t e r i a l   e x a m i n e d : Diyarbakır: Silvan, 600 m, 17.IV.1995, ♂; Erzincan: 1250 m, 14.VI.1994, 4♀ ♀, 23.VI.1994, ♀, 11.VII.1994, 3♀ ♀; Erzurum: Konaklı 2000-2400 m, 22.VII.2000, 2♂ ♂, University field, 1850 m, 8.VII.1997, ♂, 10.VII.1993, ♀, 14.VII.1993, ♀, 8.VIII.1993, ♀, 15.VIII.1993, ♀, ♂, Aşkale, 1800 m, 16.VII.1999, ♀, ♂, Hinis, 1750 m, 19.VII.2001, ♂, İlca, Rizekent, 1950 m, 10.VIII.1999, ♂, Köprüköy, Söylemez, 1850 m, 12.VII.2001, ♀.

***Cerceris stratiotes* SCHLEITTERER 1887**

M a t e r i a l   e x a m i n e d : Artvin: Yusufeli, İshان, 15.VIII.1991, ♂; Erzincan: 1250 m, 23.VI.1994, ♂, 30.VII.1991, ♂, Üzungöl, Pıskıdağ, 1350 m, 8.VII.1993, ♀; Erzurum: Palandöken, 2400 m, 13.VII.1994, ♂, 28.VII.1992, ♂, University field, 1850 m, 3.VII.1994, ♂, 3.VII.1997, ♂, 15.VII.1997, ♂, 19.VII.1993, 5♂ ♂, 29.VII.1992, 2♂ ♂, 8.VIII.1993, 11♂ ♂, 11.VIII.1993, ♂, 15.VIII.1993, ♀, 3♂ ♂, Oltu, Çamlıbel, 1750 m, 14.VII.1996, ♂, Olu, 1600 m, 22.VII.1992, ♂, Sungubayır, 1750 m, 23.VII.1992, ♂, Şenkaya, Turnalı, 1750 m, 8.VII.1997, 2♂ ♂, Tortum, 1600 m, 21.VI.2005, ♂, Aşağı Meydanlar, 4.VII.1991, ♂; İğdır: Akyumak, 850 m, 18.VII.1991, ♂; Konya: Sille, 1350 m, 10.VIII.1999, ♀.

***Cerceris stratonikae* K. SCHMIDT 2000**

M a t e r i a l   e x a m i n e d : Diyarbakır: Silvan, 600 m, 17.IV.1995, ♂.

***Cerceris tenuivittata* DUFOUR 1849**

M a t e r i a l   e x a m i n e d : Erzurum: University field, 1850 m, 4.VIII.1998, ♂.

***Cerceris tuberculata gemmina* SHESTAKOV 1927**

M a t e r i a l   e x a m i n e d : Erzurum: İspir, 1300 m, 1.VIII.1990, ♀, Şenkaya, Akşar, 1300 m, 9.VII.2000, 2♂ ♂, Turnalı, 1750 m, 8.VIII.1997, ♂; Konya: Güneysünir, Güragaç, 1020 m, 8.VII.2000, ♀.

**Subtribe Philanthina LATREILLE 1802**

***Philanthus kohlii* F. MORAWITZ 1890**

M a t e r i a l   e x a m i n e d : Erzincan: 1250 m, 18.VII.1997, ♂; Kahramanmaraş: Elbistan, 1050 m, 5.VIII.1998, ♀; Malatya: Kale, 1100 m, 20.VII.1999, 2♂ ♂.

New for the Turkish fauna.

***Philanthus kokandicus* RADOSZKOWSKI 1877**

M a t e r i a l   e x a m i n e d : Bitlis: Adilcevaz, Yıldız, 1950 m, 15.VII.1999, ♂; Erzurum: University field, 1850 m, 18.VII.1994, ♀, İspir, Madenköprübaşı, 1100 m, 28.VIII.1992, ♀, Şenkaya, Gaziler, 1700 m, 1.IX.1996, ♀, Turnalı, 1750 m, 6.VIII.1990, ♀; Kars: Sarıkamış, Akkurt, 1650 m, 25.VIII.1997, ♀, ♂.

New for the Turkish fauna.

***Philanthus reinigi* BISCHOFF 1930**

M a t e r i a l   e x a m i n e d : Erzurum: İlca, Rizekent, 2200 m, 30.VII.1998, 2♀ ♀, Tortum, Aksu, 1750 m, 12.VIII.1998, ♀; Kars: Sarıkamış, Yeniköy, 1950 m, 17.VIII.1998, ♀.

New for the Turkish fauna.

***Philanthus triangulum* (FABRICUS 1775)**

M a t e r i a l   e x a m i n e d : Artvin: Ardanuç, Ferhatlı, 650 m, 7.VII.1994, ♀, ♂, Borçka,

14.VIII.1990, 6♂ ♂, Yusufeli, 550 m, 4.VII.1994, ♂, Sebzeciler, 550 m, 14.VIII.1991, ♀; **Bahkesir:** Ayvalik, 8.VIII.1998, ♂; **Bingöl:** Solhan, 2122 m, 24.VI.2000, ♂; **Bitlis:** Adilcevaz, Yıldız, 1950 m, 15.VII.1999, 2♀ ♀; **Erzincan:** 1250 m, 14.VII.1994, ♂, Üzümlü, 1300 m, 16.VI.1994, ♂; **Erzurum:** Dumlu, 2000 m, 2.VII.1994, ♀, Konaklı, 2000-2400 m, 22.VII.2000, 5♂ ♂, Palandöken, 2200 m, 13.VII.1994, ♂, 22.VII.1994, 2♂ ♂, 2.VIII.1994, ♂, 6.VIII.1996, ♂, Şenyurt, 2000 m, 22.VIII.1991, 2♂ ♂, University field, 1850 m, 18.VIII.1994, ♀, 10.VIII.1992, ♀, ♂, Çat, Taşağıl, 2200 m, 11.VIII.1994, 2♀ ♀, ♂, İlca, Rizekent, 1900 m, 15.VIII.2000, ♀, ♂, Narman, Çimenli, 29.VIII.1992, ♂, Şehitler, 1600 m, 5.VIII.1997, ♀, Oltu, Çamlıbel, 1750 m, 19.VIII.2000, 4♀ ♀, 10♂ ♂, Pazaryolu, 15.VIII.2000, ♂, 27.VIII.1992, ♀, Şenkaya, Aksar, 9.VII.2000, 3♀ ♀, 14.VII.1998, 4♂ ♂, 22.VIII.1997, ♂, Sarıkayalar, 1750 m, 21.VIII.1997, 2♂ ♂, Turnali, 1750 m, 6.VIII.1990, 2♀ ♀, Tortum, 1600 m, 27.VII.1998, ♂, Aksu, 1750 m, 12.VIII.1998, ♀, 2♂ ♂, Pehlivanhı, 1200 m, 12.VII.1992, ♂, Uzungere, Balıklı, 1000 m, 29.VI.2003, ♀; **Gümüşhane:** 14.VIII.1996, ♀; **Iğdır:** Külliük, 900 m, 24.VIII.1997, ♂; **İçel:** Aydincık, 10 m, 27.VII.2005, 4♀ ♀, ♂, Silifke, 23.V.1992, ♂; **Kars:** Kağızman, 16.VI.1999, ♂, 22.VIII.1990, ♀, 24.VIII.1997, ♂, Sarıkamış, Akkurt, 1650 m, 25.VIII.1997, ♀, 2♂ ♂, Kalebaş, 1900 m, 25.VIII.1997, ♂, Karakurt, 25.VIII.1997, 2♂ ♂; **Konya:** Güneysinir, Gürağac, 1020 m, 23.VI.1999, ♀, 3.IX.2000, ♀; **Malatya:** Kale, 1100 m, 20.VII.1999, ♂; **Samsun:** Tar. Araş. Ens., 21.VIII.1992, ♂.

### *Philanthus variegatus* SPINOLA 1839

**M a t e r i a l   e x a m i n e d :** **Erzurum:** Horasan, Yukarı Horom, 2000 m, 13.VIII.1998, ♂, Tortum, Kaledibi, 1500 m, 19.VIII.1998, ♂; **Kars:** Sarıkamış, 1900 m, 17.VIII.1998, ♂.

### Subtribe *Philanthinina* MENKE 1967

#### *Philanthinus quattuordecimpunctatus* (F. MORAWITZ 1888)

**M a t e r i a l   e x a m i n e d :** **Erzurum:** Tortum, 1600 m, 27.VII.1998, ♀.

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