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## **Contribution to the knowledge of Chrysididae fauna of Turkey. Part 2: Elampinae (Hymenoptera, Chrysididae)**

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**Abstract:** This investigation is based on material collected from different localities in Turkey between 1986 and 2005. In this study, from the subfamily Elampinae 61 species and subspecies in seven genera have been recorded in Turkey.

**Key words:** Hymenoptera, Chrysididae, Elampinae, Elampini, fauna, Turkey.

### **Introduction**

The first part of the Chrysididae fauna of Turkey covered the subfamilies Cleptinae (YILDIRIM & STRUMIA 2000). The second part includes the subfamily Elampinae, tribe Elampini. The Elampini both of which show three visible gastral segments in males and females, contain a mixture of parasitoid and cleptoparasitic forms which prey on the aculeate families Eumenidae, Sphecidae and Apidae.

The information related to the material and literature references were given in the first part. All taxa and 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 F. Strumia.

### **Results**

In this study, 61 species and subspecies of seven genera belong to Elampinae subfamily of Chrysididae is reported in Turkey.

#### **Tribe Elampini**

#### **Genus *Elampus* SPINOLA 1806**

#### ***Elampus pyrosomus* FÖRSTER 1853**

**Material examined:** Erzurum: Abdurrahmangazi, 2400 m, 23.VIII.1993, ♀, Palandöken, 10.VIII.1993, ♂, University field, 1850 m, 10.VIII.1993, ♂.

***Elampus sanzii* GOGORZA 1887**

Material examined: Erzincan: 1250 m, 5.VIII.1994, ♂; Erzurum: University field, 1850 m, 8.VII.1997, ♂, 14.VII.1993, ♂, 8.VII.1997, ♂, 24.VIII.1992, ♂.

***Elampus scutellaris m. coeruleus* DAHLBOM 1854**

Material examined: Diyarbakır: Silvan, 900 m, 17.IV.1995, ♂.

***Elampus scutellaris scutellaris* (PANZER 1798) (=panzeri FABRICIUS 1804)**

Material examined: Erzincan: 1250 m, 5.VIII.1994, ♀; Erzurum: University field, 1850 m, 8.VII.1997, ♂, 14.VII.1993, ♂, 24.VIII.1992, ♂.

***Elampus spinus* LEPELETIER 1806**

Material examined: Bilecik: 600 m, 15.VII.1995, ♀; Diyarbakır: Silvan, 600 m, 17.IV.1995, ♀; Erzincan: 1250 m, 6.VII.1995, ♂, 3.VIII.1994, ♀; Erzurum: University field, 1850 m, 6.VII.1992, 2♂♂, 20.VII.1993, ♀, Ilıca, Sorkunlu, 1850 m, 30.VII.1998, ♂, Oltu, Sütkans, 1500 m, 25.VI.1996, ♀, ♂, Tortum, Pehlivanlı, 1200 m, 12.VII.1992, ♀; Kars: Digor, 21.VI.1995, ♂, Kağızman, 1100 m, 16.VI.1999, ♂.

**Genus *Hedychridium* ABEILLE 1878*****Hedychridium aheneum* (DAHLBOM 1854)**

Material examined: Antalya: Belkız, 3.VIII.1994, ♀.

***Hedychridium aheneum m. feritatum* LINSENMAIER 1959**

Material examined: Erzincan: 1250 m, 14.VI.1994, ♂; Erzurum: University field, 1850 m, 29.VII.1992, ♀, Ilıca, Athikonak, 1950 m, 8.VII.1997, ♀.

***Hedychridium ardens* (COQUEBERT 1801)**

Material examined: Erzurum: Dutçu, 2200 m, 18.VII.1999, ♀, Konaklı, 2000 m, 22.VII.2000, ♂, Palandöken, 2400 m, 13.VII.1992, ♀, University field, 1850 m, 29.VII.1992, ♀, İspir, Madenköprübaşı, 1000 m, 18.VI.1994, ♀, 7.VII.1996, ♀, Olur, Süngübayır, 1850 m, 23.VII.1992, ♀.

***Hedychridium buyssoni* ABEILLE 1887**

Material examined: Erzurum: Güzelyayla, 2200 m, 29.VIII.1992, ♀.

***Hedychridium bytinskii* LINSENMAIER 1959**

Material examined: Bingöl: Hamamlar, 1300 m, 5.VI.2003, ♀.

***Hedychridium caucasicum caucasicum* TRAUTMANN 1926**

Material examined: Artvin: Arhavi, 10.IX.1992, ♂; Erzincan: 1250 m, 23.VI.1994, 5.VIII.1995, ♂; Erzurum: Güzelova, 2200 m, 12.VIII.1992, ♂, Güzelyayla, 2200 m, 12.VIII.1992, ♂, Kırkgözeler, 1900 m, 12.VIII.1993, ♂, Palandöken, 2400 m, 10.VIII.1993, ♂, University field, 1850 m, 14.VII.1993, 2♂♂, 29.VII.1992, ♂, 5.VIII.1996, ♂, 10.VIII.1992, ♂, Ilıca, Athikonak,

1950 m, 8.VII.1997, ♂, Rizekent, 2000 m, 30.VII.1998, ♂, Olur, Güngördü, 1900 m, 21.VIII.1992, ♂, Süngübayır, 1850 m, 1.IX.1993, ♂, Şenkaya, Akşar, 1300 m, 24.VII.1993, 2♂♂, 26.VII.1994, ♀, 1.VIII.1993, 2♂♂, Turnalı, 1750 m, 10.VIII.1997, ♂; Iğdır: Yaya, 24.VIII.1997, ♂; Tokat: 900 m, 19.VIII.1992, ♂.

***Hedychridium caucasicum irregulare* LINSSENMAIER 1959**

Material examined: Bilecik: 600 m, 15.VII.1995, 4♂♂; Erzurum: İspir, Madenköprübaşı, 1100 m, 18.VI.1994, ♂.

***Hedychridium femoratum* (DAHLBOM 1854)**

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

***Hedychridium femoratum m. miricolor* MORICE 1909**

Material examined: Bilecik: 600 m, 15.VII.1995, ♀; Erzincan: 1250 m, 11.VII.1994, ♀, 23.VI.1994; Erzurum: Dereboğazi, 2070 m, 11.VII.1994, ♂, University field, 1850 m, 20.VII.1993, ♀, İlica, Atlkonak, 1950 m, 12.VII.1997, ♀, Pasinler, Çalıyazı, 2400 m, 10.VII.1997, ♀.

***Hedychridium flavipes* EVERSMAAN 1857**

Material examined: Elazığ: Halköy, 10.VIII.1997, ♀; Erzincan: 1250 m, 18.VII.1997, ♂; Erzurum: Palandöken, 2400 m, 13.VII.1994, ♀, Olur, Sarıbaşak, 1750 m, 24.VIII.1992, ♀, Pazaryolu, 1100 m, 27.VIII.1992, ♂, Şenkaya, Turnalı, 1750 m, 10.VIII.1997, ♀.

***Hedychridium lampadum limassolense* LINSSENMAIER 1959**

Material examined: Artvin: Ardanuç, Ferhatlı, 900 m, 7.VII.1994, ♀; Bayburt: Demirözü, 20.VIII.1991, ♀; Bilecik: 600 m, 15.VIII.1995, ♀; Erzincan: 1250 m, 6.VII.1994, 6♀♀, 11.VII.1994, 4♀♀, 18.VII.1997, 8♀♀; Üzümlü, 1300 m, 16.VI.1994, ♀, Bayırbağ, 1350 m, 10.VIII.1992, ♂; Erzurum: Dutçu, 2000 m, 18.VIII.1993, 2♀♀, Güzelova, 2200 m, 12.VIII.1992, 4♀♀, Palandöken, 2400 m, 19.VIII.1993, 3♀♀, University field, 1850 m, 19.VII.1993, ♀, Aşkale, 1950 m, 15.VII.1992, ♀, 16.VII.1999, ♀, İlica, Rizekent, 2000 m, 30.VII.1998, ♀, Sorkumlu, 30.VII.1998, ♀, İspir, Madenköprübaşı, 1000 m, 7.VII.1996, ♀, 8.VIII.1992, ♀, Oltu, Kurupınar, 1300 m, 30.VIII.1992, 2♀♀, Olur, 1100 m, 22.VII.1992, ♀, Süngübayır, 1850 m, 23.VII.1992, ♀, 20.VIII.1992, ♀, 24.VIII.1992, 2♀♀, 1.IX.1992, ♀, Güngöründü, 2000 m, 21.VIII.1992, ♀, Pasinler, 1650 m, 11.VIII.1992, ♀, 11.VIII.1992, ♀, 24.VIII.1992, ♀, Büyükdere, 1940 m, 10.VIII.1994, ♀, 11.VIII.1992, 3♀♀, 17.VIII.1996, 2♀♀, Pazaryolu, 1150 m, 3.VII.1997, ♀, 9.VII.1997, ♀, 27.VIII.1992, ♀, Şenkaya, Akşar, 1300 m, 24.VII.1993, ♀, 26.VII.1994, 2♀♀, 1.VIII.1993, ♀, Turnalı, 1750 m, 28.VII.1993, ♀, 29.VII.1994, ♀; Kars: Digor, Bostankale, 1770 m, 17.VII.2005, 3♀♀, Sarıkamış, Karakurt, 1600 m, 23.VI.2005, ♀; Samsun: Gürgendağ, 22.VIII.1992, ♀; Tokat: 1500 m, 19.VIII.1992, ♀.

***Hedychridium maculiventre* LINSSENMAIER 1959**

Material examined: Erzurum: İspir, Madenköprübaşı, 1100 m, 28.VIII.1992, ♂, Oltu, Anzavderesi, 5.VII.1995, ♀.

***Hedychridium moricei* BUYSSON 1904**

Material examined: Erzincan: 1250 m, 23.VI.1994, ♀; Konya: Sille, 1350 m, 10.VIII.1999, ♀.

***Hedychridium palestinense sculpturatissimum* LINSSENMAIER 1959**

Material examined: Erzincan: 1250 m, 18.VII.1997, ♀; Erzurum: Şenkaya, Akşar, 1300 m, 1.VIII.1993, ♂.

***Hedychridium roseum* (ROSSI 1790)**

Material examined: Erzincan: 1250 m, 6.VII.1995, 3 ♀♀, 17.VII.1994, ♀; Erzurum: Dereboğazi, 1900 m, 11.VIII.1994, ♀, University field, 1850 m, 4.VIII.1998, ♀, Aşkale, 1950 m, 16.VII.1999, ♀, Ilıca, Rizekent, 2000 m, 30.VII.1998, 2 ♀♀, İspir, Madenköprübaşı, 1000 m, 18.VII.1994, ♀, Oltu, Başaklı, 1750 m, 30.VIII.1992, ♀, Olur, Süngübayır, 1850 m, 20.VIII.1994, ♀, Pasinler, 1650 m, 11.VIII.1992, ♀, 13.VIII.1992, ♀, Şenkaya, Akşar, 1300 m, 26.VII.1994, ♀, Penek, 1200 m, 9.VII.1992, ♀, Turnalı, 1750 m, 28.VII.1993, ♀; Konya: Güneysınır, Gurağaç, 8.VII.2000, ♂; Tokat: 900 m, 19.VIII.1992, 2 ♀♀.

***Hedychridium sculpturatum* (ABEILLE 1877)**

Material examined: Erzurum: 1900 m, 27.VI.2003, ♂, Oltu, Sütkans, 1500 m, 25.VI.1996, ♂.

**Genus *Hedychrum* LATREILLE 1802*****Hedychrum aureicolle* MOCSARY 1889**

Material examined: Artvin: Yusufeli, Altıparmak, 1100 m, 5.VI.1994, ♀, Sarıgöl, 900 m, 15.VII.1994, ♂; Bayburt: Kopdağı, 2200 m, 9.VIII.1994, ♀, ♂, 13.VIII.1997, ♀; Erzincan: 1250 m, 23.VI.1994, ♀, 7.VII.1993, 2 ♀♀, Üzümlü, 1300 m, 8.VII.1993, ♂; Erzurum: Dutçu, 2200 m, 18.VII.1999, ♂, Güzelova, 2200 m, 12.VIII.1992, ♀, Güzelyayla, 2300 m, 29.VIII.1992, ♂, Konaklı, 2000 m, 22.VII.2000, ♀, University field, 1850 m, 15.VII.1997, ♀, 8.VIII.1992, ♀, 8.VIII.1993, ♀, 10.VIII.1992, 2 ♀♀, 11.VIII.1993, ♀, 15.VIII.1997, ♀, Horasan, Ardi, 1900 m, 15.VIII.1993, ♀, İspir, Madenköprübaşı, 1100 m, 18.VI.1994, ♀, Oltu, Çamlıbel, 1700 m, 14.VII.1996, ♀, ♂, Olur, Güngöründü, 1900 m, 21.VIII.1992, ♀, Süngübayır, 1850 m, 20.VII.1994, ♀, Pasinler, 1650 m, 4.VII.1993, ♂, Büyükdere, 1950 m, 10.VII.1994, ♀, 10.VIII.1994, 2 ♀♀, Çalıyazı, 2400 m, 27.VIII.1996, ♀, Şenkaya, Akşar, 1300 m, 14.VII.1997, ♂, Penek, 1200 m, 9.VII.1992, ♀.

***Hedychrum gerstaeckeri* CHEVRIER 1869**

Material examined: Ankara: Haymana, 29.VII.1997, ♀; Artvin: Arhavi, 10.IX.1992, ♀, ♂, Yusufeli, Demirkent, 450 m, 6.VII.1994, ♂; Erzincan: Üzümlü, 1300 m, 8.VII.1993, ♀; Erzurum: Güzelyayla, 2200 m, 29.VIII.1992, ♀, Palandöken, 2400 m, 28.VII.1992, ♂, 10.VIII.1993, ♂, University field, 1850 m, 8.VI.1992, ♀, 20.VII.1993, ♀, 29.VII.1993, 2 ♀♀, 8.VIII.1993, ♀, Çat, 2000 m, 11.VII.1994, ♀, Oltu, Başaklı, 1700 m, 18.VII.1992, Çamlıbel, 1250 m, 2.VII.1997, ♂, ♀, Olur, Çoşkunlar, 1300 m, 12.VI.1997, ♀, Oğuzkent, 2050 m, 23.VIII.1992, ♀, Süngübayır, 1.IX.1993, ♂, Pasinler, 1650 m, 8.VIII.1997, ♀, 11.VIII.1997, ♀, Şenkaya, Gezenek, 1600 m, 14.VIII.1998, ♂, Turnalı, 1750 m, 14.VII.1996, ♂, 28.VII.1993, ♀, 10.VIII.1997, ♀, Tortum, Arılı, 1700 m, 24.VIII.1993, ♀; Kars: Sarıkamış, Karakurt, 1600 m, 25.VIII.1997, ♂.

***Hedychrum longicolle* ABEILLE 1877**

Material examined: Erzurum: University field, 1850 m, 5.VIII.1996, ♂.

***Hedychrum luculentum m. bytinskii* LINSENMAIER 1959**

Material examined: Artvin: Yusufeli, Sargöl, 900 m, 5.VII.1994, ♀; Bayburt: Kopdağı, 2200 m, 9.VIII.1994, ♀; Erzurum: Olur, Süngübayır, 1900 m, 2.VII.1998, ♀; Kars: Sarıkamış, Karakurt, 1600 m, 23.VI.2005, ♀.

***Hedychrum luculentum luculentum* FÖRSTER 1853**

Material examined: Artvin: Yusufeli, Altıparmak, 1100 m, 5.VII.1994, ♀, Demirkent, 450 m, 6.VII.1994, 2♀♀, Zeytinlik, 450 m, 6.VII.1994, ♀; Bayburt: Kopdağı, 2200 m, 9.VIII.1994, 2♀♀; Erzurum: Güzelova, 2200 m, 29.VIII.1992, ♀, Kargapazarı Mts., 2400 m, 14.VI.1997, ♀, University field, 1850 m, 12.VIII.1993, ♀, 15.VIII.1997, ♀, 16.VIII.1992, ♀, Şenkaya, Turnalı, 1750 m, 25.VII.1997, ♀, Tortum, Aşağı Meydanlar, 1750 m, 24.VIII.1993, ♀.

***Hedychrum niemelai* LINSENMAIER 1959**

Material examined: Artvin: Yusufeli, Demirkent, 450 m, 6.VII.1994; Erzurum: University field, 1850 m, 8.VIII.1997, ♂.

***Hedychrum nobile* (SCOPOLI 1763)**

Material examined: Artvin: Arhavi, 10.IX.1992, ♂, Yusufeli, Demirkent, 450 m, 6.VII.1994, 2♂♂, Sargöl, 5.VII.1994, ♂; Balıkesir: Ayvalık, 10.VII.1996, ♂; Bayburt: Kopdağı, 2200 m, 23.VIII.1997, ♂; Bilecik: 600 m, 15.VII.1995, 3♂♂; Erzurum: Güzelova, 2200 m, 12.VIII.1992, ♂, University field, 1850 m, 6.VIII.1992, ♂, 15.VIII.1997, ♂, Ilıca, Rizekent, 1900 m, 10.VIII.1999, ♂, Şenkaya, Turnalı, 1750 m, 28.VII.1993, ♂.

***Hedychrum rutilans m. veterinum* MOCSARRY 1914**

Material examined: Erzurum: Güzelova, 2000 m, 12.VIII.1992, ♂, University field, 1850 m, 5.VIII.1996, ♂, 8.VIII.1995, ♀, 10.VIII.1992, ♂, 10.VIII.1995, 2♀♀, 15.VIII.1995, ♀, 15.VIII.1997, 2♀♀, ♂, Ilıca, Sorkumlu, 2000 m, 10.VIII.1999, ♀, Pasinler, Büyükdere, 1940 m, 10.VIII.1994, ♂, Pazaryolu, 1200 m, 15.VIII.2000, ♂; Kars: Sarıkamış, Akkurt, 1050 m, 25.VIII.1997, ♂; Konya: Güneysınır, Gurağaç, 3.IX.2000, ♂.

**Genus *Holopyga* DAHLBOM 1845*****Holopyga amoenula amoenula* DAHLBOM 1845**

Material examined: Antalya: Belkız, 3.VIII.1994, ♂; Artvin: Ardanuç, Ferhatlı, 650 m, 7.VII.1994, ♀; Erzincan: 1250 m, 14.VI.1994, ♂; Erzurum: Güzelova, 2200 m, 12.VIII.1992, ♀, Palandöken, 2400 m, 23.VII.1997, ♀, 10.VIII.1993, ♂, University field, 1850 m, 3.VII.1992, ♀, 8.VI.1995, ♀, 19.VII.1993, ♀, 9.VIII.1993, ♂, 10.VIII.1992, ♂, Aşkale, Pırnakapan, 1700 m, 9.VIII.1994, ♂, Ilıca, Rizekent, 2200 m 30.VII.1998, ♀, Sorkunlu, 1850 m, 30.VII.1998, ♀, Oltu, Başaklı, 1700 m, 30.VIII.1992, ♀, Olur, 1250 m, 22.VI.1992, ♀, Güngöründü, 1900 m, 21.VII.1992, ♀, Süngübayır, 1850 m, 20.VIII.1992, ♀, Pasinler, 1650 m, 13.VIII.1992, ♀, Şenkaya, Gezenek, 1600 m, 14.VIII.1994, 5♀♀, Turnalı, 1750 m, 28.VII.1993, ♀, ♂, 10.VIII.1997, ♂, Tortum, Arılı, 1700 m, 24.VIII.1993, ♀, Şenyurt, 1600 m, 12.VIII.1993, ♀; Muş: 26.VIII.1996, ♂; Tokat: 900 m, 19.VIII.1992, ♀, ♂.

***Holopyga amoenula occidenta* LINSENMAIER 1959**

Material examined: Erzincan: Üzümlü, Bayırbağ, 1350 m, 10.VIII.1992, ♂; Erzurum: Güzelova, 2200 m, 12.VIII.1992, 2♂♂, Palandöken, 2400 m, 13.VII.1993, ♂, 10.VIII.1993, ♂,

University field, 1850 m, 1.VII.1992, ♂, 23.VII.1992, ♂, 29.VII.1992, ♂, Ilıca, Sorkumlu, 1850 m, 30.VII.1996, ♂, İspir, 1200 m, 17.VII.1992, ♂, Oltu, Çamlıbel, 1750 m, 2.VII.1997, ♂, Pasinler, 1650 m, 13.VII.1996, ♂, Şenkaya, Turnalı, 1750 m, 10.VIII.1997, ♂.

### *Holopyga amoenula oriensa* LINSSENMAIER 1959

Material examined: Erzurum: Kırkgözeler, 1900 m, 12.VIII.1992, ♂, Konaklı, 2000 m, 22.VII.2000, ♂, University field, 1850 m, 29.VII.1992, ♂.

### *Holopyga bifigurata* LINSSENMAIER 1968

Material examined: Erzincan: 1250 m, 7.VII.1993, ♂, 11.VII.1994, ♂, 18.VII.1997, ♂; Erzurum: 1850 m, 25.VIII.1992, ♂, Kırkgözeler, 1900 m, 12.VII.1992, ♂, Köşk, 2000 m, 20.VI.1996, ♀, Palandöken, 2400 m, 21.VI.1994, ♂, 23.VII.1997, ♂, University field, 1850 m, 3.VII.1992, ♂, 6.VII.1992, ♂, 8.VII.1997, 2♂♂, 12.VII.1993, ♂, 14.VII.1993, 2♂♂, 19.VII.1993, ♂, 23.VII.1992, 2♂♂, 29.VII.1992, 2♂♂, 4.VIII.1998, ♂, 6.VIII.1992, ♂, 8.VIII.1993, ♂, 10.VIII.1992, ♂, 15.VIII.1992, ♂, 28.VIII.1992, ♂, Aşkale, 1750 m, 9.VIII.1994, 2♂♂, Çat, Taşağıl, 2200 m, 1.VIII.1994, ♂, Ilıca, Rizekent, 2200 m, 30.VII.1998, ♂, Oltu, Çamlıbel, 1750 m, 2.VIII.1997, ♂, 14.VII.1996, ♂, Olur, 2050 m, 23.VIII.1992, ♂, Pasinler, 1650 m, 11.VII.1992, ♂, Çalıyazi, 2200 m, 27.VIII.1996, ♂, Şenkaya, Akşar, 1300 m, 26.VII.1994, 2♂♂, 1.VIII.1993, ♂, Gezenek, 1600 m, 14.VIII.1994, 8♂♂, Timurkışla, 1400 m, 14.VIII.1998, ♂, Turnalı, 1750 m, 20.VI.1997, ♂, 28.VII.1993, ♀, ♂, Tortum, Arılı, 1700 m, 24.VIII.1993, ♂, Aşağı Meydanlar, 1750 m, 7.VIII.1996, ♂, Kireçli, 2000 m, 25.VI.1996, ♂; Kars: Sarıkamış, Yeniköy, 1950 m, 17.VIII.1998, ♂; Konya: Sille, 1350 m, 10.VIII.1999, ♂; Osmaniye: Nurdağı, 2.V.1992, ♂; Samsun: Gürgendağı, 22.VIII.1992, ♂.

### *Holopyga chrysonota m. appliata* LINSSENMAIER 1959

Material examined: Erzincan: 1250 m, 18.VII.1997, ♂, Bahçeli, 1200 m, 6.VII.1995, ♂; Erzurum: Dutçu, 1950 m, 20.VI.1994, ♀, 28.VII.1993, ♀, Güzelova, 2200 m, 12.VIII.1992, 2♀♀, Konaklı, 2000 m, 22.VII.2000, 2♀♀, ♂, Palandöken, 2400 m, 13.VII.1993, ♀, 23.VII.1996, ♀, 28.VII.1996, ♀, University field, 1850 m, 21.VI.1995, 2♂♂, 8.VII.1997, ♀, 12.VII.1993, 2♂♂, 14.VII.1993, 5♀♀, ♂, 19.VII.1993, ♂, 29.VII.1992, 2♀♀, 4.VIII.1998, ♀, 8.VIII.1995, ♀, 10.VIII.1993, ♂, 15.VIII.1993, ♀, 15.VIII.1997, ♀, 21.VIII.1996, ♀, Himis, Söylemez, 1750 m, 28.VI.2005, 2♀♀, İspir, 1100 m, 17.VII.1993, ♂, Pasinler, 1650 m, 4.VIII.1993, ♀, Tortum, Pehlivanlı, 1400 m, 12.VII.1992, ♀, ♂, Uzundere, 1000 m, 12.VIII.1993, ♀; Kars: Sarıkamış, Karakurt, 1600 m, 25.VIII.1997, ♀, 23.VI.2005, ♀, Yeniköy, 1950 m, 17.VIII.1998, ♂.

### *Holopyga cypruscula cypruscula* LINSSENMAIER 1959

Material examined: Erzurum: Güzelova, 1900 m, 12.VIII.1992, ♂, Olur, Oğuzkent, 23.VIII.1992, ♂.

### *Holopyga cypruscula m. detrita* LINSSENMAIER 1959

Material examined: Erzurum: Dutçu, 1900 m, 28.VIII.1993, 2♂♂, Palandöken, 2400 m, 13.VII.1994, ♂, 28.VII.1992, ♂, 19.VIII.1993, ♂, University field, 1850 m, 29.VI.1992, 3♂♂, 1.VII.1992, ♂, 2.VII.1992, ♂, 3.VII.1992, 2♂♂, 6.VII.1992, ♂, 12.VII.1993, ♂, 20.VII.1993, ♂, 29.VII.1992, ♂, 29.VII.1993, ♂, 8.VIII.1993, 3♂♂, 10.VIII.1992, 6♂♂, Aşkale, 2080 m, 9.VIII.1994, ♂, Pasinler, 1650 m, 17.VII.1996, ♂, 3.VIII.1992, ♂, Büyükdere, 1940 m, 10.VIII.1994, ♂, Pazaryolu, 1150 m, 27.VIII.1992, ♂, Şenkaya, Akşar, 1300 m, 26.VII.1994, 3♂♂, Tortum, Pehlivanlı, 1400 m, 12.VII.1992, ♂.

***Holopyga fervida* DAHLBOM 1854**

Material examined: Bilecik: 600 m, 15.VII.1995, ♀; Denizli: Pamukkale, 5.V.1994, ♀; Erzurum: University field, 1850 m, 23.VII.1992, ♂, 29.VII.1992, ♂, Himis, 1750 m, 19.VII.2000, ♀, Olur, 1300 m, 21.VIII.1992, ♀, ♂, Pasinler, 1650 m, 8.VIII.1992, ♀; İçel: Erdemli, 23.V.1992, ♂; Kars: Digor, Bostankale, 1770 m, 17.VII.2005, ♂; Tokat: 900 m, 19.VIII.1992, 3 ♂.

***Holopyga generosa generosa* (FÖRSTER 1853)**

Material examined: Erzincan: 1250 m, 6.VII.1994, 3 ♀ ♀, ♂, 14.VII.1994, ♀, 18.VII.1997, ♂; Erzurum: 1850 m, 15.VII.1986, ♂, Dereboğazi, 2070 m, 11.VIII.1994, ♂, Dutçu, 2000 m, 25.V.1992, ♂, 26.VI.1994, ♂, 30.VI.1993, 2 ♂ ♂, 28.VII.1993, 2 ♂ ♂, 11.VIII.1992, ♂, Güzelova, 2200 m, 12.VIII.1992, ♂, Kirkgözeler, 1900 m, 12.VII.1992, ♂, Palandöken, 2400 m, 21.VI.1994, ♂, 22.VII.1992, ♂, 23.VII.1997, 2 ♂ ♂, 28.VII.1992, ♂, 19.VIII.1993, ♂, University field, 1850 m, 2.VI.1994, ♂, 20.VI.1994, 2 ♂ ♂, 2.VII.1992, ♂, 3.VI.1992, ♂, 6.VII.1992, ♂, 7.VII.1996, ♂, 7.VII.1997, ♂, 8.VII.1996, 2 ♂ ♂, 12.VII.1993, ♂, 15.VII.1997, ♂, 20.VII.1993, 2 ♂ ♂, 23.VII.1993, 2 ♂ ♂, 29.VII.1992, 14 ♂ ♂, 6.VIII.1992, ♂, 8.VIII.1993, 4 ♂ ♂, 10.VIII.1992, 7 ♂ ♂, 11.VIII.1993, 4 ♂ ♂, 15.VIII.1993, 8 ♂ ♂, 29.VIII.1992, ♀, ♂, Köprüköy, Yağan, 1900 m, 28.VI.2005, ♂, 10.VII.1994, ♂, Oltu, Çamlıbel, 1750 m, 2.VIII.1997, ♂, Olur, Oğuzkent, 23.VIII.1992, ♂, Pasinler, 1650 m, 17.VII.1996, ♂, 4.VIII.1993, ♂, Çalıyazı, 2400 m, 10.VII.1997, ♂, Pelitli, 2000 m, 14.VII.1999, ♂, Pazaryolu, 1150 m, 27.VIII.1992, 4 ♂ ♂, Şenkaya, Gezenek, 1600 m, 14.VIII.1994, ♂, Tortum, 1650 m, 10.VI.1997, ♂; Kars: Digor, Bostankale, 1770 m, 17.VII.2005, ♀, Kalebaş, 1900 m, 22.VIII.1997, ♂; Tokat: 1500 m, 19.VIII.1992, ♂.

***Holopyga generosa m. crassepunctata* SEMENOV 1954**

Material examined: Erzurum: Karayazı, 1900 m, 25.VII.1997, ♂.

***Holopyga ignicollis* DAHLBOM 1854**

Material examined: Ankara: Şereflikoçhisar, 24.VIII.1996, ♂; Artvin: Yusufeli, Kınalçam, 900 m, 4.VII.1994, ♂; Balıkesir: Ayvalık, 8.VIII.1998, ♂; Bayburt: Kopdağı, 2200 m, 9.VII.1994, ♂; Bilecik: 600 m, 15.VI.1995, ♂; Erzincan: 1250 m, 14.VI.1994, ♀, ♂, 18.VII.1997, ♀, 5.VIII.1995, 2 ♂ ♂, Üzümlü, 1300 m, 8.VII.1993, ♂, Bayırbağ, 1350 m, 10.VIII.1992, ♂; Erzurum: 2.IX.1988, ♂, Dereboğazi, 2070 m, 11.VIII.1994, ♂, Dumlu, 28.VII.1999, ♂, Dutçu, 2000 m, 30.VI.1993, 2 ♀ ♀, 28.VII.1993, ♂, Güzelova, 2200 m, 12.VIII.1992, 7 ♀ ♀, Kirkgözeler, 1900 m, 12.VII.1992, 3 ♀ ♀, Köşk, 1950 m, 20.VI.1996, ♂, 14.VII.1992, ♂, Palandöken, 2400 m, 21.VI.1994, 2 ♀ ♀, ♂, 7.VII.1996, ♀, 13.VII.1993, 2 ♀ ♀, 23.VII.1996, 3 ♀ ♀, 2 ♂ ♂, 2.VIII.1994, ♀, ♂, 19.VIII.1993, ♀, University field, 1850 m, 10.VI.1994, ♂, 1.VII.1992, 2 ♂ ♂, 1.VII.1995, ♀, 2.VII.1992, ♂, 3.VII.1992, 2 ♂ ♂, 6.VII.1992, ♂, 8.VII.1997, 3 ♀ ♀, ♂, 12.VII.1993, 2 ♀ ♀, ♂, 14.VII.1993, ♀, ♂, 15.VII.1997, 2 ♂ ♂, 19.VII.1993, 3 ♀ ♀, 20.VII.1993, 3 ♂ ♂, 29.VII.1992, 6 ♀ ♀, 2 ♂ ♂, 4.VIII.1996, ♀, 4.VIII.1998, ♀, 3 ♂ ♂, 5.VIII.1996, 3 ♀ ♀, 8.VIII.1993, ♀, 3 ♂ ♂, 8.VIII.1999, ♂, 10.VIII.1992, 2 ♂ ♂, 10.VIII.1993, 2 ♂ ♂, 11.VIII.1993, 2 ♀ ♀, 13.VIII.1992, ♀, ♂, 15.VIII.1993, ♀, ♂, 17.VIII.1992, ♂, 24.VIII.1992, ♀, 2 ♂ ♂, 28.VIII.1992, ♀, 3 ♂ ♂, 15.IX.1993, ♀, 17.IX.1993, ♀, Aşkale, 1800 m, 16.VII.1999, ♂, Ilıca, Atlıkonak, 1900 m, 11.VI.2000, ♂, 8.VII.1997, ♀, Rizekent, 2200 m, 30.VII.1998, ♂, İspir, Madenköprübaşı, 1100 m, 17.VII.1992, ♂, Oltu, Başaklı, 1700 m, 25.VI.1997, ♂, 28.VII.1992, ♂, Pasinler, 1650 m, 11.VIII.1992, ♂, 13.VIII.1992, ♀, ♂, Çalıyazı, 2400 m, 10.VII.1997, 2 ♀ ♀, Pelitli, 2000 m, 14.VII.1998, ♀, 27.VII.1996, ♂, Pazaryolu, 1150 m, 27.VIII.1992, 2 ♀ ♀, Şenkaya, Akşar, 1300 m, 26.VII.1994, 2 ♀ ♀, ♂, Timurkişla, 1400 m, 14.VII.1998, 2 ♂ ♂, Turnalı, 1750 m, 28.VII.1993, ♂, 10.VIII.1997, 2 ♀ ♀, Tortum, Aşağı Meydanlar, 1750 m, 7.VIII.1996, ♀, 24.VIII.1994, ♀; Kars: Sarıkamış, Karakurt, 1600 m, 25.VIII.1997, 5 ♀ ♀, Yeniköy, 1900 m, 17.VIII.1994, 3 ♀ ♀; Tokat: 1500 m, 19.VIII.1992, ♀, 2 ♂.

***Holopyga inflammata* (FÖRSTER 1853)**

**Material examined:** Erzincan: 1250 m, 18.VII.1997, ♀; Erzurum: Güzelova, 2200 m, 12.VIII.1992, 5♀♀, Palandöken, 2400 m, 23.VII.1997, ♀, 28.VIII.1992, ♀, Şenyurt, 1900 m, 12.VII.1993, ♀, University field, 1850 m, 20.VI.1994, ♀, 6.VII.1992, ♀, 8.VII.1997, ♀, ♂, 20.VII.1993, ♀, 23.VII.1992, ♀, 29.VII.1992, ♀, 10.VIII.1992, ♀, 17.VIII.1992, ♀, 1.IX.1993, ♀, 17.IX.1993, ♀, Aşkale, Pırnakapan, 1650 m, 17.VII.2005, ♀, Ilıca, Atlıkonak, 1900 m, 8.VII.1997, 2♀♀, 12.VII.1997, ♀, Rizekent, 2000 m, 30.VII.1998, ♀, Narman, 1650 m, 27.VI.1997, ♀, Öltü, Karakol, 1.VII.2000, ♂, Sütkans, 1650 m, 18.VI.1996, ♀, 25.VI.1996, ♀, Olur, Süngübayır, 1850 m, 10.VII.1994, ♀, 23.VII.1992, ♀, Pasinler, 1650 m, 17.VII.1996, 2♀♀, Çalyazı, 2400 m, 10.VII.1997, 2♀♀, 11.VIII.1992, ♀, Şenkaya, Akşar, 1300 m, 1.VIII.1993, ♀, Soğanlı Mt. 2450 m, 13.VIII.1998, ♀, Turnalı, 1750 m, 25.VII.1996, ♀, 28.VII.1993, 2♀♀, ♂, Tortum, Alapınar, 19.VI.2003, ♀; Kars: Digor, Bostankale, 1770 m, 17.VII.2005, ♀, Sarıkamış, Karakurt, 1600 m, 25.VIII.1997, ♀; Tokat: 1500 m, 19.VIII.1992, ♀.

***Holopyga jurinei* CHEVRIER 1862**

**Material examined:** Erzincan: 1250 m, 18.VII.1997, ♀; Erzurum: Dutçu, 2000 m, 28.VII.1993, ♂, Güzelova, 2200 m, 12.VIII.1992, ♀, Köşk, 2000 m, 14.VII.1992, ♂, Palandöken, 2400 m, 2.VII.1994, ♀, 13.VII.1994, 4♂♂, 22.VII.1994, ♂, 23.VII.1996, ♀, ♂, University field, 1850 m, 14.VI.1993, 2♂♂, 20.VI.1996, ♀, 2.VII.1992, ♂, 3.VII.1992, ♂, 6.VII.1992, 2♂♂, 19.VII.1993, ♂, 23.VII.1993, ♂, 29.VII.1992, ♂, 8.VIII.1993, 3♂♂, 10.VIII.1992, ♀, 5♂♂, 16.VIII.1993, ♂, Ilıca, Atlıkonak, 1900 m, 29.VI.1999, ♀, Rizekent, 2000 m, 30.VII.1998, 3♂♂, Öltü, Sütkans, 1650 m, 2.VII.1998, ♀, Olur, Oğuzkent, 2050 m, 23.VIII.1992, ♂, Süngübayır, 20.VII.1994, ♀, Pasinler, 1650 m, 11.VIII.1992, ♂, 13.VIII.1992, ♂, Pazaryolu, 1150 m, 27.VIII.1992, ♀, 3♂♂, Tortum, Kireçli Mt., 2450 m, 25.VI.1996, ♂.

***Holopyga lucida* (LEPELETIER 1806)**

**Material examined:** Bilecik: 600 m, 15.VII.1995, 2♀♀; Bingöl: Hamamlar, 1300 m, 5.VI.2003, ♂; Erzincan: 1250 m, 6.VII.1995, 2♀♀, 10.IX.1996, ♀; Erzurum: 1850 m, 2.IX.1988, ♂, Dutçu, 2000 m, 18.VII.1999, ♀, ♂, Güzelova, 2200 m, 12.VIII.1992, 2♀♀, ♂, Güzelyayla, 2200 m, 29.VII.1992, 2♂♂, Köşk, 20.VI.1996, ♂, Palandöken, 2400 m, 21.VI.1994, ♀, University field, 1850 m, 20.VI.1996, ♀, ♂, 2.VII.1992, ♀, 6.VII.1992, ♀, 14.VII.1993, ♀, 19.VII.1993, ♀, 20.VII.1993, ♀, 29.VII.1992, 2♀♀, 5.VIII.1996, ♀, 8.VIII.1992, ♂, 10.VIII.1992, ♂, 11.VIII.1998, ♀, 15.VIII.1993, 2♀♀, ♂, 17.VIII.1992, ♂, 28.VIII.1992, ♂, Aşkale, 1950 m, 16.VII.1999, ♂, Ilıca, Atlıkonak, 1900 m, 29.VI.1999, 2♂♂, Öltü, Sütkans, 1650 m, 18.VI.1996, ♂, Pasinler, 1650 m, 15.VII.1987, ♀, 8.VIII.1992, ♂, Çalyazı, 2400 m, 10.VII.1997, ♂, Pazaryolu, 1150 m, 27.VIII.1992, 2♀♀, Şenkaya, Akşar, 1300 m, 26.VII.1994, ♀, Turnalı, 1750 m, 28.VII.1993, ♀; Kars: Digor, Kalebaş, 1950 m, 22.VIII.1997, ♀, ♂.

***Holopyga minima* LINSSENMAIER 1959**

**Material examined:** Erzincan: 5.VIII.1995, ♀; Erzurum: 1850 m, 29.VIII.1992, 2♀♀, Palandöken, 2400 m, 7.VII.1996, ♂, 13.VII.1993, 2♂♂, 28.VII.1992, ♂, University field, 1850 m, 8.VII.1997, 4♀♀, 29.VII.1992, ♂, 10.VIII.1993, ♀, 24.VIII.1992, ♀, Aşkale, Çomoğluhanı, 1700 m, 9.VIII.1994, ♀, Olur, Güngöründü, 1900 m, 21.VIII.1992, Pazaryolu, 1150 m, 27.VIII.1992, ♂.

***Holopyga mlkosiewitzi* (RADOSZKOWSKI 1876)**

**Material examined:** Erzincan: Üzümlü, 1300 m, 16.VI.1994, ♀.



***Holopyga punctatissima punctatissima* DAHLBOM 1854**

Material examined: Adana: Yumurtalık, 22.V.1992, ♂; Bilecik: 600 m, 15.VII.1995, 3♀♀; Erzincan: 1250 m, 14.VI.1994, ♀, 6.VII.1994, 2♀♀, 18.VII.1997, ♂; Erzurum: Palandöken, 2400 m, 1.VII.1997, 2♀♀, 13.VII.1994, 2♀♀, 23.VII.1996, 2♀♀, University field, 1850 m, 18.VIII.1995, ♀, 24.VIII.1992, ♀, Aşkale, 1850 m, 15.VII.1997, ♀, Ilica, Rizekent, 2000 m, 10.VIII.1999, ♀, İspir, 1100 m, 17.VII.1992, ♀, Oltu, Çamlıbel, 1750 m, 2.VII.1997, ♀, ♂, Olur, Süngübayır, 1850 m, 20.VII.1994, 2♀♀, 23.VII.1992, ♀, Pasinler, 1650 m, 11.VII.1996, 2♀♀, Şenkaya, Timurkişla, 1400 m, 14.VII.1998, ♀, Tortum, 1650 m, 12.VII.1993, ♀, Arlı, 1700 m, 24.VIII.1993, ♀, Aşağı Meydanlar, 1750 m, 7.VIII.1996, ♀, Uzundere, Dikyar, 1100 m, 31.VII.1993, ♀; Konya: Beyşehir, Gökçimen, 12.VII.1997, ♀, ♂.

***Holopyga punctatissima reducta* LINSENMAIER 1959**

Material examined: Erzincan: 1250 m, 6.VII.1994, ♀; Erzurum: Pasinler, 1650 m, 13.VIII.1992, ♀, Şenkaya, Turnalı, 1750 m, 25.VII.1996, ♀, 28.VII.1993, ♀.

***Holopyga speciosissima* BUYSSON 1893**

Material examined: Erzurum: University field, 1850 m, 12.VII.1993, ♂, 4.VII.1996, ♂.

**Genus *Omalus* PANZER 1801*****Omalus aeneus* (FABRICIUS 1787)**

Material examined: Ankara: Şereflikoçhisar, 24.VIII.1996, ♂; Artvin: Arhavi, 10.IX.1992, ♀; Erzincan: 1250 m, 18.VII.1997, ♂; Erzurum: Güngörmez, 2500 m, 28.VII.1998, ♂, University field, 1850 m, 29.VI.1992, ♀, ♂, 29.VII.1992, ♂, 5.VIII.1996, ♂, 10.VIII.1992, 2♂♂, 10.VIII.1992, ♂, 15.VIII.1993, 2♂♂, 28.VIII.1992, ♂, Aşkale, 1950 m, 15.VII.1997, ♂, 14.VII.1999, ♀, Pınakapan, 9.VIII.1994, ♂, Ilica, Atlıkonak, 29.VI.1999, ♂, Rizekent, 2000 m, 30.VII.1998, ♀, İspir, Madenköprübaşı, 1100 m, 18.VI.1994, ♀, 7.VIII.1994, ♂, Oltu, Anzavderesi, 5.VII.1995, ♀, Olur, Süngübayır, 1850 m, 20.VII.1994, 2♀♀, 1.IX.1993, ♀, Pasinler, 1650 m, 24.VIII.1992, ♂, Çalıyazı, 2400 m, 10.VII.1997, ♂, Pazaryolu, 1150 m, 30.VIII.1994, ♀, Şenkaya, Gaziler, Çakırbaba, Soğanlı Mt., 2450 m, 13.VIII.1998, Gezenek, 1600 m, 14.VIII.1998, ♂, Tortum, 1650 m, 24.VIII.1992, ♂, Aşağı Meydanlar, 1750 m, 7.VIII.1996, ♀, Uzundere, Dikyar, 1100 m, 4.IX.1994, 3♀♀; İğdır: 900 m, 18.VII.1997, ♀.

***Omalus biaccinctus* (BUYSSON 1893)**

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

***Omalus politus* BUYSSON 1887**

Material examined: Erzurum: Ilica, Atlıkonak, 1900 m, 29.VI.1996, ♀, Olur, Süngübayır, 1750 m, 1.IX.1993, ♀; Dişarbakır: Silvan, 900 m, 17.IV.1995, ♀, 2♂♂.

**Genus *Philoctetes* ABEILLE 1879*****Philoctetes bidentulus* LEPELETIER 1806**

Material examined: Erzurum: University field, 1850 m, 30.VI.1992, ♂, 20.X.1992, ♂, Şenkaya, Turnalı, 1750 m, 22.VI.2003, ♂, Tortum, Arıbağçe, 2400 m, 20.VII.2001, ♀, Kars: Sarıkamış, 17.VIII.1998, ♂.

***Philoctetes horvathi* MOCSARY, 1889**

Material examined: Erzurum: Pasinler, 1650 m, 13.VIII.1992, ♀.

***Philoctetes medanae* BUYSON 1890**

Material examined: Konya: Güneysınır, Güragaç, 8.VII.2000, ♀.

***Philoctetes sculpticollis* (ABEILLE 1878)**

Material examined: Bilecik: 600 m, 15.VII.1995, ♂.

**Genus *Pseudomalus* ASHMEAD 1902*****Pseudomalus auratus* (LINNAEUS 1758)**

Material examined: Antalya: Side, 2.V.1994, 2♀♀; Artvin: Ardanuç, Akarsu, 900 m, 7.VII.1994, ♀, Yusufeli, Sarıgöl, 900 m, 5.VII.1994, ♀; Bilecik: 15.VIII.1995, ♀; Bingöl: Hamamlar, 1250 m, 26.V.2003, ♀; Dişarbakır: Ergani, 27.VI.1994, ♀; Erzincan: 1250 m, 14.VI.1994, ♀, ♂, 11.VII.1994, ♀, Kemaliye, 3.V.1991, ♀; Erzurum: 13.VI.1998, ♂, 15.VII.1986, ♀, Dereboğazi, 2070 m, 11.VIII.1994, ♂, Dumlu, 1900 m, 21.VIII.1994, ♂, Dutçu, 2000 m, 11.VIII.1992, ♀, 18.VIII.1993, ♀, Güzelova, 2200 m, 12.VIII.1992, ♀, Güzelyayla, 29.VIII.1992, ♀, Konaklı, 2000 m, 22.VII.2000, 2♂♂, Köşk, 1950 m, 20.VI.1996, ♂, Palandöken, 2400 m, 6.VIII.1996, ♂, 10.VIII.1993, ♂, University field, 1850 m, 9.VI.1992, ♀, 29.VI.1992, 3♀♀, 3♂♂, 8.VII.1997, ♀, 23.VII.1992, ♀, 26.VII.1992, ♂, 29.VII.1992, ♀, 4.VIII.1996, ♀, ♂, 5.VIII.1996, ♀, 10.VIII.1992, 2♂♂, 15.VIII.1993, ♀, 17.VIII.1992, ♀, Aşkale, Pirmakapan, 1700 m, 9.VIII.1994, ♀, Çat, 2000 m, 11.VII.1994, ♀, Bozyazı, 1930 m, 11.VIII.1994, ♂, Himis, 22.8.1992, ♂, Söylemez, 1750 m, 28.VI.2005, ♀, Ilıca, Atlıkönak, 1900 m, 29.VI.1999, ♀, Rizekent, 2000 m, 30.VII.1998, 2♀♀, 10.VIII.1999, ♀, İspir, 1100 m, 17.VII.1992, ♂, Oltu, Gökçedere, 1400 m, 14.VIII.1998, ♀, Olur, Oğuzkent, 2050 m, 23.VII.1992, ♀, Süngübayır, 1850 m, 23.VII.1992, 2♀♀, 1.IX.1993, 2♀♀, ♂, Pasinler, 1650 m, 12.VI.1996, ♀, 8.VIII.1992, ♂, 11.VIII.1992, ♀, 13.VIII.1992, ♂, 24.VIII.1992, 2♀♀, Büyükdere, 1940 m, 10.VIII.1994, 2♀♀, ♂, Çalıyazı, 2400 m, 10.VII.1992, ♀, 10.VII.1997, 6♀♀, 4♂♂, 11.VII.1996, ♀, 14.VII.1996, ♀, ♂, Pelitli, 2000 m, 14.VII.1998, ♀, 27.VII.1996, ♂, Pazaryolu, 1150 m, 27.VIII.1992, ♀, Şenkaya, Turnalı, 1750 m, 20.VI.1997, ♂, 28.VII.1993, 2♀♀, 25.VIII.1996, ♂, Tortum, Arılı, 24.VIII.1993, ♀, Uzundere, 1100 m, 13.V.2000, ♀; Gümüşhane: Köse, 10.VII.1995, ♀, İğdır: Tuzluca, 850 m, 24.VIII.1997, ♀; İçel: Aydıncık, 10 m, 27.VII.2005, 3♀♀; Kars: Sarıkamış, 1900 m, 17.VIII.1998, ♀; Kars: Sarıkamış, Karakurt, Şeytangeçmez, 1550 m, 23.VI.2005, ♀; Konya: Güneysınır, Güragaç, 3.IX.2000, ♀, Sille, 1350 m, 10.VIII.1999, ♀; Malatya: Çıglık, 1150 m, 23.VII.2005, ♀, Kale, 1150 m, 23.VII.2005, ♀; Samsun: Karaköy, TİGEM, 22.VIII.1992, ♂; Tokat: 900 m, 19.VIII.1992, ♀, ♂; Trabzon: 31.VII.1996, ♀.

***Pseudomalus bidentulus* (LEPELETIER 1806)**

Material examined: Ankara: 30.VII.1997, ♀; Bilecik: 600 m, 15.VI.1994, 3♀♀; Erzincan: 1250 m, 11.VII.1994, 2♀♀; Erzurum: Dereboğazi, 2070 m, 11.VIII.1994, ♀, Dutçu, 2000 m, 11.VIII.1992, ♀, 18.VIII.1993, ♀, Güzelova, 2200 m, 12.VIII.1992, ♀, ♂, Hamam Deresi, 19.VIII.1992, ♀, Kargapazarı Mts. 2400 m, 11.VII.1997, ♀, Köşk, 1900 m, 20.VI.1996, ♀, Palandöken, 2400 m, 21.VI.1994, ♀, 1.VII.1996, ♀, ♂, 13.VII.1993, ♂, 14.VII.1992, ♂, 23.VII.1996, 2♀♀, 23.VII.1997, 2♀♀, 10.VIII.1993, ♀, 13.VIII.1996, ♀, University field, 1850 m, 20.VI.1996, ♀, 1.VII.1992, ♂, 2.VII.1992, 2♀♀, ♂, 3.VII.1992, ♂, 6.VII.1992, ♀, 2♂♂, 29.VI.1992, 4♀♀, 15♂♂, 5.VIII.1996, ♂, 8.VIII.1993, ♂, 15.VIII.1993, ♀, ♂, 24.VIII.1993, ♂, Aşkale, 1800 m, 7.VII.1992, ♂, 16.VII.1999, ♂, Ortabahçe, 9.VIII.1994, ♂, Çat, 2260 m, 11.VII.1994, ♀, 2♂♂, Bozyazı, 1930 m, 11.VIII.1994, ♂, Ilıca, Atlıkönak, 1900 m, 12.VII.1997, 2♀♀, Rizekent, 2000 m, 30.VII.1998, ♀, Oltu, Başaklı, 1750 m, 30.VIII.1992, ♂,

Çamlıbel, 1750 m, 2.VII.1997, ♀, 12.VIII.1998, ♂, Gökçedere, 1400 m, 14.VIII.1998, ♀, Sütkans, 1650 m, 25.VI.1996, ♀, Olur, Güngördü, 1900 m, 21.VIII.1992, ♂, Oğuzkent, 2050 m, 23.VII.1992, ♀, Süngübayır, 1850 m, 23.VII.1992, ♀, 20.VIII.1992, ♂, 1.IX.1993, ♀, Taşlıköy, 27.VII.1992, ♀, Pasinler, 1650 m, 13.VII.1992, 2♀♀, ♂, 24.VIII.1992, 2♀♀, Büyükdere, 1940 m, 10.VIII.1994, 2♀♀, ♂, Çalyazı, 2400 m, 10.VII.1992, 3♀♀, Pelitli, 2000 m, 14.VII.1998, ♂, Şenkaya, 9.VII.1992, ♂, Gezenek, 1600 m, 14.VIII.1998, ♀, Penek, 9.VII.1992, ♀, Turnalı, 1750 m, 28.VII.1993, 3♀♀, ♂, Uzundere, 12.VIII.1993, ♂; Kars: Sarıkamış, 1900 m, 17.VIII.1998, ♂; Konya: Sille, 1350 m, 10.VIII.1999, ♀; Samsun: Gürgendağ, 22.VIII.1992, ♀; Tokat: 900 m, 19.VIII.1992, ♀.

#### ***Pseudomalus bogdanovi* (RADOSZKOWSKI 1877)**

**M a t e r i a l e x a m i n e d :** Artvin: 18.VIII.1993, ♂, Ardanuç, Akarsu, 900 m, 7.VII.1994, ♀, Bilecik: 600 m, 15.VII.1995, ♂; Erzincan: 1250 m, 6.VII.1994, ♀, 11.VII.1994, ♀, 18.VII.1997, 2♀♀, 2♂♂, 11.VIII.1993, ♀; Erzurum: Dereboğazi, 2070 m, 11.VIII.1994, ♀, Palandöken, 2400 m, 19.VIII.1993, 2♀♀, University field, 1850 m, 3.VII.1992, 2♀♀, 8.VII.1997, 2♀♀, 29.VII.1992, ♀, ♂, 10.VIII.1992, ♂, 15.VIII.1993, ♀, 28.VIII.1992, ♀, Ilıca, Rizekent, 2000 m, 30.VII.1998, ♂, Oltu, Başaklı, 1700 m, 30.VIII.1992, ♀, Dutlu, 1400 m, 26.VI.1997, ♀, Pasinler, 1650 m, 13.VI.1996, ♀, Çalyazı, 2400 m, 10.VII.1997, 2♂♂, 11.VIII.1996, ♂, Pazaryolu, 1150 m, 27.VIII.1992, 2♀♀, Şenkaya, Penek, 1300 m, 9.VII.1992, ♀; Iğdır: 24.VIII.1997, ♀; Kars: Sarıkamış, Karakurt, 25.VIII.1997, ♂; Samsun: Çarşamba, 22.VIII.1992, ♀.

#### ***Pseudomalus punctulatus* (DAHLBOM 1854)**

**M a t e r i a l e x a m i n e d :** Bilecik: 600 m, 15.VIII.1995, ♀; Erzurum: Çat, Taşağıl, 12.VIII.1994, ♂, Ilıca, Atlıkonak, 2000 m, 29.VI.1999, ♂, İspir, Madenköprübaşı, 1100 m, 18.VI.1994, ♂, Olur, Süngübayır, 20.VII.1994, ♀.

#### ***Pseudomalus pusillus* (FABRICIUS 1804)**

**M a t e r i a l e x a m i n e d :** Kars: Sarıkamış, Karakurt, Şeytangeçmez, 1500 m, 2.VI.1999, 2♂♂, 11.VI.1998, ♂.

#### ***Pseudomalus triangulifer* (ABEILLE 1877)**

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

### **Zusammenfassung**

Die Arbeit behandelt Aufsammlungen von Elampinae, die im Zeitraum 1986 bis 2005 an verschiedenen Fundorten innerhalb der Türkei durchgeführt wurden. 61 Arten und Unterarten aus sieben Gattungen wurden nachgewiesen.

### **Reference**

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