

Contributions to the Opiinae fauna of Turkey (Hymenoptera: Braconidae)

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Abstract: This study was carried out in order to determine the species of the subfamily Opiinae in Turkey. Between 1991 and 2008, malaise and light traps and sweeping nets were used to obtain adult specimens from various habitats in Turkey. A total of 116 species from 7 genera and 28 subgenera of the Opiinae were determined, and 45 of these species were new records for the Turkish fauna. The distribution of the species was evaluated taking into consideration the zoogeographic regions and phytogeographic provinces of Turkey.

Key words: Turkey, Braconidae, Opiinae, fauna

Türkiye Opiinae faunasına katkılar (Hymenoptera: Braconidae)

Özet: Bu çalışma Türkiye Opiinae altfamilyasını saptamak için yapılmıştır. Ergin örnekler atrap, malesia ve ışık tuzaklarıyla Türkiye'nin çeşitli habitatlarından 1991-2008 yılları arasında toplanmıştır. Yedi cins ve 28 altcinsle bağlı toplam 116 tür saptanmıştır. Bu türlerin 45'i Türkiye faunası için ilk kayıttır. Türlerin yayılışları zoocoğrafik bölgelere ve Türkiye fitocoğrafik bölgelere göre değerlendirilmiştir.

Anahtar sözcükler: Türkiye, Braconidae, Opiinae, fauna

Introduction

Opiinae is a large subfamily, including over 1863 described species in 33 genera worldwide (Yu et al., 2006). Most opiines are small, squat, and weakly sculptured. They are usually rather uniformly brown or blackish, but a few are more brightly marked with orange or yellow colours. The clypeus is often broadly emarginate, causing there to be a space between

it and the mandibles when closed. This opening is usually relatively narrow, but in extreme cases it can lead to confusion with the cyclostome subfamilies, and in particular with Braconinae and Exothecini (Rogadinae), with which all opiines (except genus *Ademon* Haliday) share the lack of a prepectal carina. Opiines differ, however, in that the labrum remains more or less flat, rather than being strongly concave.

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They can also be distinguished from braconines by their longer sub-basal cell in the hind wing (usually at least half as long as the basal cell in opiines, but never more than a third as long in braconines), but they are not separable from exothecines based on this character.

All opiines are solitary koinobiont endoparasitoids of phytophagous cyclorrhaphan Diptera. Published biological and taxonomic information on the subfamily has been indexed by Fischer (1971). Most opiines are generally associated with leaf-miners, but in warmer climates the subfamily has important associations with Tephritidae, especially those infesting fruit, giving Opiinae a relatively high status with respect to biological pest control. Most species of the genus *Opius* Wesm. are small and parasitise the leaf-mining Agromyzidae, though a number of larger species attack the leaf-mining Anthomyiidae (*Pegomyza* Schnabl and Dziedzicki, *Chirosia* Rondani) and Tephritidae. The opiines that attack agromyzids generally have broader individual host ranges than the dacnusiine alysiines that attack the same host group. They include a group with long ovipositors parasitising hosts in seed heads but, in contrast with dacnusiines, opiines do not appear to have developed specialized forms that parasitise stem-boring hosts (Shaw and Huddleston, 1991).

The first new species of Opiinae from Turkey was described by Fischer (1960). Fischer (1971, 1972, 1992) has identified a lot more new Opiinae material from Turkey and recorded 11 new species. Since then, much more material has been collected with the support of the Turkish Scientific and Technical Research Council (TÜBİTAK). The material was identified and 116 species of Opiinae were recorded, 16 of which are new to science (Fischer and Beyarslan, 2005a, 2005b).

Materials and methods

Adult specimens of Opiinae were collected from various habitats of Turkey, between 1991 and 2008. Sweeping nets were used to obtain samples on grass-type plants. Specimens were also collected using Malaise and light traps. Obtained adult samples were then pinned and labelled. The identified specimens

were deposited at the Entomology Museum of Trakya University in Edirne. An asterisk (*) was used within the text for the species that were newly recorded from Turkey.

The general distribution of the species from Turkey is given (Gahan, 1917; Fischer, 1972; Zaykov, 1983; Zaykov and Fischer, 1983; Tobias, 1986; Fischer and Koponen, 1999a, 1999b; Çikman, et al., 2006; Yu et al., 2006; Çikman et al., 2008). The distribution of the species was evaluated according to the Phytogeographic provinces of Turkey (Figure) (Mayer and Aksoy 1998). Relevant literature was used for the taxonomical examination of the study material. The specimens were mainly identified by using the keys from Achterberg (1975, 1997), Fischer (1972, 1974, 1981a, 1981b, 1983, 1984, 1986, 1989, 1990, 1991, 1992, 1995, 1996, 1998, 1999, 2003), Papp (1978, 1979, 1982), and Tobias (1995).

Results

Genus *Atormus* van Achterberg, 1997

Atormus victus (Haliday, 1837)

Material examined: Bartın-Amasra, Kalayıcı, 15 m, 27.05.2007, 1♂; Ordu-Korgan, 1450 m, 31.08.2003, 1♂; Samsun-Ayvacık-Hasan Uğurlu Barajı, 60 m, 30.08.2003, 1♀; Trabzon-Maçka-Sümela, 1073 m, 1075 m, 03.07.2004, 1♀.

Genus *Biosteres* Förster, 1862

Subgenus *Biosteres* Förster, 1862 s. str.

Biosteres (Biosteres) carbonarius (Nees, 1834)

Material examined: Artvin-Şavşat-Karaköy, 1930 m, 30.06.2005, 1♂; Bartın-Kurucaşile-Danişment, 126 m, 09.06.2002, 1♀; Giresun-Şebinkarahisar-Dereli, 1430 m, 02.08.2005, 1♀; Kastamonu-Daday-Ballıdağ-Kelebekler Yaylası, 1600 m, 01.07.2001, 1♂; Rize-Çamlıhemşin-Aşağışimşirli, 500 m, 29.06.2005, 1♀; Çamlıhemşin-Galerdüzü, 1570 m, 01.09.2004, 1♂; İkizdere, 1085 m, 31.08.2004, 20♂♂, 6♀♀; Sivas-Cumhuriyet Üniversitesi Kampüsü, 1300 m, 18.06.2002, 1♀; Trabzon, Çaykara, Küplüce, 850 m, 1123 m, 04.07.2004, 1♀; Maçka-Şolma Yaylası, 1677 m, 06.08.2005, 1♀; Maçka-Yeşiltepe-Gulindağı, 1572 m, 06.08.2005, 1♂.

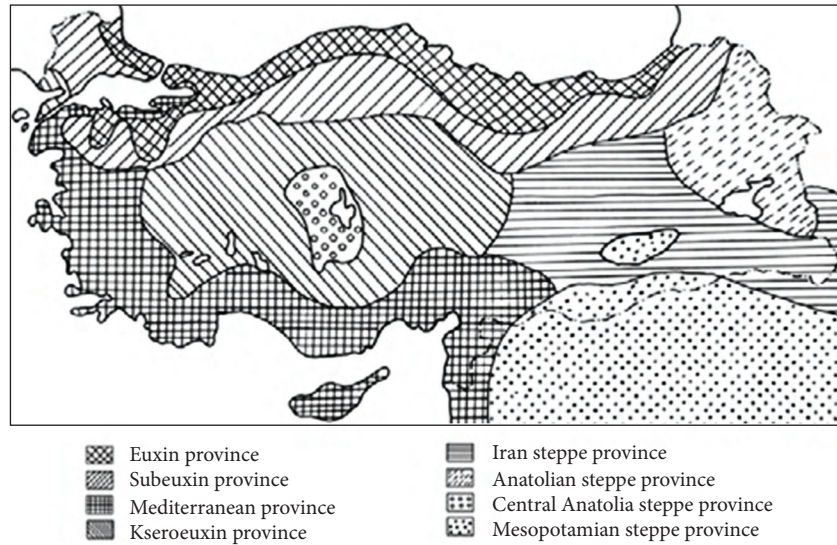


Figure. Phyto-geographical provinces in Turkey (modified from Mayer and Aksoy 1998).

Biology: Attracted to light.

***Biosteres (Biosteres) kayapinarenensis* Fischer and Beyarslan, 2005**

Material examined: Konya-Ereğli, 1050 m, 05.04.2002, 1♀.

****Biosteres (Biosteres) longicauda* (Thomson, 1895)**

Material examined: Giresun-Dereli-Kümbet, 1756 m, 05.07.2004, 3♂♂; Şebinkarahisar-Dereli, 1430 m, 02.08.2005, 1♂; Kütahya-Niksar, 970 m, 17.05.2001, 5♂♂; Ordu-Akkuş-Yukarıdüğencili, 1340 m, 05.07.2003, 1♀; Sivas-Gölova-Akıncılar, 1340 m, 29.05.2002, 1♂; Şarkışla, 1240 m, 02.02.2001, 1♂.

****Biosteres (Biosteres) remigii* (Fischer, 1971)**

Material examined: Isparta, Ağılköy, 1150 m, 22.05.2004, 1♀.

***Biosteres (Biosteres) spinaciae* (Thomson, 1895)**

Material examined: Çanakkale-Biga, 370 m, 16.07.1993, 1♀; Niğde-Azatlı, 1215 m, 02.06.2002, 1♂; Samsun-Çamlıyazı, 50 m, 28.08.2003, 1♂; Sivas-Bedirli, 1290 m, 23.05.2002, 1♀; Tekirdağ-Malkara-Kozyörük, 90 m, 26.06.2003, 1♀, 2♂♂.

Biology: Attracted to light.

Subgenus *Chilotrichia* Förster, 1862

****Biosteres (Chilotrichia) arenarius* (Stelfox, 1959)**

Material examined: Düzce, Akçakoca, Dadalı, 610 m, 26.05.2007, 1♀; Sivas- Cumhuriyet Üniversitesi Kampüs, 1300 m, 08.06.2002, 1♀.

***Biosteres (Chilotrichia) blandus* (Haliday, 1837)**

Material examined: Ankara-Beymen, 900 m, 06.06.2003, 1♂; Isparta-Güneykent, 1135 m, 12.05.2004, 2♀♀; Keçiözümlü, 1040 m, 31.05.2002, 1♀; Kayseri-Kozan, 1100 m, 17.05.2002, 2♀♀; Niğde, 1210 m, 06.05.2002, 1♂; Sivas-Zara, 1340 m, 12.06.2003, 1♀.

Biology: Attracted to light.

***Biosteres (Chilotrichia) brevipalpis* (Thomson, 1895)**

Material examined: Artvin-Yusufeli-Küplüce, 850 m, 01.07.2005, 1♂; Varlık, 675 m, 03.09.2004, 1♀; Trabzon, Çaykara, 275 m, 1123 m, 04.07.2004, 3♂♂.

***Biosteres (Chilotrichia) haemorrhoeus* (Haliday, 1836)**

Material examined: Amasya-Kale, 260 m, 07.04.2004, 1♂; Gümüşhane-Arzular, 1240 m, 07.08.2005, 1♀; Samsun-Kavak-Boğaziçi, 690 m, 28.08.2003, 2♂♂.

***Biosteres (Chilotrichia) rusticus* (Haliday, 1837)**

Material examined: Artvin-Yusufeli-Küplüce, 850 m, 01.07.2005, 1♀, 3♂♂; Kayseri-Gömeç, 1100 m, 14.09.2006, 1♂; Ordu-Akkuş-Yukarıdüğencili, 1340 m, 05.07.2003, 1♀; Samsun-Salı Pazarı-Astepe Mevkii, 65 m, 03.07.2003, 1♀; Trabzon-Çaykara-Küplüce, 850 m, 04.07.2004, 1♀, 2♂♂; Maçka-Şolma Yaylası, 1677 m, 06.08.2005, 3♀♀.

Biology: Attracted to light.

****Biosteres (Chilotrichia) scabriculus* (Wesmael, 1835)**

Material examined: Sivas-Cumhuriyet Üniversitesi Kampüs, 1300 m, 24.07.2002, 1♂.

***Biosteres (Chilotrichia) ultor* (Förster, 1862)**

Material examined: Sivas-Şarkışla-Pınarbaşı, 1260 m, 01.07.2002, 1♂; Tunceli, Kutudere, 941 m, 14.06.2008, 1♂.

***Biosteres (Chilotrichia) wesmaelii* (Haliday, 1835)**

Material examined: Artvin-Yusufeli, Küplüce, 850 m, 10.07.05, 1♂; Ordu-Korgan, 1450 m, 31.08.2003, 1♀, 1♂; Ordu-Mesudiye, 1090 m, 06.07.2004, 1♂; Sivas-Şarkışla-Pınarbaşı, 1260 m, 01.07.2002, 1♂.

Genus *Bitomus* Szépligeti, 1910

***Bitomus (Bitomus) castus* (Zaykov, 1983)**

Material examined: Karabük-Bostanbükü, 1200 m, 28.08.2002, 1♀.

***Bitomus (Bitomus) valdepusillus* Fischer and Beyarslan, 2005**

Material examined: Bartın-Kurucaşile-Danişment, 126 m, 27.05.2007, 1♀; Niğde-Bor-Çukurkuyu, 1080 m, 19.07.2007, 1♀.

Genus *Diachasmimorpha* Viereck, 1913

****Diachasmimorpha* (*Diachasmimorpha*) *paeoniae* (Tobias, 1980)**

Material examined: Artvin-Yusufeli-Küplüce, 850 m, 01.07.2005, 1♂; Hatay-Tokgöz, 1550 m, 12.11.2006, 2♀♀; Ordu-Korgan-Belalan, 1040 m, 31.08.2003, 1♂; Samsun, Salıpazarı, Astepe, 60 m, 13.07.2003, 1♂.

Genus *Eurytenes* Förster, 1862

Subgenus *Jucundopius* (Fischer, 1984)

****Eurytenes (Jucundopius) campanariae* (Fischer, 1959)**

Material examined: Bayburt-Merkez, 1550 m, 07.08.2005, 1♂.

Genus *Opius* Wesmael, 1835

Subgenus *Agnopius* Fischer, 1982

***Opius (Agnopius) altimontanus* (Fischer, 1969)**

Material examined: Adıyaman-Besni-Sofraz, 1090 m, 18.10.2005, 2♀♀, 1♂; Elazığ-Keban-Aydınlar, 990 m, 16.07.2007, 1♀; Ordu-Korgan-Belalan, 1040 m, 31.08.2003, 2♀♀.

****Opius (Agnopius) angelus* Fischer, 1971**

Material examined: Ankara, Yenikent, İlyakut, 900 m, 08.06.2007, 2♀♀.

****Opius (Agnopius) nowakowskii* (Fischer, 1959)**

Material examined: Elazığ-Baskil-Canbeyler, 1120 m, 03.06.2007, 1♂; Malatya-Çiftlik, 965 m, 03.06.2007, 1♂; Sivas-Yıldızeli, 1450 m, 30.05.2007, 1♀.

****Opius (Agnopius) rex* Fischer, 1958**

Material examined: Çorum-Alaca-Kıcılı, 765 m, 28.05.2002, 1♀; Kayseri-Pınarbaşı, Kızıldere, 1460 m, 06.06.2007, 1♀.

***Opius (Agnopius) rugatus* Fischer, 1992**

Material examined: Edirne-Lalapaşa, Hamzabeyli, 60 m, 10.05.1998, 1♀.

***Opius (Agnopius) selimbassai* Fischer, 1992**

Material examined: Elazığ-Keban-Altınyaka, 1245 m, 04.06.2007, 1♂; Sivas-Cumhuriyet Üniversitesi Kampüs. (Malesia Tuzağı), 1300 m, 24.06-07.2002, 1♀.

***Opius (Agnopius) similis* Szépligeti, 1898**

Material examined: Adıyaman-Besni-Sofraz, 1070 m, 18.10.2005, 2♀♀, 1♂; Çorum-Alaca-Kıcılı, 765 m, 28.05.2002, 1♀; Elazığ-Baskil-Hacımustafa, 1440 m, 04.06.2007, 1♂; Keban-Aydınlar, 990 m, 16.07.2007, 1♀; Ordu-Korgan-Belalan, 1040 m, 31.08.2003, 2♀♀; Sivas-Yeniçubuk, 1290 m, 02.06.2001, 1♂.

***Opius (Agnopius) tirolensis* Fischer, 1958**

Material examined: Tokat-Almus-Çilhane, 830 m, 02.09.2003, 1♀; Zonguldak, Devrek, 95 m, 28.06.2001, 1♂.

Subgenus *Allophlebus* Fischer, 1972***Opius (Allophlebus) fuscipennis* Wesmael, 1835**

Material examined Bartın-Amasra, Kalayıcı, 15 m, 27.05.2007, 1♀; Sivas-Kangal, 1610 m, 13.06.2001, 1♀.

****Opius (Allophlebus) singularis* Wesmael, 1835**

Material examined: Amasya-Merzifon, Esenköy, 510 m, 09.07.2003, 1♀; Artvin-Şavşat-Pınarlı, 30.06.2005, 1♀.

****Opius (Allophlebus) staryi* Fischer, 1958**

Material examined: Kastamonu-Daday-Sarpun, 1340 m, 29.08.2002, 1♂; Trabzon-Maçka-Hamsiköy, 1400 m, 05.08.2005, 1♂.

****Opius (Allophlebus) tabificus* Papp, 1979**

Material examined: Bartın-Amasra-Kalayıcı, 15 m, 27.05.2007, 1♀; Elazığ-Baskil, Hacımustafa, 1440 m, 04.06.2007, 1♂; Elazığ-Keban-Aydınlar, 990 m, 16.07.2007, 1♀, 1♂; Elazığ-Keban-İbolor, 888 m, 16.07.2007, 2♀♀; Kastamonu-Daday-Ballıdağ-Sarpun, 1340 m, 29.08.2002, 1♀; Kırklareli, Babaeski, Karaca, 70 m, 05.07.2002, 1♂, 1♀; Malatya-Doğanşehir-Takaz, 1290 m, 02.06.2007, 1♀.

Subgenus *Allotypus* Förster, 1862***Opius (Allotypus) irregularis* Wesmael, 1835**

Material examined: Adıyaman-Besni-Söğütözü, 1080 m, 17.10.2005, 1♀; Amasya-Merzifon, 510 m, 04.07.2004, 1♀; Artvin-Varlık, 675 m, 03.09.2004, 1♂; Yusufeli-Küplüce, 850 m, 04.09.2004, 1♀; Yusufeli-Sarıgöl, 850 m, 04.09.2004, 1♀; Balıkesir-Manyas Kuş Cenneti, 639 m, 11.05.1991, 1♀; Bartın-Amasra, Kalayıcı, 15 m, 27.05.2007, 3♀♀; Bayburt-Merkez, 1550 m, 07.08.2005, 1♀; Giresun-Duruoğlu, 86 m, 05.07.2004, 1♀, 1♂; Ordu-Ünye-Çatalpınar, 80 m, 05.07.2003, 1♀; Rize-İkizdere-Tron Ormanı, 1344 m, 31.08.2004, 1♂; Kalkandere, 80 m, 31.08.2004, 1♀; Samsun-Kavak-Boğaziçi, 680 m, 02.07.2003, 1♂; Şanlıurfa-Halfeti, 525 m, Gözeli, 530 m, 15.09.1999, 1♀.

***Opius (Allotypus) tuberculatus* Fischer, 1959**

Material examined: Amasya-Taşova-Boraboy Köyü, 250 m, 08.07.2003, 1♀; Kayseri-Pınarbaşı-Kızıldere, 1460 m, 06.06.2007, 1♂.

Subgenus *Apodesmia* Förster, 1862****Opius (Apodesmia) aethiops* Haliday, 1837**

Material examined: Aksaray-Ihlara, 670 m, 690 m, 09.05.2003, 1♂.

***Opius (Apodesmia) karesuandensis* Fischer, 1964**

Material examined: Sivas-Sincan 1350 m, 31.05.2007, 1♀.

Subgenus *Cryptonastes* Förster, 1862***Opius (Cryptonastes) cicericis* Fischer, 1974**

Material examined: Adana-Balcalı, 80 m, 10.04.1980, 1♂; Adıyaman-Çençen, 21.04.2004, 1♂.

***Opius (Cryptonastes) gracilis* Fischer, 1957**

Material examined: Bartın-Amasra-Kalayıcı, 15 m, 27.05.2007, 1♀; Çanakkale-Kazdağı, 700 m, 16.09.1992, 1♀; Elazığ-Baskil-Hacımustafa, 1440 m, 04.06.2007, 1♀; 16.07.2007, 1♀; Malatya-Akçadağ-Darıca, 1540 m, 05.06.2007, 1♀; Doğanşehir-Takaz, 1290 m, 14.07.2007, 1♀; Nevşehir-Ihlara Vadisi, 670 m, 17.05.1998, 2♀♀.

***Opius (Cryptonastes) pygmaeus* Fischer, 1962**

Material examined: Amasya-Fındıklı, 380 m, 03.09.2003, 1♀; Artvin-Varlık, 675 m, 03.09.2004, 1♀; Yusufeli-Demirçubuk, 637 m, 01.07.2005, 4♀♀; Yusufeli, 840 m, 02.07.2005, 2♀♀; Yusufeli-Demirdöven, 1465 m, 02.07.2005, 2♀♀, 1♂; Aydın-Sultanhisar-Salavatlı, 80 m, 19.09.1996, 1♀; Elazığ-Baskil-Hacımustafa, 1440 m, 16.07.2007, 1♀; Kayseri-İncesu, Örenşehir, 1060 m, 14.09.2006, 1♀; Malatya-Doğanşehir-Takaz, 1290 m, 14.07.2007, 1♂; Sultansuyu Harası, 881 m, 14.07.2007, 1♀; Ordu-Korgan-Belalan, 1040 m, 31.08.2003, 1♀; Sivas-Koyulhisar, 694 m, 900 m, 01.07.2004, 1♀; Tokat-Almus-Çilhane, 830 m, 02.09.2003, 2♀♀, 1♂; Almus-Gümelönü, 800 m, 02.09.2003, 1♂; Kemalpaşa, 665 m, 30.06.2004, 2♀♀; Pazar-Balıca, 1020 m, 07.07.2003, 1♀; Trabzon-Çaykara, 275 m, 04.07.2004, 1♀; Zonguldak-Yayla, 41 m, 27.05.2007, 1♀.

***Opius (Cryptonastes) tersus* (Förster, 1862)**

Material examined: Artvin-Yusufeli-Demirçubuk, 637 m, 01.07.2005, 1♂; Kastamonu-Daday-Sarpun, 1340 m, 29.08.2002, 1♀; Nevşehir-Ürgüp, 1082 m, 13.09.2006, 1♀; Şanlıurfa-Konuklu, 520 m, 10.05.2005, 2♂♂; Ziraat Fakültesi, 518 m, 18.04.2004, 2♀♀, 5♂♂; 03.05.2004, 2♂♂, 1♀; 26.04.2005, 2♀♀, 5♂♂; 02.05.2005, 3♂♂, 2♀♀; Tokat-Almus-Çilhane, 830 m, 02.09.2003, 1♀.

Subgenus *Gastrosema* Fischer, 1972

***Opius (Gastrosema) caucasi* Tobias, 1986**

Material examined: Malatya-Çiftlik, 03.06.2007, 2♀♀, 3♂♂; Aksaray-Ihlara-Yaprakhisar, 1354 m, 680 m, 11.09.2006, 1♂; Bartın-Amasra-Kalaycı, 15 m, 27.05.2007, 10♀♀, 1♂; Kurucaşile-Danişment, 126 m, 27.05.2007, 3♀♀, 1♂; 09.06.2007, 1♂; Elazığ-Baskil-Hacimustafa, 1440 m, 04.06.2007, 1♂; Keban-İbolar, 888 m, 16.07.2007, 2♂♂, 1♀; Kayseri-Bağpınar, 1100 m, 14.09.2006, 2♀♀, 1♂; Malatya-Çiftlik, 965 m, 03.06.2007, 2♂♂, 1♀; Darende-Yazıköy, 1203 m, 05.06.2007, 2♀♀; Sultansuyu Harası, 881 m, 05.06.2007, 1♀; 14.07.2007, 2♀♀; Nevşehir-Ürgüp-Üzengi, 1056 m, 13.09.2006, 1♀; Niğde-Bor-Kayı, 1095 m, 19.07.2007, 4♀♀; Tunceli-Merkez, Aktuluk, 941 m, 27.08.2008, 1♀.

****Opius (Gastrosema) docilis* Haliday, 1837**

Material examined: Amasya-Taşova-Keçiyatağı, 1250 m, 08.07.2003, 1♀.

***Opius (Gastrosema) erzurumensis* Fischer, 2004**

Material examined: Amasya-Merzifon-Tavşan Dağı-Uzunağaç, 1600 m, 27.08.2004, 1♀; Artvin-Yusufeli-Küplüce, 850 m, 01.07.2005, 1♀; Varlık, 675 m, 03.09.2004, 1♂, 3♀♀; Yusufeli-Sarıgöl, 850 m, 04.09.2004, 1♀; Giresun-Duruoğlu, 86 m, 05.07.2004, 7♂♂, 3♀♀; Trabzon-Çaykara, 275 m, 04.07.2004, 1♀.

***Opius (Gastrosema) paraqvisti* Fischer, 2004**

Material examined: Giresun-Duruoğlu, 86 m, 05.07.2004, 1♂. Kastamonu-Daday-Sarpun, 1340 m, 29.08.2002, 1♀; Rize-İkizdere, Tron Osman Dağı, 1085 m, 31.08.2004, 1♀.

Subgenus *Hypocynodus* Förster, 1862

****Opius (Hypocynodus) arundinis* Fischer, 1964**

Material examined: Aksaray-Ihlara-Yaprakhisar, 1354 m, 1365 m, 11.09.2006, 1♀; Kırklareli-Vize, 25.08.1992, 1♀; Malatya-Çiftlik, 965 m, 03.06.2007, 2♂♂; Niğde-Bor-Çukurkuyu, 1080 m, 19.07.2007, 1♀.

****Opius (Hypocynodus) bouceki* Fischer, 1958**

Material examined: Kayseri, Pınarbaşı, Aşağı Kızılçevik, 1655 m, 13.07.07. 1♀; Tunceli-Pülümür, Kangallı, 1345 m, 14.06.2008, 1♀; Tunceli-Pertek, Tozkoparan, 1300 m, 13.06.2008, 1♀.

***Opius (Hypocynodus) crassipes* Wesmael, 1835**

Material examined: Elazığ-Baskil-Canbeyler, 1120 m, 03.06.2007, 2♀♀, 1♂; Baskil-Hacimustafa, 1440 m, 04.06.2007, 1♂; Keban-Altınyaka, 1245 m, 04.06.2007, 1♀; Gümüşhane-Kelkit-Gürüz Dağı, 1875 m, 02.07.2004, 2♂♂; Şiran-Arıtış, 1300 m, 02.07.2004, 1♀; Malatya-Akçadağ-Sarıhacı, 1370 m, 05.06.2007, 3♂♂; Doğanşehir-Takaz, 1290 m, 02.06.2007, 1♀; Ordu-Akkuş-Yukarıdüğencili, 1340 m, 05.07.2003, 1♀.

***Opius (Hypocynodus) lara* Fischer, 1968**

Material examined: Malatya-Akçadağ-Sarıhacı, 1370 m, 05.06.2007, 1♀.

Host: Unknown.

***Opius (Hypocynodus) larissa* Fischer, 1968**

Material examined: Edirne-Lalapaşa-Hamzabeyli, 70 m, 26.05.1992, 1♀; Elazığ-Baskil-Canbeyler, 1120 m, 03.06.2007, 1♂; Baskil-Hacimustafa, 1440 m, 16.07.2007, 2♀♀; Malatya-Çiftlik, 965 m, 03.06.2007, 2♀♀, 1♂.

****Opius (Hypocynodus) sonja* Fischer, 1968**

Material examined: Elazığ-Baskil-Canbeyler, 1120 m, 03.06.2007, 1♂.

Subgenus *Ilicopius* Fischer, 1992

****Opius (Ilicopius) bajariae* (Fischer, 1989)**

Material examined: Zonguldak, Devrek, 28.06.2001, 1♂.

***Opius (Ilicopius) pulchriceps* (Szépligeti, 1898)**

Material examined: Zonguldak-Çukürören, 148 m, 09.06.2002, 1♀.

Subgenus *Merotrachys* Fischer, 1972

****Opius (Merotrachys) schmidti* Fischer, 1960**

Material examined: Elazığ-Keban-Aydınlı, 990 m, 16.07.2007, 1♀; Çanakkale-Lapseki, 90 m, 06.06.1993, 1♂.

Subgenus *Misophthora* Förster, 1862

***Opius (Misophthora) monilicornis* Fischer, 1962**

Material examined: Afyon-Bolvadin, 29.06.1998, 1♀; Sandıklı-Ekinhisar, 28.06.1998, 1♀; Sincanlı-Karacaören, 27.07.1997, 1♀; Amasya-Merzifon, 510 m, 04.07.2004, 1♀; Bilecik-Ayvacık, 550 m, 09.07.1993, 1♀; 09.07.2003, 1♀; Elazığ-Cip Barajı, 1010 m, 04.06.2007, 1♀; Eskişehir-Anadolu Üniversitesi Hatıra Ormanı, 910 m, 10.07.2007, 1♀; Mardin-Savur, 1150 m, 17.05.2002, 2♀♀; Mardin-Savur-Gelincik, 1160 m, 17.05.2002, 1♀; Şanlıurfa-Ziraat Fakültesi, 590 m, 18.04.2004, 7♀♀, 1♂; 03.05.2004, 1♂, 2♀♀; 26.04.2005, 3♀♀, 3♂♂; 10.05.2005, 1♂; Uşak-Ortaköy, 890 m, 30.06.1998, 1♂.

****Opius (Misophthora) occullisus* Telenga, 1950**

Material examined: Elazığ-Baskil-Hacımustafa, 1440 m, 04.06.2007, 1♀.

***Opius (Misophthora) tenellae* Fischer, 1969**

Material examined: Sivas-Zara, 1340 m, 29.05.2002, 2♂♂.

***Opius (Misophthora) wachsmanni* Szépligeti, 1898**

Material examined: Amasya-Merzifon-Uzunağaç, 1600 m, 09.07.2003, 1♀; Bayburt-Merkez, 1550 m, 07.08.2005, 1♀; Malatya-Çiftlik, 965 m, 03.06.2007, 2♀♀; 05.06.2008, 1♂.

Subgenus *Nosopaeopus* Fischer, 1972

***Opius (Nosopaeopus) ochrogaster* Wesmael, 1835**

Material examined: Artvin-Yusufeli, Demirdöven, 1465 m, 02.07.2005, 1♀; Bursa-Süleymaniye, 19.09.1992, 1♂; Eskişehir-Kaymaz, 450 m, 10.07.2007, 1♀; Kayseri-Gömeç, 1100 m, 14.09.2006, 1♀; Nevşehir-Ürgüp-Üzengi, 1056 m, 13.09.2006, 1♀.

Subgenus *Nosopoea* Förster, 1862

***Opius (Nosopoea) cingulatus* Wesmael, 1835**

Material examined: Amasya-Gümüşhacıköy, 670 m, 07.04.2008, 1♂; Ankara-Ümitköy, 870

m, 27.04.2002, 1♀; Rize-Ayder Yaylası, 1260 m, 28.06.2005, 1♂.

****Opius (Nosopoea) circulator* (Nees, 1834)**

Material examined: Kayseri-Pınarbaşı, Kızıldere, 1460 m, 06.06.2007, 1♂.

***Opius (Nosopoea) maculipes* Wesmael, 1835**

Material examined: Kayseri-Pınarbaşı-Kızıldere, 1460 m, 06.06.2007, 1♀; Konya-Ereğli, 1050 m, 23.04.2001, 2♂♂, 2♀♀; Niğde-Çamardı, 1250 m, 06.05.2002, 1♀; Samsun-Ayvacık-Hasan Uğurlu Barajı, 60 m, 30.08.2003, 1♀; Tekirdağ-Çerkezköy, 80 m, 23.06.1993, 1♀; Konya-Ereğli, 1050 m, 23.04.2001, 2♀♀, 2♂♂.

***Opius (Nosopoea) speciosus* Fischer, 1959**

Material examined: Kastamonu-Daday, 1570 m, 01.07.2001, 1♂.

Subgenus *Odontopoea* Fischer, 1986

****Opius (Odontopoea) connivens* Thomson, 1895**

Material examined: Giresun-Şebinkarahisar-Dereli, 1430 m, 02.08.2005, 1♀.

****Opius (Odontopoea) rhodopocola* Zaykov and Fischer, 1986**

Material examined: Hatay-Kilis, 650 m, 06.05.1985, 1♂.

Subgenus *Opiognathus* Fischer, 1972

****Opius (Opiognathus) propepactum* Fischer, 1984**

Material examined: Edirne-Trakya Üniversitesi. Ayşekadın Yerleşkesi, 42 m, 08.04.1989, 2♂♂.

****Opius (Opiognathus) propodealis* Fischer, 1958**

Material examined: Gümüşhane-Kelkit-Yeniköy, 1474 m, 29.08.2004, 2♀♀; Samsun-Salıpazarı-Derbentaltı, 100 m, 03.07.2003, 1♀; Tokat-Almus-Çilhane, 830 m, 02.09.2003, 2♀♀.

Subgenus *Opiostomus* Fischer, 1971

***Opius (Opiostomus) griffithsi* Fischer, 1962**

Material examined: Adana-Feke-Efkeli, 850 m, 02.10.1979, 1♂; Denizli-Tavas-Tekkeköy, 960 m, 27.06.1998, 1♀; Edirne-Suakacağı, 41 m, 29.05.1993, 1♀; Gümüşhane-Şiran-Yeşilbük, 1434 m, 29.08.2004, 1♀; Tokat-Turhal-Üçyol, 1040 m, 07.07.2003, 1♂.

Subgenus *Opiothorax* Fischer, 1972

****Opius (Opiothorax) abditus* Fischer, 1960**

Material examined: Afyon-Emirdağ-Salihler, 1010 m, 29.06.1998, 2♂♂; Eskişehir-Kaymaz, 450 m, 10.07.2007, 1♀; Kayseri-Bağpınar, 1100 m, 14.09.2006, 1♀; İncesu-Örenşehir, 1060 m, 14.09.2006, 1♂; Malatya-Doğanşehir-Takaz, 1290 m, 02.06.2007, 1♀.

***Opius (Opiothorax) dureseui* Fischer, 1975**

Material examined: Konya-Beyşehir-Çukurağıl, 1228 m, 09.09.2006, 5♀♀, 1♂; Tekirdağ-Hayrabolu, 90 m, 26.08.1992, 1♀.

***Opius (Opiothorax) filicornis* Thomson, 1895**

Material examined: Adıyaman-Besni-Başlı, 1050 m, 20.04.2005, 1♀; Amasya, 260 m, 07.04.2004, 2♀♀; Merzifon, 510 m, 04.07.2004, 1♀; Giresun-Alucra-Gürbulak, 1582 m, 29.08.2004, 1♀; Kayseri-Bağpınar, 1100 m, 14.09.2006, 8♀♀; Bağpınar, 1100 m, 14.09.2006, 1♀; İncesu, 1070 m, 15.09.2006, 3♀♀; Yahyalı-Mustafabeyli, 15.09.2006, 1♂, 1♀; Yemliha, 995 m, 15.09.2006, 1♀, 2♂♂; Kırşehir-Özbağ, 1036 m, 16.09.2006, 1♂; Malatya-Akçadağ-Sarıhacı, 1370 m, 05.06.2007, 1♀; Çiftlik, 965 m, 03.06.2007, 1♂; Trabzon-Maçka-Sümela, 1073 m, 03.07.2004, 1♂.

****Opius (Opiothorax) latistigma* Fischer, 1960**

Material examined: Elazığ-Baskil-Hacımustafa, 1440 m, 16.07.2007, 1♀; Eskişehir-Mikaliççık-Çatacık, 1332 m, 09.07.2007, 1♀; Kayseri-İncesu-Örenşehir, 1060 m, 14.09.2006, 1♀; Malatya-Doğanşehir-Takaz, 1290 m, 14.07.2007, 1♀; Sultansuyu Harası, 881 m, 05.06.2007, 1♀.

***Opius (Opiothorax) levis* Wesmael, 1835**

Material examined: Artvin-Yusufeli-Demirdöven, 1465 m, 02.07.2005, 2♀♀; Bayburt-Merkez, 1550 m, 07.08.2005, 1♀; Samsun-Vezirköprü-Köprübaşı, 550 m, 28.08.2003, 2♀♀; Trabzon-Akçaabat-Aykat, 331 m, 04.08.2005, 1♀; Maçka-Sümela, 1073 m, 03.07.2004, 2♀♀.

****Opius (Opiothorax) longicornis* Thomson, 1895**

Material examined: Manisa-Güzelköy, 03.05.1997, 1♀; Trabzon-Maçka-Yeşiltepe-Gulındağı, 1572 m, 06.08.2005, 1♀.

***Opius (Opiothorax) loniceræ* Fischer, 1958**

Material examined: Kayseri-Bağpınar, 1100 m, 14.09.2006, 1♂.

***Opius (Opiothorax) magnicauda* Fischer, 1958**

Material examined: Malatya-Akçadağ-Sarıhacı, 1370 m, 05.06.2007, 1♀.

***Opius (Opiothorax) minusculæ* Fischer, 1967**

Material examined: Edirne-Merkez-Suakacağı, 41 m, 05.07.1997, 1♂; Malatya-Doğanşehir-Takaz, 1290 m, 02.06.2007, 1♀.

***Opius (Opiothorax) mirabilis* Fischer, 1958**

Material examined: Bayburt-Merkez, 1550 m, 07.08.2005, 1♀; Gümüşhane-Kelkit-Yeniköy, 1474 m, 29.08.2004, 1♀.

****Opius (Opiothorax) neopendulus* Fischer, 1989**

Material examined: Malatya-Çiftlik, 965 m, 03.06.2007, 1♀.

****Opius (Opiothorax) nigricoloratus* Fischer, 1958**

Material examined: Kastamonu-Daday-Ballıdağ-Sarpun, 1340 m, 01.07.2001, 1♂.

***Opius (Opiothorax) opacus* Fischer, 1968**

Material examined: Adana-Balcalı, 80 m, 04.04.1985, 1♂; Bartın-Amasra-Kalaycı, 15 m, 27.05.2007, 1♀; Edirne-Yenikadın-Kazanova, 42 m, 14.06.1987, 1♀; Kayseri-Bağpınar, 1100 m, 14.09.2006, 3♀♀, 4♂♂; İncesu-Örenşehir, 1060 m, 14.09.2006, 1♂; Yemliha, 995 m, 15.09.2006, 1♂; Malatya-Doğanşehir-Reşadiye, 1346 m, 1360 m, 02.06.2007, 1♀, Sultansuyu Harası, 900 m, 14.07.2007, 1♂; Niğde-Bor-Kayı, 1095 m, 19.07.2007, 1♀.

****Opius (Opiothorax) soenderupianus* Fischer, 1967**

Material examined: Gümüşhane-Kelkit-Köyçük, 1350 m, 02.07.2004, 1♀.

***Opius (Opiothorax) turcicus* Fischer, 1960**

Material examined: Bartın-Amarsa-Kalaycı, 15 m, 27.05.2007, 2♀♀, 1♂; Edirne-Keşan-Koru dağları 670 m, 12.06.1991, 1♂; Elazığ-Baskil-Topakent, 903 m, 03.06.2007, 1♂; Malatya-Çiftlik, 965 m, 03.06.2007, 1♀; Sivas-Yıldızeli-Ekecik, 30.05.2007, 1♂; Tokat-Çamağzı, 01.07.2004, 2♀♀.

Subgenus *Opius* Wesmael, 1835 s. str.***Opius (Opius) agromyzicola* Fischer, 1967**

Material examined: Bartın, Amasra, Kalayıcı, 15 m, 27.05.2007, 1♂; Bayburt-Merkez, 1550 m, 07.08.2005, 1♂; Kırklareli-Balaban, 06.07.1997, 1♂.

***Opius (Opius) caricivora* Fischer, 1964**

Material examined: Kırklareli-Balaban, 06.07.1997, 1♂; Malatya-Sultansuyu Harası, 881 m, 05.06.2007, 1♂.

***Opius (Opius) curticornis* Fischer, 1960**

Material examined: Tekirdağ, Hayrabolu, 90 m, 26.08.1992, 1♀.

***Opius (Opius) lugens* Haliday, 1837**

Material examined: Edirne-Keşan-Koru Dağları, 670 m, 12.06.1991, 1♀; Kırklareli-Babaeski-Katranca, 80 m, 05.07.1992, 1♀.

****Opius (Opius) mendus* Papp, 1982**

Material examined: Malatya-Çiftlik, 965 m, 03.06.2007, 1♂.

***Opius (Opius) osogovoensis* Fischer, 1964**

Material examined: Bartın-Kurucaşile, 129 m, 27.05.2007, 1♂; Edirne-Yolüstü, 20.06.1987, 1♀; Suakacağı, 40 m, 05.07.1997, 1♀; Kırklareli-Babaeski-Katranca, 180 m, 05.07.1992, 14♀♀, 12♂♂; Babaeski, Karaca, 190 m, 05.07.1992, 1♀; Kırşehir-Özbağ, 1036 m, 16.09.2006, 1♂.

***Opius (Opius) pallipes* Wesmael, 1835**

Material examined: Aksaray-Ihlara, 670 m, 11.09.2006, 1♀; Bartın-Amasra-Kalayıcı, 15 m, 27.05.2007, 1♂; Karabük-Safranbolu-İnceçay-Sarıçiçek Dağı, 1700 m, 29.06.2001, 1♀; Kayseri-Yeşilhisar-Araplı, 1349 m, 18.07.2007, 1♂; Malatya-Doğanşehir-Reşadiye, 1346 m, 14.07.2007, 1♀; Çiftlik, 965 m, 03.06.2007, 2♀♀, 1♂; Sultansuyu, 900 m, 05.06.2007, 2♂♂.

Biology: Attracted to light.

***Opius (Opius) peterseni* Fischer, 1964**

Material examined: Sivas-Sincan, 855 m, 31.05.2007, 1♀.

***Opius (Opius) quasipulvis* Fischer, 1989**

Material examined: Aksaray-Ihlara-Yaprakhisar, 1354 m, 11.09.2006, 1♀; Kırklareli-Babaeski-Katranca, 80 m, 05.07.1992, 1♂.

Subgenus *Pendopius* Fischer, 1972***Opius (Pendopius) pendulus* Haliday, 1837**

Material examined: Adıyaman-Kahta-Hasancık, 790 m, 09.05.2005, 1♀.

Subgenus *Phaedrotoma* Förster, 1862****Opius (Phaedrotoma) benignus* (Papp, 1981)**

Material examined: Karabük-Çay, 300 m, 28.08.2002, 1♂; Şanlıurfa-Halfeti, Gözeli, 525 m, 15.09.1999, 1♀.

****Opius (Phaedrotoma) biroii* (Fischer, 1960)**

Material examined: Konya-Beyşehir-Çukurağıl, 1228 m, 09.09.2006, 1♀; Amasya-Karabrahim-Çengel, 670 m, 03.09.2003, 1♀; Edirne-Merkez-Suakacağı, 40 m, 29.05.2003, 1♀; Gümüşhane-Şiran-Yeşilbük, 1434 m, 1434 m, 29.08.2004, 1♀; Tokat-Turhal-Üçyol, 1040 m, 07.07.2003, 1♂.

***Opius (Phaedrotoma) depeculator* Förster, 1862**

Material examined: Bartın-Amasra-Kalayıcı, 15 m, 27.05.2007, 1♀; Amasya-Gümüşhacıköy, 670 m, 07.04.2004, 1♀; Yıldızköy, 420 m, 29.06.2004, 1♀; Artvin-Yusufeli-Küplüce, 850 m, 04.09.2004, 1♂; Bartın-Amasra-Kalayıcı, 15 m, 27.05.2007, 1♀; Amasra-Kalayıcı, 15 m, 27.05.2007, 1♀; Kurucaşile, 129 m, 27.05.2007, 1♀; Çorum-İskilip-Karlık, 546 m, 26.08.2004, 1♀; Kavak, Hacısakir, Çiftliği, 981 m, 26.08.2004, 1♀; Elazığ-Baskil-Hacımustafa, 1440 m, 04.06.2007, 1♂; Cip Barajı, 1010 m, 04.06.2007, 1♀; Giresun-Duruoğlu, 86 m, 05.07.2004, 1♀; Konya-İlgın Şeker Fabrikası, 1019 m, 08.09.2006, 1♂; Malatya-Doğanşehir-Reşadiye, 02.06.2007, 1♀; Hekimhan, Hasançelebi, 1306 m, 01.06.2007, 1♀; Sultansuyu Harası, 881 m, 05.06.2007, 1♀; 17.07.2007, 1♂; Nevşehir-Avanos-Saruhan, 958 m, 13.09.2006, 1♀; Gülşehir-Gülyeri, 910 m, 12.09.2006, 1♂; Ordu-Korgan, 1450 m, 31.08.2003, 1♀; Korgan-Belalan, 1040 m, 31.08.2003, 1♂; Tokat-Almus-Çilhan, 830 m, 02.09.2003, 1♂; Reşadiye-Çayırpınar, 672 m, 01.07.2004, 1♂; Trabzon-Maçka-Şolma Yaylası, 1677 m, 06.08.2005, 1♂.

Opius (Phaedrotoma) diversa (Szépligeti, 1898)

Material examined: Amasya-Taşova-Borabay, 648 m, 29.06.2004, 2♀♀; Ankara-Kalecik, Elmapınar, 912 m, 28.05.2007, 1♂; Artvin-Yusufeli-Demirçubuk, 637 m, 01.07.2005, 2♀♀; Bartın-Amasra-Kalaycı, 15 m, 27.05.2007, 2♀♀, 2♂♂; Bayburt-Merkez, 1550 m, 07.08.2005, 2♀♀; Edirne-Keşan-Koru Dağları, 670 m, 12.06.1991, 1♀; Elazığ-Keban-İbolar, 888 m, 16.07.2007, 1♂; Hatay-Reyhanlı-D.Ü.C., 160 m, 29.06.1980, 1♀; Kayseri-Bağpınar, 1100 m, 14.09.2006, 1♀, 1♂; Kırklareli-Vize, 150 m, 25.08.1992, 2♀♀; Malatya-Sultansuyu Harası, 881 m, 05.07.2007, 1♀; Yazıhan, Surur, 710 m, 08.06.2008, 1♀; Ordu-Akkuş-Yukarıdüğencili, 1340 m, 05.07.2003, 1♂; Korgan-Belalan, 1040 m, 31.08.2003, 1♂; Tekirdağ-Hayrabolu, 90 m, 26.08.1992, 1♀; Karacaali, 120 m, 25.06.2003, 1♂; Tokat-Kemalpaşa, 665 m, 30.06.2004, 1♀; Trabzon-Maçka-Dikkaya, 1016 m, 05.08.2005, 1♂; Maçka-Hamsiköy, 1400 m, 05.08.2005, 2♀♀; Tunceli-Merkez, Aktuluk, 941 m, 27.08.2008, 3♀♀; Pülümür, Kangallı, 1345 m, 14.06.2008, 1♀.

Opius (Phaedrotoma) diversiformis (Fischer, 1960)

Material examined: Kırşehir-Özbağ, 1036 m, 16.09.2006, 1♀; Tekirdağ-Hayrabolu, 90 m, 26.08.1992, 1♂; Aksaray-Ihlara-Yaprakhisar, 1354 m, 11.09.2006, 2♀♀; Edirne-Süleoğlu, 210 m, 07.06.1987, 1♀; Malatya-Darende, 1653 m, 13.07.2007, 1♀; Darende, Gümüşdere, 1377 m, 30.08.2008, 1♀.

Opius (Phaedrotoma) exigua (Wesmael, 1835)

Material examined: Amasya-Kale, 260 m, 07.04.2004, 1♀; Artvin-Yusufeli-Sarıgöl, 850 m, 04.09.2004, 1♀; Bartın-Amasra-Kalaycı, 15 m, 27.05.2007, 3♀♀; Bartın-Kurucaşile-Danişment, 126 m, 27.05.2007, 2♂♂, 3♀♀; Bayburt-Merkez, 1550 m, 07.08.2005, 1♀; Diyarbakır-Çınar, Şükürlü, 660 m, 06.05.2003, 1♀; Elazığ-Baskil-Hacımustafa, 1440 m, 04.06.2007, 2♀♀; Elazığ-Keban-İbolar, 888 m, 16.07.2007, 1♀; Eskişehir-Kaymaz, 450 m, 10.07.2007, 1♀; Gümüşhane-Şiran-Yeşilbük, 1434 m, 29.08.2004, 1♀; Kayseri-Yeşilhisar-Kuşçu, 1056 m, 15.09.2006, 1♀; Malatya-Battalgazi, 650 m, 10.06.2008, 1♀; Çiftlik, 965 m, 03.06.2007, 1♀, 1♂; Mardin-Kayacan-Kabala, 600 m, 09.10.2002, 2♀♀; Mardin-Mazıdağı-Derecik, 1100 m, 23.10.2002,

1♀; Ordu-Korgan-Belalan, 1040 m, 31.08.2003, 1♀, 1♂; Sivas-Koyulhisar, 694 m, 01.07.2004, 1♀; Zara, Kılınclar Dinlenme Tesisleri, 1340 m, 22.08.2008, 1♀; Tokat-Almus-Çilhane, 830 m, 02.09.2003, 1♀; Tokat-Kemalpaşa, 665 m, 30.06.2004, 1♂, 1♀; Tokat-Sivas-Koyulhisar, 530 m, 03.09.2003, 2♀♀; Trabzon-Maçka-Hamsiköy, 1400 m, 05.08.2005, 2♀♀; Maçka-Şolma Yaylası, 1677 m, 06.08.2005, 1♂; Tunceli-Merkez, Aktuluk, 941 m, 27.08.2008, 1♀; Zonguldak-Çukurören, 148 m, 29.06.2001, 1♀.

*** *Opius (Phaedrotoma) mirabunda (Papp, 1982)***

Material examined: Nevşehir-Gülşehir-Gülyeri, 910 m, 12.09.2006, 1♀.

Opius (Phaedrotoma) pulchriiventris (Fischer, 1958)

Material examined: Aksray-Ihlara-Yaprakhisar, 1354 m, 11.09.2006, 1♀; Amasya-Fındıklı, 380 m, 03.09.2003, 1♀; Kale, 260 m, 07.04.2004, 2♂♂; Malatya-Sultansuyu, 900 m, 14.07.2007, 2♀♀; Nevşehir-Avanos-Saruhan, 958 m, 13.09.2006, 1♂; Ürgüp, 1082 m, 13.09.2006, 1♂; Ürgüp-Üzengi, 1056 m, 13.09.2006, 1♀; Sivas-Ulaş-Yağdonduran, 1630 m, 01.06.2007, 1♂; Tokat-Almus-Çilhane, 830 m, 02.09.2003, 1♀; Sivas-Koyulhisar, 530 m, 30.06.2004, 2♀♀; Yozgat-Şefaati-Karanlıkdere, 840 m, 29.05.2007, 1♂.

Opius (Phaedrotoma) seiunctus (Fischer, 1959)

Material examined: Kırşehir-Hirfanlı Barajı, 990 m, 28.04.2001, 1♂.

Opius (Phaedrotoma) scaptomyzae (Fischer, 1967)

Material examined: Kayseri-Bağpınar, 1100 m, 14.09.2006, 1♂; İncesu-Örenşehir, 1060 m, 14.09.2006, 1♀, 2♂♂; Pınarbaşı, Kızıldere, 1460 m, 06.06.2007, 1♂.

*** *Opius (Phaedrotoma) variegata (Szépligeti, 1896)***

Material examined: Ankara-Sungurlu, 890 m, 28.05.2002, 1♀; Artvin-Yusufeli-Küplüce, 850 m, 04.09.2004, 1♀; Kırşehir-Kaman-Darıözü, 1230 m, 16.09.2006, 2♀♀; Trabzon-Akçaabat, 20 m, 04.08.2005, 2♀♀.

Biology: Attracted to light.

Subgenus *Rhogadopsis* Brèthes, 1913

***Opius (Rhogadopsis) parvungula* Thomson, 1895**

Material examined: Artvin-Varlık, 675 m, 03.09.2004, 1♀; Giresun-Duruoğlu, 86 m, 05.07.2004, 2♂♂.

Subgenus *Snoflakopius* Fischer, 1972

****Opius (Snoflakopius) snoflaki* Fischer, 1959**

Material examined: Karaman, 998 m, 05.10.2002, 1♀; Sivas-Direkli, 1450 m, 13.05.2003, 1♀.

Subgenus *Utetes* Förster, 1862

***Opius (Utetes) coracinus* (Thomson, 1895)**

Material examined: Bartın-Amasra, Kurucaşile-Danişment, 129 m, 09.06.2002, 1♂; Çankırı-Ilgaz-Kale, 04.07.2001, 1♀; Karabük-Safranbolu-İnceçay-Sarıçiçek Dağı, 1700 m, 29.06.2001, 2♀♀; Kastamonu-Daday-Balıdağ-Sarpun, 1340 m, 01.07.2001, 1♂, 3♀♀; Ilgaz Dağı-Çatören, 1280 m, 03.07.2001, 1♂, 1♀; Sinop-Ayancık-Bakırlızaviye, 02.07.2001, 1♀.

****Opius (Utetes) magnus* (Fischer, 1958)**

Material examined Muğla-Köyceğiz Hamitköy Arası, 20 m, 03.11.2007, 2♀♀.

***Opius (Utetes) rotundiventris* (Thomson, 1895)**

Material examined: Erzurum-Aşkale, 1650 m, 23.06.2000, 1♀; Kayseri-Yemliha, 995 m, 15.09.2006, 1♀; Niğde-Bor-Çukurkuyu, 1080 m, 19.07.2007, 1♂.

Biology: Attracted to light.

****Opius (Utetes) propecoracinum* (Fischer, 1999)**

Material examined: Giresun, Dereli, Kümbet, 1756 m, 05.07.2004, 3♀♀.

****Opius (Utetes) testaceus* (Wesmael, 1838)**

Material examined: Tokat-Almus, Çilhan, 830 m, 02.09.2003, 2♀♀.

****Opius (Utetes) truncatus* (Wesmael, 1835)**

Material examined: Artvin-Şavşat-Sulanat, 1650 m, 30.06.2005, 1♂; Rize-Ardeşen-Duygulu, 140 m, 27.06.2005, 1♀.

Subgenus *Xynobius* Förster, 1862

****Opius (Xynobius) macrocerus* (Thomson, 1895)**

Material examined: Bartın-Merkez, 20 m, 09.06.2002, 1♂; Kurucaşile-Danişment, 126 m, 09.06.2002, 2♂♂; Trabzon-Uzungöl-Çaykara, 275 m, 04.08.2005, 1♀.

****Opius (Xynobius) aciculatus* (Thomson, 1895)**

Material examined: Bolu-Aladağ, Kökez, 1650 m, 27.08.2002, 1♂.

***Opius (Xynobius) curtifemur* (Fischer, 1961)**

Material examined: Malatya-Doğanşehir-Polatdere, 1200 m, 02.06.2007, 1♂.

****Opius (Xynobius) decoratus* (Stelfox, 1949)**

Material examined: Malatya-Çiftlik, 965 m, 03.06.2007, 1♂.

***Opius (Xynobius) rudis* (Wesmael, 1835)**

Material examined: Afyon-Bayat, Köroğlu, 1250 m, 29.06.1998, 1♂; Amasya-Merzifon, 510 m, 04.07.2004, 1♀; Bolu-Aladağ-Kökez, 1000 m, 27.08.2002, 1♂; Kastamonu-Küre-Ersizlerdere, 1560 m, 12.06.2002, 1♀, 1♂; Kırklareli, Baydayağı, 190 m, 21.04.2001, 1♂; Konya-Kulu, 989 m, 22.04.2001, 2♀♀; Nevşehir-Gülşehir-Gümüşkent, 1290 m, 07.06.2007, 1♀; Tokat-Almus-Çilhan, 830 m, 02.09.2003, 1♂; Yozgat-Şefaati-Karanlıkdere, 840 m, 29.05.2007, 1♀.

****Opius (Xynobius) thomsoni* (Fischer, 1971)**

Material examined: Giresun-Duruoğlu, 86 m, 05.07.2004, 1♂.

Genus *Psytalia* Walker, 1860

***Psytalia (Psytalia) concolor* (Szépligeti, 1910)**

Material examined: Eskişehir-Kaymaz, 450 m, 10.07.2007, 1♀; Bartın-Merkez, 20 m, 09.06.2002, 1♂; Bartın-Kurucaşile-Danişment, 130 m, 09.06.2002, 4♂♂; Tokat-Almus-Gümelönü, 800 m, 02.09.2003, 1♂; Tokat-Niksar, Çamiçi, 1120 m, 01.09.2003, 1♀.

Biology: Attracted to light.

Discussion

In this study 116 species of the genera *Atormus* van Achterberg, *Biosteres* Förster, *Bitomus* Szépligeti, *Diachasmimorpha* Viereck, *Eurytenes* Wesmael, *Opius* Wesmael, and *Psytalia* Walker were recorded from different localities of Turkey and 45 of these species are new records for Turkish fauna.

The distribution of these species in the adjacent countries were recorded as: 58 in Russia, 35 in Bulgaria, 22 in Greece, 8 in Georgia (in the Caucasus), and 3 in Iran. To date, these species have not yet been recorded in Iraq and Syria.

According to their zoogeographic regions, the distribution of the species are as follows: 45 species in the Palaearctic region, 45 species in the western Palaearctic region, 6 species in the eastern Palaearctic region, 6 species in the Holarctic region, 1 species in the Holarctic and Orientalic regions, 3 species in the Palaearctic and Orientalic regions, 1 species in the

Palaearctic and Ethiopic regions, and 1 species in the Palaearctic, Ethiopic, and Orientalic regions. The distributional pattern of the species according to the phytogeographic provinces of Turkey (Figure) is as follows: 57 species in Euxin Province, 60 species in the Subeuxin Province, 11 species in the Mediterranean Province, 41 species in the Kseroeuxin Province, 29 species in the Iranian Steppe Province, 1 species in the Anatolian Steppe Province, and 5 species in the Mesopotamian Steppe Province.

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