



**A CHECKLIST OF TURKISH NEUROPTERAN SPECIES (INSECTA:  
NEUROPTERA) WITH REMARKS ON PROVINCIAL DISTRIBUTION  
IN TURKEY**

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**Abstract** - A checklist of Turkish neuropteran species is given with annotations on provincial distribution in Turkey. The list is prepared on the basis of records in relevant articles. The order Neuroptera is represented by 203 species and 4 subspecies in Turkey.

**KEY WORDS:** Checklist, Neuroptera, Turkey

**Izveček – SEZNAM TURŠKIH MREŽEKRILCEV (INSECTA: NEUROPTERA)  
Z OPOMBAMI O POKRAJINSKI RAZŠIRJENOSTI V TURČIJI**

Seznam turških vrst mrežekrilcev je podan z opombami o razširjenosti po pokrajinah v Turčiji. Seznam je pripravljen na osnovi podatkov v ustreznih člankih. Red Neuroptera je v Turčiji zastopan z 203 vrstami in 4 podvrstami.

**KLJUČNE BESEDE:** Seznam vrst, Neuroptera, Turčija

**Introduction**

Lacewings belong to one of the most important groups of insects because of their significant role in integrated pest management as predators of aphids, mites, and several other agricultural pests (Ghahari et al., 2010). However, their distribution and biology are still poorly known.

Several scientists studied the Turkish neuropteran fauna during the 19th and early 20th centuries. As a result of their expeditions, large numbers of Turkish specimens are preserved in several of larger European collections. Turkish researchers started to study neuropteran fauna after 1980s, and began to make important contributions to

the knowledge of this fauna (Aspöck et al, 1965a; 1965b; 1967; 1969; 1978; Hölzel, 1967a; 1967b; 1972a; 1972b; 1978; Şengonca, 1979; 1980a; 1980b; 1981a; 1981b; Canbulat & Kıyak, 2002a; 2002b; 2003a; 2003b; 2005a; 2005b; Canbulat, 2007a; 2007b; 2007c; Dobosz, 2007a; 2007b; Canbulat & Oğuz, 2013a; 2013b; Koçak & Kemal, 2008a; 2008b; Kovancı & Kovancı, 2007).

The last major revisional work on the neuropteran fauna of Turkey (Canbulat, 2007b) contains 193 species and 6 subspecies. Since then, S. Canbulat, A. Satar and A. Koçak have contributed several new records to the Turkish fauna. The continuation of current study will result in further increases in the number of known species and in a deeper understanding of their habitats and distributions in the future.

203 species and 4 subspecies in 65 genera and 11 families are listed for Turkey in the present study. The numbers by families are as follows: Ascalaphidae 14, Berothidae 2, Chrysopidae 52, Coniopterygidae 27, Dilaridae 2, Hemerobiidae 31, Mantispidae 4, Myrmeleontidae 56, Nemopteridae 13, Osmylidae 4, and Sisyridae 1.

## List of species

### Order: Neuroptera

#### Family: Ascalaphidae Lefébvre, 1842

##### 1. *Bubopsis andromache* U. Aspöck, H. Aspöck & H. Hölzel, [1979]

Antalya, Bursa and Mersin (Aspöck et al., 1978), Çanakkale (Letardi, 1991), Eskişehir, Hatay, Burdur (Kačirek, 1998), İzmir (Popov, 2004), Adana (Arı & Kıyak, 2000; Popov, 2004), Isparta and Muğla (Canbulat & Kıyak, 2005b).

##### 2. *Bubopsis hamatus* (Klug, 1834)

Adana, İzmir, Mersin, and Şanlıurfa (Şengonca, 1979), Çanakkale (Canbulat & Kıyak, 2002a), Diyarbakır, Mardin and Siirt (Satar & Özbay, 2004), Van (Canbulat, 2007b).

##### 3. *Bubopsis zarudnyi* Alexandrova – Martynova, 1926

Diyarbakır (Satar & Özbay, 2002).

##### 4. *Deleproctophylla australis* (Fabricius, 1787)

Edirne (Popov, 1977).

##### 5. *Deleproctophylla dusmeti* Navás, 1914

Iğdır and Kars (Arı et al., 2008), Denizli, Isparta, and Muğla (Canbulat & Kıyak, 2005b).

##### 6. *Deleproctophylla variegata* (Klug, 1834)

Ardahan, Kars (Arı et al., 2008), Antalya, Burdur, Denizli, and Isparta (Canbulat & Kıyak, 2005b).

##### 7. *Iranoidricerus iranensis* (Kimmins, 1938)

Van (Kemal & Koçak, 2006; Canbulat, 2007b).

**8. *Libelloides jungei* Aistleitner, 1982**

Antalya (Aistleitner, 1982; Canbulat, 2007b; Sziráki, 1998).

**9. *Libelloides lacteus* (Brullé, 1832)**

Ankara (Kıyak & Özdikmen, 1993), Nevşehir (Kačirek, 1998), Isparta, Muğla (Canbulat & Kıyak, 2005b), Antalya (Popov, 2004).

**10. *Libelloides macaronius* (Scopoli, 1763)**

Kayseri, Niğde (Kačirek, 1998), Çanakkale (Canbulat & Kıyak, 2002a), Antalya, Burdur, Isparta, (Canbulat & Kıyak, 2005b), and Ardahan (Ari et al., 2008).

**11. *Libelloides syriacus* (McLachlan, 1871)**

Hakkari (Şengonca, 1979), Hatay (Sziráki, 1988; Canbulat, 2007).

**12. *Libelloides rhomboideus rhomboideus* (Schneider, 1845)**

Ankara and Hatay (Kačirek, 1998), Çanakkale (Canbulat & Kıyak, 2002a), Antalya, Aydın, Burdur, Denizli, Isparta, and Muğla (Canbulat & Kıyak, 2005b).

**13. *Libelloides ustulatus* (Eversmann, 1850)**

Samsun, and Trabzon (Canbulat, 2007b)

**14. *Ptyngidricerus albardanus albardanus* (McLachlan, 1891)**

Mardin (McLachlan, 1891), Bitlis, Malatya, and Van (Canbulat, 2007b)

**Family: Berothidae Handlirsch, 1908**

**15. *Isoscelipteron fulvum* Costa, 1863**

Bursa (Brauer, 1864; Aspöck & Aspöck, 1980), Konya (Esben – Petersen, 1933), Kahramanmaraş (Şengonca, 1978), Antalya (Monserrat & Hölzel, 1987), Bursa, Elazığ, İzmir, Mersin (Aspöck, 1987), Burdur, and Denizli (Canbulat & Kıyak, 2005b).

**16. *Nyrma kervillea* Navás, 1933**

İzmir (Navás, 1933), Muş (Aspöck & Aspöck, 1979), and Şanlıurfa (Aspöck, 1989).

**Family: Chrysopidae Schneider, 1851**

**17. *Brinckochrysa amseli* (Hölzel, 1967)**

Adana (Şengonca, 1981a), Kahramanmaraş (Ari & Kıyak, 2000), Iğdır (Ari et al., 2007a).

**18. *Brinckochrysa chlorosoma* (Navás, 1914)**

Southeast Anatolia (Aspöck et al., 2001).

**19. *Chrysopidia ciliata* (Wesmael, 1841)**

Kahramanmaraş (Şengonca, 1981a), Iğdır (Ari et al., 2007a).

**20. *Chrysopa abbreviata* Curtis, 1834**

Muğla (Schneider, 1845), Kars (Ari et al., 2007a).

**21. *Chrysopa astarte* Hölzel, 1967**

Anadolu (Şengonca, 1981a), Kars (Arı et al., 2007a)

**22. *Chrysopa curdica* Hölzel, 1967**

Van (Hölzel, 1967b; Şengonca, 1981a), Kars (Arı et al., 2007a)

**23. *Chrysopa dorsalis* Burmeister, 1839**

Middle Anatolia (Aspöck & Aspöck, 1969), Mersin (Hölzel, 1967a; Şengonca, 1981a), Ankara (Kıyak & Özdikmen, 1993), Antalya, Burdur, Denizli, Muğla (Canbulat & Kıyak, 2005), Ardahan, Kars (Arı et al., 2007a), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b)

**24. *Chrysopa dubitans* McLachlan, 1887**

Mersin (Hölzel, 1965; 1967), Adana (Popov, 1977), Antalya, Denizli, Hatay, İzmir, Mardin, Siirt (Şengonca, 1980a, 1981a), Çanakkale (Canbulat & Kıyak, 2000), Kahramanmaraş (Bahadıroğlu & Daymaz, 2001), Mardin (Satar & Özbay, 2004; Özgen et al., 2012), Ardahan, and Kars (Arı et al., 2007a).

**25. *Chrysopa formosa* Brauer, 1851**

Kayseri (Hölzel, 1967; Canbulat & Kıyak, 2002b), Middle and South Anatolia (Aspöck & Aspöck, 1969), Amasya, Ankara, Isparta, İstanbul, İzmir, Kayseri (Şengonca, 1981a), Adana (Arı & Kıyak, 2000), Kahramanmaraş (Bahadıroğlu & Daymaz, 2001), Edirne (Onar & Aktaç, 2002), Kırşehir (Canbulat & Özsaraç, 2004), Antalya, Burdur, Denizli, Muğla (Canbulat & Kıyak, 2005b), Ardahan, Kars (Arı et al., 2007a), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b)

**26. *Chrysopa fuscostigma* Esben – Petersen, 1933**

Anatolia (Aspöck & Aspöck, 1996; Aspöck et al., 2001).

**27. *Chrysopa hungarica* Klapálek, 1899**

Middle and South Anatolia (Aspöck & Aspöck, 1969), Yozgat (Aspöck et al., 1980), Tokat, Konya (Hölzel, 1967a), Afyon, Ankara, Bursa, Denizli, Mersin (Şengonca, 1981a), Kahramanmaraş (Bahadıroğlu & Daymaz, 2001), Kırşehir (Canbulat & Özsaraç, 2004), Isparta (Canbulat & Kıyak, 2005b), and Bursa (Kovancı & Kovancı, 2007).

**28. *Chrysopa nigrescens* Hölzel & Ohm, 1986**

Mersin (Hölzel & Ohm, 1986), Antalya (Canbulat & Kıyak, 2005b).

**29. *Chrysopa nigricostata* Brauer, 1851**

East Anatolia (Aspöck & Aspöck, 1969; Şengonca, 1981a), Edirne (Onar & Aktaç, 2002), Isparta (Canbulat & Kıyak, 2005b), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

**30. *Chrysopa pallens* (Rambur, 1838)**

Nevşehir (Tuatay et al., 1972), Ankara (Popov, 1977), İazmir (Şengonca, 1979), Adana, Ankara, İstanbul, Kahramanmaraş, Mersin (Şengonca, 1981a), Edirne (Onar & Aktaç, 2002), Burdur, Denizli, Isparta, Muğla, (Canbulat & Kıyak, 2005b), Ardahan, Kars (Arı et al., 2007a), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**31. *Chrysopa perla* (Linnaeus, 1758)**

Kayseri (Hölzel, 1967a), Middle Anatolia (Aspöck & Aspöck, 1969), Ankara (Şengonca, 1981a), dirne (Onar & Aktaç, 2002), Ardahan (Arı et al., 2007a), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), and Çorum Canbulat & Oğuz, 2013b).

**32. *Chrysopa phyllochroma* Wesmael, 1841**

Konya (Esben – Petersen, 1933).

**33. *Chrysopa viridana* Schneider, 1845**

Kahramanmaraş (Hölzel, 1967a; Bahadıroğlu & Daymaz, 2001), East Anatolia (Aspöck & Aspöck, 1969), Antalya (Gepp, 1974), Ankara, Denizli, Mersin (Şengonca, 1981a), Edirne (Onar & Aktaç, 2002), Aydın, Burdur, Denizli, Isparta, Muğla (Canbulat & Kıyak, 2005b), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**34. *Chrysopa walkeri* McLachlan, 1893**

East Anatolia (Şengonca, 1981a), Antalya (Canbulat & Kıyak, 2005b), and Ardahan (Arı et al., 007a).

**35. *Chrysopa wagneri* Esben – Petersen, 1932**

Konya (Esben – Petersen, 1933).

**36. *Chrysoperla carnea* (Stephens, 1836)**

Ankara (Navás, 1926), Konya (Esben – Petersen, 1933), Nevşehir, Niğde (Tuatay et al., 1972), Antalya, Van (Gepp, 1974), Adana (Popov, 1977; Arı & Kıyak, 2000), Adıyaman, Ağrı, Amasya, Artvin, Aydın, Bitlis, Burdur, Çanakkale, Diyarbakır, Erzurum, Gaziantep, Hakkari, İstanbul, İzmir, Kahramanmaraş, Malatya, Mardin, Mersin, Samsun, Siirt, Şanlıurfa, Şırnak, Tokat, Trabzon, Van (Şengonca, 1980; Canbulat & Kıyak, 2005b), Konya (Monserrat & Hölzel, 1987), Ankara (Kıyak & Özdikmen, 1993), Çanakkale (Canbulat & Kıyak, 2000), Kayseri (Canbulat, 2002) Edirne (Onar & Aktaç, 2002), Batman, Diyarbakır, Mardin, (Satar & Özbay, 2004), Kırşehir (Canbulat & Özsaraç, 2004), Elazığ (Özbay et al., 2005), Ardahan, Iğdır, Kars (Arı et al., 2007a), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**37. *Chrysoperla lucasina* (Lacroix, 1912)**

Konya (Esben – Petersen, 1933).

**38. *Chrysoperla mutata* (McLachlan, 1898)**

Anatolia (Aspöck et al., 1980, 2001; Canard & Laudeho, 1977).

**39. *Chrysoperla rotundata* (Navás, 1929)**

İzmir (Şengonca, 1981a).

**40. *Chrysotropia ciliata* (Navás, 1911)**

North Anatolia (Aspöck et al., 2001) and Tokat (Canbulat & Oğuz, 2013a).

**41. *Cunctochrysa albolineata* (Killington, 1935)**

Elaziğ (Hölzel, 1967a), Middle and South Anatolia (Aspök & Aspöck, 1969), Ankara (Şengonca, 1981), Kahramanmaraş (Bahadıroğlu & Daymaz, 2001), Bursa (Kovancı & Kovancı, 2007), and Ardahan (Arı et al., 2007a).

**42. *Cunctochrysa baetica* (Hölzel, 1972)**

Tokat, Ankara (Hölzel, 1972; Şengonca, 1981a), Isparta (Canbulat & Kıyak, 2005b), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

**43. *Hypochrysa elegans* (Burmeister, 1839)**

Middle and South Anatolia (Aspöck & Aspöck 1969a; Şengonca, 1981a), Bursa (Kovancı & Kovancı, 2007), Antalya, and Denizli (Canbulat & Kıyak, 2005b).

**44. *Italochrysa italica* (Rossi, 1790)**

Konya (Hölzel, 1967a), East Anatolia (Aspöck & Aspöck, 1969), İzmir, Mersin (Şengonca, 1981a), Ankara (Kıyak & Özdikmen, 1993), Çanakkale (Canbulat & Kıyak, 2000); Kahramanmaraş (Arı & Kıyak, 2000), Adıyaman (Satar & Özbay, 2004), Isparta, Aydın, Muğla (Canbulat & Kıyak, 2005b), Iğdır, (Arı et al., 2007a), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**45. *Italochrysa vartianorum* Hölzel, 1967**

Kahramanmaraş (Hölzel, 1967) and Mersin (Şengonca, 1980).

**46. *Nineta carinthiaca* (Hölzel, 1965)**

Northeast Anatolia (Şengonca, 1980), Mersin (Şengonca 1981a), Ankara (Kıyak & Özdikmen, 1993), Bursa (Kovancı & Kovancı, 2007), and Arhadan (Arı et al., 2007a).

**47. *Nineta flava* (Scopoli, 1763)**

East Anatolia (Aspöck & Aspöck, 1969), Van (Gepp, 1974; Şengonca, 1980a), Adana (Şengonca, 1981a), Bursa (Kovancı & Kovancı, 2007), and Çorum (Canbulat & Oğuz, 2013b).

**48. *Nineta gevnensis* Canbulat & Kıyak, 2003**

Konya (Canbulat & Kıyak, 2003b).

**49. *Nineta pallida* (Schneider, 1846)**

Isparta (Canbulat & Kıyak, 2002b; 2005b), Bursa (Kovancı & Kovancı, 2007), and Arhadan (Arı et al., 2007a).

**50. *Nineta principiae* Monserrat, 1980**

Samsun (Aspöck et al., 1980), Isparta (Canbulat & Kıyak, 2005b), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**51. *Nothochrysa fulviceps* (Stephens, 1836)**

Isparta (Canbulat & Kıyak, 2004) and Bursa (Kovancı & Kovancı, 2007).

**52. *Nothochrysa turcica* (Kovancı & Canbulat, 2007)**

Bursa (Kovancı & Canbulat, 2007a).

**53. *Peyrimhoffina gracilis* (Schneider, 1851)**

Artvin, Bursa (Aspöck et al. 1980), Antalya, Isparta (Canbulat & Kıyak, 2005b), Bursa (Kovancı & Kovancı, 2007), Arhadan (Arı et al., 2007), and Tokat (Canbulat & Oğuz, 2013a).

**54. *Pseudomallada clathratus* (Schneider, 1845)**

Elazığ (Hölzel, 1967a), İzmir, Mersin (Şengonca, 1981a), Edirne (Onar & Aktaç, 2002), Antalya, Burdur, Bursa, Denizli, Isparta, Muğla (Canbulat & Kıyak, 2005b), Bursa (Kovancı & Kovancı, 2007), and Çorum (Canbulat & Oğuz, 2013b).

**55. *Pseudomallada flavifrons* (Brauer, 1850)**

Middle Anatolia (Aspöck & Aspöck, 1969), Ankara, Mardin, Ankara (Şengonca, 1981a), Çanakkale (Canbulat & Kıyak, 2000), Adana (Arı & Kıyak, 2000), Kahramanmaraş (Bahadıroğlu & Daymaz, 2001), Kayseri (Canbulat & Kıyak, 2002b), Edirne (Onar & Aktaç, 2002), Adıyaman, Diyarbakır, Mardin, Siirt, Şırnak (Satar & Özbay, 2004), Elazığ (Özbay et al., 2005), Antalya, Aydın, Burdur, Denizli, Isparta, Muğla (Canbulat & Kıyak, 2005b), Bursa (Kovancı & Kovancı, 2007), Mardin (Özgen et al., 2012), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**56. *Pseudomallada geneti* (Rambur, 1842)**

Çanakkale, İzmir, Mersin (Şengonca, 1980, 1981a), Antalya, and Denizli (Canbulat & Kıyak, 2005).

**57. *Pseudomallada hadimensis* Canbulat & Kıyak, 2005**

Konya (Canbulat & Kıyak, 2005a).

**58. *Pseudomallada inornatus* (Navás, 1901)**

Edirne (Onar & Aktaç, 2002) and Bursa (Kovancı & Kovancı, 2007).

**59. *Pseudomallada prasinus* (Burmeister, 1839)**

Edirne (Gepp 1974; Onar & Aktaç, 2002), Ankara (Popov, 1977), Edirne, Hakkari, Hatay, Kahramanmaraş, Mardin, Samsun, Adana (Şengonca, 1980a, 1981a), Aydın, Konya (Monserrat & Hölzel 1987), Adana (Arı & Kıyak, 2000), Çanakkale (Canbulat & Kıyak, 2000), Kahramanmaraş (Bahadıroğlu & Daymaz, 2001), Kayseri (Canbulat & Kıyak, 2002b); Kırşehir (Canbulat & Özseraç, 2004); Adıyaman, Şanlıurfa, Batman, Diyarbakır, Mardin, Siirt (Satar & Özbay, 2004), Elazığ (Özbay et al., 2005), Antalya, Burdur, Isparta, Denizli, Aydın, Muğla (Canbulat & Kıyak, 2005b), Kars, Arhadan, Iğdır (Arı et al., 2007a), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**60. *Pseudomallada subflavifrons* (Tjeder, 1949)**

Gülden in Anatolia (Hölzel, 1967a), Edirne (Gepp, 1974), Adana, Antakya, Hakkari, Kahramanmaraş, Mardin, Mersin, Samsun (Şengonca, 1981a), Kars, and Arhadan (Arı et al., 2007a).

**61. *Pseudomallada sybariticus* (McLachlan, 1875)**

Van (Gepp 1974; Şengonca, 1981a).

**62. *Pseudomallada venosus* (Rambur, 1838)**

Mardin (Hölzel, 1967a; Şengonca, 1981a), Diyarbakır (Satar & Özbay, 2004), and Iğdır (Arı et al., 2007).

**63. *Pseudomallada ventralis* (Curtis, 1834)**

Arhadan (Arı et al., 2007a)

**64. *Pseudomallada zelleri* (Schneider, 1851)**

Mersin (Hölzel, 1967a), Aydın, Ankara, Mersin, Isparta (Şengonca, 1981a), Çanakkale (Canbulat & Kıyak, 2000), Adana (Arı & Kıyak, 2000), Kayseri (Canbulat & Kıyak, 2002b), Edirne (Onar & Aktaç, 2002), Antalya, Burdur, Isparta, Denizli, Muğla (Canbulat & Kıyak, 2005b), Kars, Arhadan (Arı et al., 2007a), Bursa (Kovancı & Kovancı, 2007), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

**65. *Rexa raddai* (Hölzel, 1966)**

Bilecik (Hölzel, 1966; Şengonca, 1981a), Ankara (Kıyak & Özdikmen, 1993), Adana (Arı & Kıyak, 2000), Bursa (Kovancı & Kovancı, 2007), and Muğla (Canbulat & Kıyak, 2005b).

**66. *Suarius caviceps* (McLachlan, 1898)**

Konya (Esben-Petersen, 1933).

**67. *Suarius nanus* (McLachlan, 1893)**

Adana (McLachlan, 1893), Konya (Hölzel, 1965), Mardin (Hölzel 1967a), Mersin, Mardin, Konya, Ankara, Denizli, Malatya, Elazığ, Isparta, İzmir (Hölzel 1978; Şen-



gonca, 1981a), Antalya, Burdur, Isparta, Denizli, Aydın, Muğla (Canbulat & Kıyak, 2005b), and Kars (Ari et al., 2007).

**68. *Suarius vanensis* (Hölzel, 1967)**

Van (Hölzel, 1967b; Şengonca, 1981a).

**69. *Suarius vartianae* (Hölzel, 1967)**

East Anatolia (Aspöck et al., 2001).

**Family: Coniopterygidae Burmeister, 1839**

**70. *Aleuropteryx loewi* Klapálek, 1894**

Anatolia (Aspöck et al., 1980, 2001) and Burdur (Canbulat & Kıyak, 2005b).

**71. *Aleuropteryx umbrata* Zelený, 1964**

Mersin (Aspöck & Aspöck, 1965a; 1965b; Meinander, 1972), Antalya (Monserrat & Hölzel, 1987), Isparta, Denizli, Aydın (Canbulat & Kıyak, 2005b), and Çorum (Canbulat & Oğuz, 2013b).

**72. *Coniopteryx (Coniopteryx) borealis* Tjeder, 1931**

Sinop (Canbulat, 2013a).

**73. *Coniopteryx (Coniopteryx) pygmaea* Enderlein, 1906**

Anatolia (Aspöck et al., 2001), Mersin (Meinander, 1972), Antalya (Monserrat & Hölzel, 1987), Isparta, Denizli, Aydın (Canbulat & Kıyak, 2005b), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**74. *Coniopteryx (Coniopteryx) tineiformis* Curtis, [1834]**

North Anatolia (Aspöck, 1969a).

**75. *Coniopteryx (Holoconiopteryx) drammonti* Rousset, 1964**

Anatolia (Aspöck et al., 1980, 2001; Popov, 1986b), and Tokat (Canbulat & Oğuz, 2013a).

**76. *Coniopteryx (Holoconiopteryx) haematica* McLachlan, 1868**

North Anatolia (Aspöck et al., 1980; Aspöck & Hölzel, 1996; Popov, 1986b), and Amasya (Canbulat & Oğuz, 2013b).

**77. *Coniopteryx (Metaconiopteryx) arcuata* Kis, 1965**

East and Middle Black Sea region (Monserrat, 1979), Bolu, Ankara, Tokat (Aspöck & Aspöck, 1969a), and Tokat (Canbulat & Oğuz, 2013a).

**78. *Coniopteryx (Metaconiopteryx) esbenpeterseni* Tjeder, 1930**

Middle and Northeast Anatolia (Aspöck & Aspöck, 1969a), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

- 79. *Coniopteryx (Metaconiopteryx) lentiae* H. Aspöck & U. Aspöck, 1964**  
South Anatolia (Aspöck & Aspöck, 1969a), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).
- 80. *Coniopteryx (Metaconiopteryx) tjederi* Kimmins, 1934**  
Mersin (Aspöck & Aspöck, 1965a, 1965b), South Anatolia (Aspöck & Aspöck, 1969a).
- 81. *Coniopteryx (Xeroconiopteryx) atlasensis* Meinander, 1963**  
Mersin and Van (Gepp, 1974).
- 82. *Coniopteryx (Coniopteryx) loipetsederi* H. Aspöck, 1963**  
Düzce (Canbulat, 2013a).
- 83. *Conventzia pineticola* Enderlein, 1905**  
Black Sea region (Aspöck et al., 1980), Isparta, Denizli (Canbulat & Kıyak, 2005b), and Tokat (Canbulat & Oğuz, 2013a).
- 84. *Conventzia psociformis* (Curtis, [1834])**  
Middle Anatolia (Aspöck & Aspöck, 1969a; Aspöck et al., 1980), and Tokat (Canbulat & Oğuz, 2013a).
- 85. *Helicoconis aptera* Messner, 1965**  
Kayseri (Rausch et al., 1978).
- 86. *Helicoconis (Fontenelle) panticosa* Ohm, 1965**  
Artvin (Aspöck et al., 1980).
- 87. *Helicoconis (Helicoconis) hirtinervis* Tjeder, 1960**  
Middle Anatolia (Aspöck et al., 1980).
- 88. *Helicoconis (Helicoconis) sengonca* Rausch, H. Aspöck & U. Aspöck, 1978**  
Burdur and Kütahya (Rausch et al., 1978).
- 89. *Helicoconis (Ohmopteryx) pseudolutea* Ohm, 1965**  
Middle Anatolia (Aspöck & Aspöck, 1969a), Antalya, İzmir (Monserrat & Hölzel, 1987), Aydın, Isparta, Denizli (Canbulat & Kıyak, 2005b), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).
- 90. *Hemisemidalis pallida* (Withycombe, [1924])**  
Antalya, Aydın (Monserrat & Hölzel, 1987).
- 91. *Nimboa asadeva* Rausch & H. Aspöck, 1978**  
Anatolia (Meinander, 1990; Aspöck & Hölzel, 1996; Aspöck et al., 2001).

**92. *Nimboa kasyi* Rausch & H. Aspöck, 1978**

Sivas (Rausch & Aspöck, 1978).

**93. *Nimboa ressl*i Rausch & H. Aspöck, 1978**

Mersin (Aspöck & Aspöck, 1965a, Aspöck & Aspöck, 1965b) and Denizli (Canbulat & Kıyak, 2005b).

**94. *Parasemidalis fuscipennis* (Reuter, 1894)**

Kayseri (Canbulat, 2007a).

**95. *Semidalis alyrodiformis* (Stephens, 1836)**

Mersin (Aspöck & Aspöck, 1965a), Middle Anatolia (Aspöck & Aspöck, 1969a), İzmir (Tuatay et al., 1972), Mersin, Antalya (Gepp, 1974), İstanbul, Konya (Monserrat & Hölzel, 1987), Kırşehir (Canbulat & Öz Saraç, 2004), Antalya, Aydın, Burdur, Denizli, Muğla (Canbulat & Kıyak, 2005b), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**96. *Vartiana necopinata* H. Aspöck & U. Aspöck, 1965**

Anatolia (Aspöck et al., 2001).

**Family: Dilaridae Newman, 1853**

**97. *Dilar lineolatus* Navás, [1909]**

Bursa (Navás, 1909).

**98. *Dilar turcicus* Hagen, 1858**

Ankara (Kıyak & Özdikmen, 1993) and Antalya (Canbulat & Kıyak, 2005b).

**Family: Hemerobiidae Latreille, 1802**

**99. *Hemerobius (Hemerobius) contumax* Tjeder, 1932**

North and South Anatolia (Aspöck et al., 1980).

**100. *Hemerobius (Hemerobius) gilvus* Stein, 1863**

Ankara, Gaziantep, Konya, Samsun, Tokat (Aspöck & Aspöck, 1969a; Canbulat & Oğuz, 2013a), and Isparta (Canbulat & Kıyak, 2005b).

**101. *Hemerobius (Hemerobius) handschini* Linnaeus, 1758**

Middle and South Anatolia (Aspöck et al., 1980; Aspöck & Aspöck, 1969a), Antalya, Denizli, Isparta (Canbulat & Kıyak, 2005b), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**102. *Hemerobius (Hemerobius) humulinus* Linnaeus, 1758**

North Anatolia (Aspöck et al., 1980).

**103. *Hemerobius (Hemerobius) lutescens* Fabricius, 1793**

Middle Anatolia (Aspöck & Aspöck, 1969a), Kayseri (Canbulat, 2002), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

**104. *Hemerobius (Hemerobius) mican* Olivier, 1792**

The Northeast Anatolia (Aspöck et al., 1980), Isparta (Canbulat & Kıyak, 2005b), Kars, Ardahan (Arı et al., 2008), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**105. *Hemerobius (Hemerobius) nitidulus* Fabricius, 1777**

Middle Anatolia and West Black Sea region (Aspöck et al., (1980), Antalya, Aydın, Burdur, Denizli, Muğla (Canbulat & Kıyak, 2005b), Arhadan, Kars (Arı et al., 2008), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

**106. *Hemerobius (Hemerobius) pini* Stephens, 1836**

Northwest Anatolia (Aspöck et al., 1980).

**107. *Hemerobius (Hemerobius) simulans* Walker, 1853**

Anatolia (Aspöck et al., 2001).

**108. *Hemerobius (Hemerobius) stigma* Stephens, 1836**

North Anatolia (Aspöck et al., 2001), Arhadan (Arı et al., 2008), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

**109. *Hemerobius (Hemerobius) zernyi* Esben – Petersen, 1935**

Ankara, Osmaniye, Konya (Aspöck & Aspöck, 1966), Adıyaman (Şengonca, 1979), Ankara (Aspöck et al., 1980), Denizli, Isparta (Canbulat & Kıyak, 2005b), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

**110. *Megalomus tineoides* Rambur, 1842**

Middle and South Anatolia (Aspöck et al., 1980).

**111. *Megalomus tortricoides* Rambur, 1842**

Middle and North Anatolia (Aspöck & Aspöck, 1969a, Aspöck et al., 1980), Antalya, Burdur, Denizli, and Isparta, (Canbulat & Kıyak, 2005b).

**112. *Micromus angulatus* (Stephens, 1836)**

Isparta (Canbulat & Kıyak, 2004).

**113. *Micromus lanosus* (Zelený, 1962)**

Ardahan (Arı & Kıyak, 2003; Arı et al., 2008).

**114. *Micromus variegates* (Fabricius, 1793)**

Northeast Anatolia (Aspöck & Aspöck, 1969a; Aspöck et al., 1980).

**115. *Psectra diptera* (Burmeister, 1839)**

Ankara (Kıyak & Özdikmen, 1993).

**116. *Sympherobius (Niremberge) fuscescens* (Wallengren, 1863)**

Middle Anatolia (Aspöck & Aspöck, 1969a), Arhadan (Arı et al., 2008), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

**117. *Sympherobius (Niremberge) pellucidus* (Walker, 1853)**

Northeast Turkey (Aspöck et al., 1980).

**118. *Sympherobius (Sympherobius) elegans* (Stephens, 1836)**

Konya (Monserrat & Hölzel, 1987), Burdur (Canbulat & Kıyak, 2005b), and Tokat (Canbulat & Oğuz, 2013a).

**119. *Sympherobius (Sympherobius) fallax* Navás, [1908]**

Adana (Şengonca, 1979).

**120. *Sympherobius (Sympherobius) pygmaeus* (Rambur, 1842)**

Kahramanmaraş (Şengonca, 1979), Kırşehir (Canbulat & Özsaraç, 2004), Elazığ (Özbay et al., 2005), Antalya, Burdur, Denizli, Isparta (Canbulat & Kıyak, 2005b), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

**121. *Wesmaelius (Kimminsia) helveticus* (H. Aspöck & U. Aspöck, 1964)**

East Black Sea region (Aspöck et al., 1980).

**122. *Wesmaelius (Kimminsia) malladai* (Navás, 1925)**

Northeast Turkey (Popov, 1986a).

**123. *Wesmaelius (Kimminsia) mortoni mortoni* (McLachlan, 1899)**

Northeast of Turkey (Aspöck et al., 1980; Popov, 1986a; Hölzel & Weiser, 1999).

**124. *Wesmaelius (Kimminsia) navasi* (Andrén, 1911)**

Konya (Esben-Petersen, 1933), Gaziantep (Şengonca, 1979), and Isparta (Canbulat & Kıyak, 2005b).

**125. *Wesmaelius (Kimminsia) ravus* (Withycombe, 1923)**

Middle Anatolia (Aspöck & Aspöck, 1969a), Arhadan (Arı et al., 2008), and Çorum (Canbulat & Oğuz, 2013b).

**126. *Wesmaelius (Kimminsia) subnebulosus* (Stephens, 1836)**

Middle Anatolia (Aspöck & Aspöck, 1969a), İzmir, Kahramanmaraş, Mersin (Şengonca, 1979), Bursa (Monserrat & Hölzel, 1987), Kırşehir (Canbulat & Özsaraç, 2004), Elazığ (Özbay et al., 2005), Burdur, Isparta, Denizli (Canbulat & Kıyak, 2005b), Tokat (Canbulat & Oğuz, 2013a), and Amasya (Canbulat & Oğuz, 2013b).

**127. *Wesmaelius (Kimminsia) vaillanti* (Navás, 1927)**

Konya (Aspöck & Aspöck, 1966), Ankara (Aspöck et al., 1980).

**128. *Wesmaelius (Wesmaelius) concinnus* (Stephens, 1836)**

Northeast Turkey (Aspöck et al., 1980), Isparta (Canbulat & Kıyak, 2005b), Arhadan, and Kars (Arı et al., 2008).

**129. *Wesmaelius (Wesmaelius) quadrifasciatus* (Reuter, 1894)**

Anatolia (Aspöck et al., 2001) and Arhadan, (Arı et al., 2008).

**Family: Mantispidae Leach in Brewster, 1815****130. *Mantispa aphavexelte* H. Aspöck & U. Aspöck, 1944**

Bitlis (Aspöck, 1996), Antalya (Canbulat & Kıyak, 2005b), Kars (Arı et al., 2008), Tokat (Canbulat & Oğuz, 2013a), Bilecik, Kırklareli, Konya, Mersin, and Tunceli (Dobosz, 2007a).

**131. *Mantispa scabricollis* McLachlan, 1875**

Middle Anatolia (Aspöck & Aspöck, 1969a), İzmir, Mersin (Şengonca, 1979; 1980b), Aydın (Monserrat & Hölzel, 1987), Adana (Arı & Kıyak, 2000), Elazığ, Mardin (Satar & Özbay, 2004), Antalya, Aydın, Isparta, Muğla (Canbulat & Kıyak, 2005b), Adıyaman, Elazığ, Konya, Malatya, Mardin, Mersin (Dobosz, 2007a), Arhadan, Kars (Arı et al., 2008), Arhadan (Arı et al., 2008), and Çorum (Canbulat & Oğuz, 2013b).

**132. *Mantispa styriaca* (Poda, 1761)**

Kütahya (Şengonca, 1979; 1980b), Isparta, Konya, (Şengonca 1980b), Kırşehir (Canbulat & Özsaraç, 2004), Elazığ (Özbay et al., 2005), Antalya (Canbulat & Kıyak, 2005b), Ankara, Nevşehir, Konya, Kütahya, Mersin, Tunceli (Dobosz, 2007a), Arhadan (Arı et al., 2008), and Tokat (Canbulat & Oğuz, 2013a).

**133. *Sagittalata perla* (Pallas, 1772)**

Kütahya (Şengonca, 1979, 1980b), Bingöl (Aspöck et al., 1980), Denizli, Isparta (Canbulat & Kıyak, 2005b), Ankara, Erzurum, Kayseri (Dobosz, 2007a), Arhadan, Kars (Arı et al., 2008), and Tokat (Canbulat & Oğuz, 2013a).

**Family: Myrmeleontidae Latreille, 1802****134. *Acanhaclisis mesopotamica* Hölzel, 1972**

Siirt (Özgen et al., 2012).

**135. *Acanhaclisis occitanica* (Viller, 1789)**

Konya (Esben-Petersen, 1933; Hölzel, 1972a), Ankara, İzmir (Şengonca, 1979), Niğde (Kačirek, 1998), Adıyaman (Satar & Özbay, 2004), Isparta (Canbulat & Kıyak, 2005b), and Iğdır (Arı et al., 2007b).

**136. *Creoleon lugdunensis* (Viller, 1789)**

Nevşehir, Antalya (Gepp, 1974), Konya, Van (Hölzel, 1972a); Ankara, Adana, Edirne (Popov, 1977), and Çanakkale (Canbulat & Kıyak, 2002).

**137. *Creoleon plumbeus* (Olivier, 1811)**

Konya (Esben-Petersen, 1933), Adana, Hatay, Mersin, Osmaniye, Antalya, Şanlıurfa, İzmir (Şengonca, 1979), Ankara (Monserrat & Hölzel, 1987), Aydın (Kaçirek, 1998), Adana (Arı & Kıyak, 2000), Kayseri (Canbulat & Kıyak, 2002b), Çanakkale (Canbulat & Kıyak, 2002a), Adıyaman, Şanlıurfa, Batman, Diyarbakır, Mardin, Şırnak, Siirt (Satar & Özbay, 2004), Kırşehir (Canbulat & Özsaraç, 2004), Elazığ (Özbay et al., 2005), Antalya, Burdur, Isparta, Denizli, Aydın, Muğla (Canbulat & Kıyak, 2005b), Kars, Iğdır (Arı et al., 2007b), Tokat (Canbulat & Oğuz, 2013a), and Çorum (Canbulat & Oğuz, 2013b).

**138. *Cueta beieri* (Hölzel, 1969)**

İstanbul (Hölzel, 1969a), Adana (Popov, 1977; Aspöck et al., 1980), Osmaniye (Şengonca, 1979), Antalya (Monserrat & Hölzel, 1987), Hatay (Kaçirek, 1998), Kayseri (Canbulat & Kıyak, 2002b), Antalya, Isparta, Denizli, Aydın, Muğla (Canbulat & Kıyak, 2005b), Iğdır, and Kars (Arı et al., 2007b).

**139. *Cueta lineosa* (Rambur, 1842)**

Malatya (Hölzel, 1969a), Antalya (Gepp, 1974), Denizli (Monserrat & Hölzel, 1987), Mersin, (Şengonca, 1979), Elazığ (Özbay et al., 2005), Adıyaman, Diyarbakır (Satar & Özbay, 2004), Kırşehir (Canbulat & Özsaraç, 2004), Kayseri (Canbulat & Kıyak, 2002b), Antalya, Aydın, and Denizli (Canbulat & Kıyak, 2005b).

**140. *Delfimeus friedeli* (Hölzel, 1972)**

Kırıkkale (Hölzel, 1972a), Kırşehir (Canbulat & Özsaraç, 2004), Burdur, Isparta, and Muğla (Canbulat & Kıyak, 2005b).

**141. *Delfimeus irroratus* (Olivier, 1811)**

Konya (Esben-Petersen, 1933), Ankara, Isparta, Konya, Mersin (Hölzel, 1972a), Adana, Hatay (Kaçirek, 1998), Adana (Arı & Kıyak, 2000; Popov, 1977), Antalya, Denizli, Isparta (Canbulat & Kıyak, 2005b), Arhadan, Iğdır (Arı et al., 2007b), and Çorum (Canbulat & Oğuz, 2013b).

**142. *Delfimeus punctatus* Navás, 1914**

Southeast Turkey (Navás, 1914).

**143. *Dendroleon pantherinus* (Fabricius, 1787)**

Rize (Hölzel, 1972a) and Iğdır (Arı et al., 2007b).

**144. *Deutoleon turanicus* Navás, 1927**

Ardahan (Arı et al., 2007b).

**145. *Distoleon curdicus* Hölzel, 1972**

Ağrı, Erzurum, Gaziantep, Kayseri, Van (Hölzel, 1972a; Şengonca, 1979), and Ardahan (Arı et al., 2007b).

**146. *Distoleon kabulensis* Hölzel, 1972**

Elazığ (Hölzel, 1972a) and Kayseri (Canbulat, 2007a).

**147. *Distoleon laticollis* (Navás, 1913)**

Adana and Mersin (Şengonca, 1979).

**148. *Distoleon luteomaculatus* Hölzel, 1972**

Iğdır (Arı et al., 2007b).

**149. *Distoleon tetragrammicus* (Fabricius, 1798)**

Konya (Esben-Petersen, 1933), Aydın, İzmir, Mersin (Şengonca, 1979), Adana (Arı & Kıyak, 2000), Hatay, Mersin, (Kačirek, 1998); Kayseri (Canbulat & Kıyak, 2002b); Çanakkale (Canbulat & Kıyak 2002a), Diyarbakır, Şırnak (Satar & Özbay, 2004), Antalya, Aydın, Burdur, Denizli, Isparta, Muğla (Canbulat & Kıyak, 2005b), and Arhadan (Arı et al., 2007b).

**150. *Ecthromyrmex sehitlerolmez* Koçak & Kemal, 2008**

Hakkari (Koçak & Kemal, 2008a), Diyarbakır (Koçak & Kemal, 2008b), and Siirt (Özgen et al., 2012)

**151. *Euroleon nostras* (Geoffroy in Fourcroy, 1785)**

Ankara (Hölzel, 1972a), Ardahan, Iğdır (Arı et al., 2007b), and Tokat (Canbulat & Oğuz, 2013a).

**152. *Gymnocnemia variegata* (Schneider, 1845)**

Konya (Canbulat & Kıyak, 2003a) and Elazığ (Satar & Özbay, 2003; Özbay et al., 2005).

**153. *Macronemurus amoenus* (Hölzel, 1972)**

Denizli (Canbulat & Kıyak, 2004) and Elazığ (Özbay et al., 2005).

**154. *Macronemurus appendiculatus* (Latreille, 1807)**

Amasya (Hölzel, 1987).

**155. *Macronemurus bilineatus* Brauer, 1868**

Amasya (Navás, 1932), Konya (Esben-Petersen, 1933), Afyon, Ankara, Konya, Van (Hölzel, 1972a, 1987), Nevşehir (Gepp, 1974), Edirne (Popov, 1977), Mersin, İzmir (Şengonca, 1979), Çanakkale, Niğde (Kačirek, 1998), Kayseri (Canbulat & Kıyak, 2002b), Kırşehir (Canbulat & Özsarac, 2004), Antalya, Burdur, Isparta, Denizli, (Canbulat & Kıyak, 2005b), Kars, Iğdır (Arı et al., 2007b), and Çorum (Canbulat & Oğuz, 2013b).

**156. *Macronemurus persicus* (Navás, 1915)**

Adana and İzmir (Kačirek, 1998).



**157. *Megistopus flavicornis* (Rossi, 1790)**

Malatya (Hölzel, 1972a), Antalya, Muğla (Canbulat & Kıyak, 2005b), and Kars (Ari et al., 2007b).

**158. *Mesonemurus steineri* Hölzel, 1972**

Ağrı (Hölzel, 1972a, 1987) and Iğdır (Ari et al., 2007b).

**159. *Myrmecaelurus acerbus* (Walker, 1853)**

Konya (Esben-Petersen, 1933).

**160. *Myrmecaelurus atrifrons* (Hölzel, 1970)**

Konya and Ağrı (Hölzel, 1972a).

**161. *Myrmecaelurus curdicus* (Hölzel, 1972),**

Ağrı (Hölzel, 1972a).

**162. *Myrmecaelurus glaseri* (Hölzel, 1972)**

Konya (Hölzel, 1972a).

**163. *Myrmecaelurus major* McLachlan, 1875**

Konya (Esben-Petersen, 1933), Isparta, Malatya (Hölzel, 1969), Eskişehir, Isparta, Konya, Malatya, Van (Hölzel, 1972a), Konya (Şengonca, 1979), Ankara (Kaçirek, 1998), Kayseri (Canbulat & Kıyak, 2002b), Adıyaman, Diyarbakır (Satar & Özbay, 2004), Elazığ (Özbay et al., 2005), Isparta (Canbulat & Kıyak, 2005b), Iğdır, and Kars (Ari et al., 2007b).

**164. *Myrmecaelurus trigrammus* (Pallas, 1771)**

Antalya (Schneider, 1845), Konya (Esben-Petersen, 1933), Ankara, Eskişehir, Van (Hölzel, 1972a), Edirne (Popov, 1977), Aydın, İzmir, Mersin, (Şengonca, 1979), İstanbul (Monserrat & Hölzel, 1987), Hatay, Mersin, Denizli, Burdur (Kaçirek, 1998), Adana (Ari & Kıyak, 2000), Kayseri (Canbulat & Kıyak, 2002b), Çanakkale (Canbulat & Kıyak, 2002a), Kırşehir (Canbulat & Özsaraç, 2004), Batman, Diyarbakır, Mardin, Şırnak (Satar & Özbay, 2004), Elazığ (Özbay et al., 2005), Burdur, Isparta, Denizli, Aydın, Muğla (Canbulat & Kıyak, 2005b), Arhadan, Iğdır, Kars (Ari et al., 2007b), and Tokat (Canbulat & Oğuz, 2013a).

**165. *Myrmecaelurus spectabilis* Navás, 1912**

Bolu (Canbulat, 2007a).

**166. *Myrmecaelurus varians* Navás, 1913**

Bursa (Hölzel, 1972a; Canbulat, 2007b).

**167. *Myrmeleon formicarius* Linnaeus, 1767**

Konya (Esben-Petersen, 1933), Middle Anatolia (Aspöck & Aspöck, 1969a), Mersin (Hölzel, 1972a), İzmir (Şengonca, 1979), and Antalya (Canbulat & Kıyak, 2005b).

**168. *Myrmeleon lagopus* Gerstaecker, 1897**

According to Stange (2004) this species is valid.  
Mardin (Gerstaecker, 1894).

**169. *Myrmeleon hyalinus distinguendus* Rambur, 1842**

Antalya, Mersin (Şengonca, 1979), Adana, and Hatay (Kačirek, 1998).

**170. *Myrmeleon inconspiuus* Rambur, 1842**

Antalya (Gepp, 1974; Canbulat & Kıyak, 2005b), Adıyaman, Diyarbakır (Satar & Özbay, 2004), Elazığ (Özbay et al., 2005), Kars (Arı et al., 2007b), and Çorum (Canbulat & Oğuz, 2013b).

**171. *Myrmeleon noacki* Ohm, 1965**

Konya (Aspöck et al., 1980), Burdur, Mersin (Kačirek, 1998); Antalya, Burdur, and Denizli (Canbulat & Kıyak, 2005b).

**172. *Nedroledon anatolicus* Navás, 1914**

Bursa (Hölzel, 1972a; Aspöck et al., 1980) and Adana (Kačirek, 1998).

**173. *Nedroledon striatus* Hölzel, 1972**

Malatya (Şengonca, 1979) and Diyarbakır (Satar & Özbay, 2004).

**174. *Neuroleon (Ganussa) tenellus* (Klug, 1834)**

Adana, Siirt (Şengonca, 1979), Mersin (Aspöck et al., 1980), Antalya (Monserrat & Hölzel, 1987), Adana (Kačirek, 1998), Kayseri (Canbulat & Kıyak, 2002b), Batman, Diyarbakır, Mardin (Satar & Özbay, 2004), Antalya, Aydın, and Muğla (Canbulat & Kıyak, 2005b).

**175. *Neuroleon (Neuroleon) assimilis* (Navás, 1914)**

İzmir (Şengonca, 1979), İstanbul (Monserrat & Hölzel, 1987), Mersin (Kačirek, 1998), Çanakkale (Canbulat & Kıyak, 2002a), Batman, Diyarbakır, Mardin (Satar & Özbay, 2004), Antalya, Burdur, Isparta, Denizli, Muğla (Canbulat & Kıyak, 2005b), Arhadan, Iğdır (Arı et al., 2007b), and Tokat (Canbulat & Oğuz, 2013a).

**176. *Neuroleon (Neuroleon) diana* Hölzel, 1972**

Adıyaman (Şengonca, 1979).

**177. *Neuroleon (Neuroleon) egenus* (Navás, 1914)**

Aydın, Burdur (Kačirek, 1998), Adıyaman, Batman, Diyarbakır (Satar & Özbay, 2004), Muğla (Canbulat & Kıyak, 2005b), and Iğdır (Arı et al., 2007b).

**178. *Neuroleon (Neuroleon) jucundus* Navas, [1924]**

According to Stange (2004) this species is valid  
Bursa (Navás, 1921).

**179. *Neuroleon (Neuroleon) microstenus* (McLachlan, 1898)**

Neveşehir (Gepp, 1974), Ankara (Hölzel, 1972a), Adana (Şengonca, 1979), Çanakkale (Canbulat & Kıyak, 2002a), Diyarbakır, Mardin (Satar & Özbay, 2004), and Iğdır (Arı et al., 2007b).

**180. *Neuroleon (Neuroleon) nemausiensis* (Borkhausen, 1791)**

Middle Black Sea region (Aspöck et al., 1980), Denizli (Canbulat & Kıyak, 2005b), Arhadan, Iğdır (Arı et al., 2007b).

**181. *Nicarinus poecilopterus* (Stein, 1863)**

Adana (Şengonca, 1979), Mersin (Kačirek, 1998), Antalya, Denizli (Canbulat & Kıyak, 2005b), and Arhadan, (Arı et al., 2007b).

**182. *Palpares hispanus turcicus* Koçak, 1976**

Hakkari (Koçak, 1976; Canbulat, 2007b).

**183. *Palpares libelluloides* (Linnaeus, 1764)**

Konya (Esben-Petersen, 1933), Antalya (Gepp, 1974), Ankara, Adana (Popov, 1977), Mersin, İzmir, İstanbul, Muğla, (Şengonca, 1979), Burdur, Kahramanmaraş, Mersin, Şanlıurfa, (Kačirek, 1998), Kayseri (Canbulat & Kıyak, 2002b), Çanakkale (Canbulat & Kıyak, 2002a), Adıyaman, Batman, Diyarbakır, Siirt, Şanlıurfa (Satar & Özbay, 2004), Kırşehir (Canbulat & Özsaraç, 2004), Elazığ (Özbay et al., 2005), Antalya, Aydın, Burdur, Isparta, Denizli, Muğla (Canbulat & Kıyak, 2005b), Iğdır (Arı et al., 2007b), Tokat (Canbulat & Oğuz, 2013a), Amasya, and Çorum (Canbulat & Oğuz, 2013b).

**184. *Palpares solidus* (Gerstaecker, [1894])**

Adana (Şengonca, 1979) and Mardin (Hölzel, 1972a).

**185. *Pseudoformicaleo gracilis* (Klug, [1834])**

Hatay (Kačirek, 1998).

**186. *Solter ledereri* Navás, 1912**

Denizli (Monserrat & Hölzel, 1987), Adıyaman, Diyarbakır, Mardin (Satar & Özbay, 2004), Antalya (Canbulat & Kıyak, 2005b), and Iğdır (Arı et al., 2007).

**187. *Solter liber* Navás, 1912**

Adana (Arı & Kıyak, 2000).

**188. *Solter pulcher* Hölzel, 1967**

Kayseri (Şengonca, 1979).

**189. *Synclisis baetica* (Rambur, 1842)**

İzmir (Şengonca, 1979) and Antalya (Canbulat & Kıyak, 2005b).

**Family: Nemopteridae Burmeister, 1839****190. *Croce schmidtii* (Navás, 1927)**

Adiyaman (Dobosz & Ábrahám, 2009).

**191. *Dielocroce baudii* (Griffini, 1895)**

Diyarbakır (Satar, 2005), Adiyaman, and Şanlıurfa (Dobosz & Ábrahám, 2009).

**192. *Dielocroce ephemera* (Gerstaecker, [1834])**

Mardin (Gerstaecker, 1894; Navás, 1910; Şengonca, 1981b), Batman (Satar & Özbay, 2004), Adiyaman, and Şanlıurfa (Dobosz & Ábrahám, 2009).

**193. *Dielocroce modesta* Hölzel, 1975**

Adiyaman and Şanlıurfa (Dobosz & Ábrahám, 2009).

**194. *Lertha extensa* (Olivier, 1811)**

Şanlıurfa, Hakkari (Şengonca, 1979; 1981b), Hatay (Tjeder, 1970), Kahramanmaraş, Malatya (Hölzel, 1968) Şanlıurfa (Kačirek, 1998), Van (Koçak & Kemal, 2002), Diyarbakır, Mardin, Siirt (Satar & Özbay, 2004), Iğdır, Kars (Arı et al., 2008), Adiyaman, Gaziantep, Diyarbakır, and Mardin (Dobosz & Ábrahám, 2009).

**195. *Lertha ledereri* (Selys – Longchamps, 1866)**

Konya (Esben-Petersen, 1933; Hölzel, 1968; Aspöck et al., 1984), İzmir, Kayseri (Popov, 1970), Denizli (Aspöck et al., 1980), Niğde (Kačirek, 1998), Kayseri (Canbulat & Kıyak, 2002b), Antalya, Burdur, Denizli, Isparta (Canbulat & Kıyak, 2005b), Aksaray, Ankara, Nevşehir, and Şanlıurfa (Dobosz & Ábrahám, 2009).

**196. *Lertha palmonii* (Tjeder, 1970)**

Van (Koçak & Kemal, 2002), Mardin (Koçak & Kemal, 2008b), Adiyaman, Gaziantep, Mardin, and Şanlıurfa (Dobosz & Ábrahám, 2009).

**197. *Lertha schmidtii* (H. Aspöck & U. Aspöck & Hölzel, 1984)**

Eskişehir, Konya (Aspöck et al., 1984), Antalya (Canbulat & Kıyak, 2005b), Ankara, Kırşehir, and Nevşehir (Dobosz & Ábrahám, 2009).

**198. *Lertha sheppardi* (Kirby, 1904)**

Amanos mountains (Navás, 1910, 1912; Hölzel, 1968), Denizli (Şengonca, 1979), Mersin (Şengonca, 1981b), Diyarbakır, and Şanlıurfa (Satar & Özbay, 2004).

**199 *Lertha vartianae* H. Aspöck & U. Aspöck & Hölzel, 1984**

Konya, Karaman, Antalya, Mersin (Aspöck et al., 1984), and Burdur (Dobosz & Ábrahám, 2009).

**200. *Nemoptera aegyptiaca* Rambur, 1842**

Hatay (Popov, 1970), Diyarbakır, and Şanlıurfa (Dobosz & Ábrahám, 2009).

**201. *Nemoptera coa* (Linnaeus, 1758)**

Bursa, İstanbul, İzmir (Popov, 1970), Adana, Bursa, İstanbul, İzmir, Muş (Şengonca, 1981b), and Muğla (Dobosz & Ábrahám, 2009).

**202. *Nemoptera sinuata* Olivier, 1811**

Antalya (Schneider, 1845), Amasya, Tokat (Navás, 1910), Taurus. (Navás, 1932), Konya (Esben-(Esben - Petersen, 1933), Hakkari (Gepp, 1974), Amasya, Antalya, Isparta, Kahramanmaraş, Konya, Mersin (Hölzel, 1968; Şengonca, 1981b), Hakkari, İzmir, Kütahya, (Şengonca, 1979), Adana (Kačirek, 1998; Arı & Kıyak, 2000), Kayseri (Canbulat, & Kıyak, 2002b), Şanlıurfa (Satar & Özbay, 2004), Antalya, Aydın, Burdur, Denizli, Isparta, Muğla (Canbulat & Kıyak, 2005b), Ardahan (Arı et al., 2007), Adıyaman, Aksaray, Artvin, Balıkesir, Bilecik, Bolu, Bitlis, Erzurum, Kastamonu, Mardin, and Tunceli (Dobosz & Ábrahám, 2009).

**Family: Osmylidae Leach in Brewster, 1815**

**203. *Osmylus cilicicus* Krüger, 1913**

İzmir (Şengonca, 1979), Artvin, and Bolu (Dobosz, 2007b).

**204. *Osmylus elegantissimus* Kozhantshikov, 1951**

Northeast Anatolia (Aspöck et al., 2001) and Tokat (Canbulat & Oğuz, 2013a).

**205. *Osmylus fulvicephalus* (Scopoli, 1763)**

West Anatolia (Aspöck et al., 1980), Antalya, Burdur, Isparta, Muğla (Canbulat & Kıyak, 2005b), and Border of Ardahan and Erzurum (Arı et al., 2008)

**206. *Osmylus multiguttatus* McLachlan, 1870**

Trabzon (McLachlan, 1870), Adana, Erzurum, Tunceli (Dobosz, 2007b), and Kayseri (Canbulat, 2013b)

**Family: Sisyridae Handlirsch, 1908**

**207. *Sisyra nigra* (Retzius, 1783)**

Yalova (Berber & Canbulat, 2009)

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