

Aphids (Homoptera: Aphididae) of Kahramanmaraş Province, Turkey

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Abstract: This study aimed to identify 68 aphid species and subspecies in Kahramanmaraş from 1998 to 2001. It was found that these species and subspecies were from 35 genera and the subfamilies Aphidinae, Chaitophorinae, Lachninae, Myzocallidinae, Pemphiginae and Pterocommatinae (Aphididae: Aphidoidea). Sixty-eight species, belonging to the tribes Aphidini-Aphidina, Aphidini-Rhopalosiphina, Macrosiphini, Chaitophorini, Cinarini, Lachnini, Myzocallidini, Eriosomatini, Fordini, Pemphigini and Pterocommatini, were examined. *Aphis acetosae* L., *Aphis fabae mordvilkoii* Börner and Janich, *Cinara cupressi* (Buckton) and *Nurudea meitanensis* (Tsai and Tang) are reported for the first time from Turkey.

Key Words: Aphididae, Survey, Kahramanmaraş, Turkey

Kahramanmaraş'ın Yaprakbitleri (Homoptera; Aphididae)

Özet: Kahramanmaraş ilinde 1998-2001 yılları arasında yapılan bu çalışmada Aphidoidea-Aphididae familyasından Aphidinae, Chaitophorinae, Lachninae, Myzocallidinae, Pemphiginae ve Pterocommatinae altfamilyalarına bağlı 35 cins, bu cinslere ait 68 tür ve alttür bulunmuştur. Bu yaprakbitleri, Aphidini-Aphidina, Aphidini-Rhopalosiphina, Macrosiphini, Chaitophorini, Cinarini, Lachnini, Myzocallidini, Eriosomatini, Fordini, Pemphigini ve Pterocommatini tribusuna bağlıdır. *Aphis acetosae* L., *Aphis fabae mordvilkoii* Börner and Janich, *Cinara cupressi* (Buckton) ve *Nurudea meitanensis* (Tsai and Tang) Türkiye aphid faunası için ilk kez bildirilmiştir.

Anahtar Sözcükler: Yaprakbitleri, Survey, Kahramanmaraş, Türkiye

Introduction

The known world fauna of aphids (Aphidoidea) consists of 4401 species, placed in 493 currently accepted genera (Blackman and Eastop, 1994), particularly from the subfamily Aphidinae, which are usually the most important pests of agricultural and horticultural worldwide, damaging plants by sucking phloem sap and by transmitting viral diseases (Kennedy et al., 1962; Çanakçıoğlu, 1975; Blackman and Eastop, 1984; Conti, 1985).

The first records of Turkey's aphids were given by Trotter (1903) and Fahringer (1922), followed by Bodenheimer and Swirski (1957), Börner and Heinze (1957), Tuatay and Remaudiere (1964), Çanakçıoğlu (1975), Düzgüneş et al. (1982) and Toros et al. (2002). However, no detailed study has been performed in southeast Anatolia. Therefore the aim of this study was

to determine the Aphididae species of the cultivated and noncultivated areas in Kahramanmaraş province, Turkey.

Materials and Methods

Aphid samples on various hosts were collected from various locations (Central province, Pazarcık, Narlı, Türkoğlu, Çağlayancerit, Nurhak, Göksun, Afşin, Elbistan, Ekinözü, Andırın) in cultivated and noncultivated areas of Kahramanmaraş province between the southeast Anatolia and east Mediterranean regions from 1998 to 2001. Plant parts with aphids on them were cut off and placed into separate polyethylene bags. The aphids sample were transferred into Eppendorf tubes containing 70% ethyl alcohol with a fine brush. Mounting was performed as described by Hille Ris Lambers (1950).

The determined species were classified according to Remaudiere and Remaudiere (1997). Distributions in

Turkey, host plants, collecting dates and occurrence are given for each species.

Results

Sixty-eight species were determined in 6 subfamilies (Aphidinae, Chaitophorinae, Lachninae, Myzocallidinae, Pemphiginae and Pterocommatinae) (Aphididae: Aphidoidea), 11 tribes (Aphidini-Aphidina, Aphidini-Rhopalosiphini, Macrosiphini, Chaitophorini, Cinarini, Lachnini, Myzocallidini, Eriosomatini, Fordini, Pemphigini and Pterocommatini), and 35 genera (*Aphis*, *Hyalopterus*, *Rhopalosiphum*, *Schizaphis*, *Acyrtosiphon*, *Amphorophora*, *Brachycaudus*, *Brevicoryne*, *Capitophorus*, *Dysaphis*, *Hyadaphis*, *Hyperomyzus*, *Macrosiphoniella*, *Macrosiphum*, *Metopolophium*, *Myzus*, *Ovatus*, *Phorodon*, *Sitobion*, *Uroleucon*, *Chaitophorus*, *Cinara*, *Lachnus*, *Pterochloroides*, *Tuberolachnus*, *Agrioaphis*, *Chromaphis*, *Panaphis*, *Tuberculoides*, *Eriosoma*, *Baizongia*, *Forda*, *Nurudea*, *Pemphigus*, *Pterocomma*).

List of Aphid species, with host plant and distribution data (species marked with an asterisk are new records for Turkey)

Aphidinae: Aphidini: Aphidina

Aphis Koch, 1857

**Aphis acetosae* Linnaeus, 1761

Distribution in Turkey: New record for Turkey.

Material examined: Göksun (Çataloluk), 27.V.2000, from *Rumex crispus* L.

Aphis affinis del Guercio, 1911

Distribution in Turkey: Adana, Ankara, Bitlis, Diyarbakır, İçel, Niğde (Tuatay and Remaudiere, 1964; Düzgüneş et al., 1982; Zeren, 1989; Ölmez, 2000; Toros et al., 2002).

Material examined: Andırın (Yenicekale), 16.VI.2000, -Çağlayanerit, 21.VI.2000, -Göksun (Suçatı), 27.V.2001, from *Mentha arvensis* L.

Aphis craccivora Koch, 1854

Distribution in Turkey: Cosmopolite (Bodenheimer and Swirski, 1957; Düzgüneş et al., 1982; Akkaya and Uygun, 1996; Toros et al., 1996; Ölmez, 2000; Toros et al., 2002).

Material examined: Central province, 31.VII.1998 and 19.VI.2000 from *Robinia pseudoacacia* L. -Afşin, 02.VI.2001, *Trigonella monantha* subsp. *noeouana* C. A Mayer, *Vicia* sp. -Göksun (Yantepe), 02.VI. 2001, *Medicago sativa* L., *Trifolium* sp., *Vicia grandiflora* var. *grandiflora* Scop. -Pazarcık, 26.V.2001, *Vicia cyprica* Katschy and Ungur -Göksun (Tekir), 27.V.2001, *Astragalus* sp., *Galium aparine* L.

Aphis cytisorum Hartig, 1841

Distribution in Turkey: Kastamonu (İnebolu) (Tuatay, 1993).

Material examined: Göksun, 18.XII.1998, from *Chamaecytisus hirsutus* (L.)

Aphis euphorbiae Kaltenbach, 1843

Distribution in Turkey: Elazığ, Niğde (Tuatay, 1993).

Material examined: Göksun, 29.VI.2000, 19.V.2001, 15.VI.2001, from *Euphorbia helioscopia* L. -Göksun (Yazıköy), 02.VI.2001, *Euphorbia peplus* L.

Aphis fabae Scopoli, 1763

Distribution in Turkey: Cosmopolite (Schimitschek, 1944; Tuatay and Remaudiere, 1964; Giray, 1974; Çanakçioğlu, 1975; Düzgüneş et al., 1982; Zeren, 1989; Blackman and Eastop, 1994; Toros et al., 1996; Özdemir and Toros, 1997; Ölmez, 2000; Toros et al., 2002).

Material examined: Central province, 01.V.2001, from *Pimpinella* sp., *Vicia faba* L. -Andırın (Harbul), 11.VIII.2001, *Helianthus annuus* L., *Phaseolus vulgaris* L. -Central province (Çiğli), 17.XI.1998, *Centaurea solstitialis* L. -Kahramanmaraş (Çokyaşar), 25.V.2000, *Beta vulgaris* L. -Göksun, 11.VIII.2001, *Helianthus annuus* L. -Göksun (Kireç), 15.VI.2001, *Centaurea solstitialis* L. -Pazarcık, 26.V.2001, *Lathyrus aphaca* var. *aphaca* L. - Central province (Sarıkaya), 18.V.1998, *Vicia faba* L., *Chenopodium* sp. -Göksun (Tekir), 27.V.2001, *Rumex crispus* L.

Aphis fabae cirsiiacanthoidis Scopoli, 1763

Distribution in Turkey: Adana, İçel (Toros et al., 2002).

Material examined: Central province, 18.V.2001, - Central province (Sarıkaya), 18.V.2001, -Türkoğlu, 09.V.2001, from *Cirsium arvense* (L.) Scop.

**Aphis fabae mordvilkoii* Börner and Janich, 1922

Distribution in Turkey: New record for Turkey.

Material examined: Elbistan (Karaelbistan), 15.VI.2001, from *Arctium lappa* L.

Aphis fabae solanella Theobald, 1914

Distribution in Turkey: Adana, Hatay, İçel, İstanbul, İzmir, Osmaniye (Giray, 1974; Çanakçıoğlu, 1975; Toros et al., 2002).

Material examined: Central province (Çiğli), 03.VIII.1998, from *Solanum nigrum* L.

Aphis frangulae Kalténbach, 1845

Distribution in Turkey: Adana, Diyarbakır (Ölmez, 2000; Toros et al., 2002).

Material examined: Narlı, 07.VIII.2001, from *Cucumis sativus* L.

Aphis gossypii Glover, 1877

Distribution in Turkey: Cosmopolite (Bodenheimer and Swirski, 1957; Toros et al., 2002).

Material examined: Central province, 19.VI.2000, from *Cucumis sativus* L. -Central province (Gaffarlı), 09.VII.1998, *Cucumis sativus* L. -Central province (Tevekkeli), 11.VIII.1998, *Hibiscus esculentus* L., *Gossypium* sp.

Aphis intybi Koch, 1855

Distribution in Turkey: Adana, West, Central, East Anatolia (Lodos, 1986; Toros et al., 2002).

Material examined: Göksun (Tekir), 27.V.2001, from *Cichorium intybus* L.

Aphis nerii Boyer de Fonscolombe, 1841

Distribution in Turkey: Adana, Ankara, Antalya, Diyarbakır, İçel, İzmir, (Bodenheimer and Swirski, 1957; Giray, 1970; Ölmez, 2000; Toros et al., 2002).

Material examined: Central province (Ahır Mountain), 18.V.2001, -Central province (Karacasu), 20.V.2001, -Pazarcık, 26.V.2001, from *Nerium oleander* L.

Aphis pomi de Geer, 1773

Distribution in Turkey: Cosmopolite (Lodos, 1986; Toros et al., 2002).

Material examined: Andırın (Yenicekale), 16.VI.2000, from *Malus communis* L.

Aphis punicae Passerini, 1863

Distribution in Turkey: Cosmopolite (Tuatay and

Remaudiere, 1964; Çanakçıoğlu, 1975; Ölmez, 2000; Toros et al., 2002).

Material examined: Göksun (Çataloluk), 27.V.2000, -Narlı, 26.V.2001, from *Punica granatum* L.

Aphis ruborum (Borner, 1932)

Distribution in Turkey: Adana, Bitlis (Tatvan-Şükran) (Tuatay and Remaudiere, 1964; Toros et al., 2002).

Material examined: Afşin, 02.VI.2001, -Göksun (Çataloluk), 27.V.2000, -Göksun (Fırnız), 19.V.2001, from *Rubus caesius* L.

Aphis salviae Walker, 1852

Distribution in Turkey: Adana (Avcıpınarı), Diyarbakır (Silvan), Malatya (Tuatay and Remaudiere, 1964; Toros et al., 2002).

Material examined: Göksun (Suçatı), 27.V.2001, from *Salvia tomentosa* Miller

Aphis sambuci Linnaeus, 1758

Distribution in Turkey: Ankara, Bolu, Giresun, İstanbul (Pendik), İzmir, Kastamonu, Sakarya, Trabzon, (Bodenheimer and Swirski, 1957; Giray, 1974; Çanakçıoğlu, 1975).

Material examined: Göksun (Çataloluk), 27.V.2000, from *Sambucus ebulus* L.

Aphis spiraecola Patch, 1914

Distribution in Turkey: Adana, Ankara, Diyarbakır, Hatay, İçel (Tuatay and Remaudiere, 1964; Düzgüneş et al., 1982; Yumruktepe and Uygun, 1994; Ölmez, 2000; Toros et al., 2002).

Material examined: Central province (Karacasu), 03.VI.2001, from *Spirea vanhouetti*

Aphidinae: Aphidini: Rhopalosiphina

Hyalopterus Koch, 1854

Hyalopterus amygdali (E. Blanchard, 1840)

Distribution in Turkey: Ankara, Diyarbakır, Siirt, Şanlıurfa, (Düzgüneş et al., 1982; Uygun et al., 1995; Ölmez, 2000).

Material examined: Central province (Güzlek), 24.V.2001, -Central province (Sarıkaya), 18.V.1998, from *Amygdalus communis* L.

Hyalopterus pruni (Geoffroy, 1762)

Distribution in Turkey: Cosmopolite (Bodenheimer

and Swirski, 1957; Çanakçıoğlu, 1975; Düzgüneş et al., 1982; Ölmez, 2000; Toros et al., 2002).

Material examined: Central province, 01.V.2001, from *Prunus persica* L.-Central province (Ağabeyli), 21.VI.2000, -Narlı, 26.V.2001, -Pazarcık (Kirni), 26.V.2001, from *Prunus armeniaca* L. -Göksun (Döngöle), 16.VI.2000, -Elbistan, 15.VI.2001, - Central province (Gaffarlı), 21.VI.2000, -Central province (Karacasu), 20.V.2001, from *Phragmites australis* (Cav.) -Elbistan (Karaelbistan), 15.VI.2001, from *Prunus spinosa* L.

Rhopalosiphum Koch, 1854

Rhopalosiphum maidis (Fitch, 1856)

Distribution in Turkey: Cosmopolite (Çanakçıoğlu, 1975; Lodos, 1986; Ölmez, 2000; Toros et al., 2002).

Material examined: Elbistan (Akçırı), 14.VIII.2001, - Kahramanmaraş (Kurtlarköyü), 29.VI.2000, from *Zea mays* L.

Rhopalosiphum padi (Linnaeus, 1758)

Distribution in Turkey: Cosmopolite (Tuatay and Remaudiere, 1964; Lodos, 1986; Ölmez, 2000; Toros et al., 2002).

Material examined: Kahramanmaraş (Aksu), 06.I.1998, from *Triticum aestivum* L. -Göksun (Kireç), 15.VI.2001, from *Typha latifolia* L.

Schizaphis Börner, 1931

Schizaphis graminum (Rondani, (1847) 1852)

Distribution in Turkey: West and East Anatolia (Lodos, 1986).

Material examined: Central province, 15.II.1998, - Pazarcık, 13.VI.2000 -Türkoğlu, 06.VI.2001, from *Triticum aestivum* L.

Aphidinae: Macrosiphini

Acyrtosiphon Mordvilko, 1914

Acyrtosiphon cyparissiae (Koch, 1855)

Distribution in Turkey: Bitlis (Tatvan-Şükran), (Tuatay and Remaudiere, 1964).

Material examined: Göksun, 29.VI.2000, from *Euphorbia helioscopia* L.

Acyrtosiphon ilka Mordvilko, 1914

Distribution in Turkey: Denizli (Tuatay and Remaudiere, 1964).

Material examined: Göksun (Suçatı), 27.V.2001, from *Glaucium corniculatum* L. Rud.

Amphorophora Buckton, 1876

Amphorophora rubi (Kaltenbach, 1843)

Distribution in Turkey: Bitlis (Tatvan-Şükran) (Tuatay and Remaudiere, 1964).

Material examined: Afşin, 02.VI.2001, from *Rubus caesius* L.

Brachycaudus van der Goot, 1913

Brachycaudus helichrysi (Kaltenbach, 1843)

Distribution in Turkey: Cosmopolite (Tuatay and Remaudiere, 1964; Giray, 1974; Düzgüneş et al., 1982; Uygun et al., 1995; Ölmez, 2000; Toros et al., 2002).

Material examined: Çağlayancerit (Belen), 21.VI.2000, -Göksun (Tekir), 27.V.2001, from *Achillea millefolium* L. -Central province (Hasancık), 16.VI.2000, from *Centaurea solstitialis* L.

Brachycaudus (Acaudus) cardui (Linnaeus, 1758)

Distribution in Turkey: Cosmopolite (Bodenheimer and Swirski, 1957; Tuatay and Remaudiere, 1964; Çanakçıoğlu, 1975; Lodos, 1986; Ölmez, 2000; Toros et al., 2002).

Material examined: Çağlayancerit, 21.VI.2000, from *Gundelia tournefortii* L. -Çağlayancerit (Homur), 21.VI.2000, from *Silybum marianum* (L.) -Göksun, 15.VI.2001, from *Cirsium acarna* (L.) -Göksun (Fırnız), 19.V.2001, from *Onopardum illyricum* L. -Güzlek (Ahr Mountain), 24.V.2001, from *Carlina cymbosa* L., *Carthamus larcus* L. -Central province, 19.V.2001, from Umbellifera, -Central province (Sarıkaya), 18.V.1998 -Göksun (Suçatı), 19.V.2001 -Süleymanlı, 19.V.2001, from *Cirsium arvense* (L.) -Göksun (Tekir), 27.V.2001, from *Eryngium compestre* L. -Türkoğlu, 09.V.2001, from *Notobasis syriaca* (L.) Cass.

Brachycaudus (Acaudus) divaricatae Shaposhnikov, 1956

Distribution in Turkey: Bitlis (Tatvan) (Tuatay and Remaudiere, 1964).

Material examined: Afşin (Erçene), 02.VI.2001, from *Prunus cerasifera* Ehrh.

Brachycaudus (Acaudus) lateralis (Walker, 1848)

Distribution in Turkey: Ankara (Tuatay and Remaudiere, 1964).

Material examined: Göksun (Tekir), 27.V.2001, from *Senecio vernalis* Waldst and Kit.

Brachycaudus (Appelia) schwartzi (Borner, 1931)

Distribution in Turkey: İçel, İstanbul (Göztepe), Osmaniye (Tuatay and Remaudiere, 1964; Toros et al., 2002).

Material examined: Central province (Çi?ce), 18.V.2001, from *Prunus avium* L.

Brachycaudus (Appelia) tragopogonis (Kaltenbach, 1843)

Distribution in Turkey: Adana, Ankara, Diyarbakır, Eskişehir, Kırşehir, Malatya, Niğde, (Tuatay and Remaudiere, 1964; Düzgüneş et al., 1982; Ölmez, 2000; Toros et al., 2002).

Material examined: Göksun (Doğankonak), 15.VI.2001, from *Tragopogon pterocarpus* D.C. -Göksun (Yantepe), 02.VI.2001, from *Tragopogon pratensis* subsp. *orientalis* (L.) Wollman -Göksun (Tekir), 27.V.2001, from Poaceous plant- Türkoğlu (Beyoğlu), 25.V.2000, from undetermined weed.

Brevicoryne van der Goot, 1915

Brevicoryne brassicae (Linnaeus, 1758)

Distribution in Turkey: Cosmopolite (Giray, 1974; Düzgüneş et al., 1982; Zeren, 1989; Uygun et al., 1995; Toros et al., 1996; Ölmez, 2000; Toros et al., 2002).

Material examined: Central province, 13.V.2001, from *Brassica oleracea* var. *acephala* L. -Elbistan (Akçırı), 15.VI.2001, from *Brassica oleracea* var. *capitata* L. -Göksun (Tekir), 27.V.2001, from *Crambe* sp.

Dysaphis Borner, 1951

Dysaphis devecta (Walker, 1849)

Distribution in Turkey: Adana, Ankara, Diyarbakır, Hatay, İçel, Malatya, Van (Tuatay and Remaudiere, 1964; Düzgüneş et al., 1982; Toros et al., 1996; Ölmez, 2000; Toros et al., 2002).

Material examined: Afşin (Çobanbey), 29.VI.2000, -Çağlayançerit, 21.VI.2000, from *Malus communis* L.

Dysaphis (Pomaphis) plantaginea (Passerini, 1860)

Distribution in Turkey: Cosmopolite (Tuatay, 1990; Ölmez, 2000; Toros et al., 2002).

Material examined: Afşin (Erçene), 02.VI.2001, -Göksun (Çataloluk), 27.V.2000, -Pazarcık (Bağsağır), 26.V.2001, from *Malus communis* L.

Dysaphis (Pomaphis) pyri (Boyer de Fonscolombe, 1841)

Distribution in Turkey: Adana, Ankara, Diyarbakır, Isparta, İzmir, Konya, Niğde, Van (Tuatay and Remaudiere, 1964; Giray, 1974; Düzgüneş et al., 1982; Blackman and Eastop, 1994; Toros et al., 1996; Ölmez, 2000; Toros et al., 2002).

Material examined: Göksun (Çataloluk), 27.V.2000, from *Prunus communis* L.

Dysaphis (Pomaphis) sorbi (Kaltenbach, 1843)

Distribution in Turkey: Ankara, Artvin (Bodenheimer and Swirski, 1957).

Material examined: Central province (Karacasu), 03.VI.2001, from *Spirea vanhouetti*.

Hyadaphis Kirkaldy, 1904

Hyadaphis tataricae (Aizenberg, 1935)

Distribution in Turkey: Ankara, Diyarbakır (Toros, 1986; Ölmez, 2000).

Material examined: Central province (Ahır Mountain), 18.V.2001, from *Lonicera tatarica* L.

Hyperomyzus Börner, 1933

Hyperomyzus lactucae (Linnaeus, 1758)

Distribution in Turkey: Adana, Diyarbakır (Hazro), Eskişehir (Mayıslar), Hatay, İçel, İstanbul (Maltepe), (Tuatay and Remaudiere, 1964; Ölmez, 2000; Toros et al., 2002).

Material examined: Göksun (Tekir), 19.V.2001, from *Sonchus oleraceus* L.

Macrosiphoniella del Guercio, 1911

Macrosiphoniella artemisiae (Boyer de Fonscolombe, 1841)

Distribution in Turkey: Ankara, Bitlis, Burdur, Diyarbakır, Giresun, Isparta, (Tuatay and Remaudiere, 1964; Çanakçıoğlu, 1975; Tuatay, 1990).

Material examined: Elbistan (Karaelbistan), 15.VI.2001, from *Artemisia vulgaris* L.

Macrosiphum Passerini, 1860

Macrosiphum rosae (Linnaeus, 1758)

Distribution in Turkey: Cosmopolite (Bodenheimer and Swirski, 1957; Giray, 1974; Çanakçıoğlu, 1975; Düzgüneş et al., 1982; Toros et al., 1996; Ölmez, 2000; Toros et al., 2002).

Material examined: Central province, 13.V.2001, -Central province (Karacasu), 20.V.2001, from *Rosa gallica* L. -Göksun (Suçatı), 19.V.2001, from *Rosa banksiana* Aiton.

Metopolophium Mordvilko, 1914

Metopolophium dirhodum (Walker, 1849)

Distribution in Turkey: Adana, Ankara, Bursa (İzmit), East and Central Anatolia, İçel, Niğde, (Bodenheimer and Swirski, 1957; Lodos, 1986; Toros et al., 2002).

Material examined: Central province, 05.V.2000, from *Hordeum vulgare* L.

Myzus Passerini, 1860

Myzus cerasi (Fabricius, 1775)

Distribution in Turkey: Cosmopolite (Bodenheimer and Swirski, 1957; Lodos, 1986; Ölmez, 2000; Toros et al., 2002).

Material examined: Adıran (İsmailli), 16.VI.2000, -Göksun (Çataloluk), 27.V.2000, -Pazarcık (Bağsağır), 26.V.2001, from *Prunus avium* L.

Myzus (Nectarosiphon) persicae (Sulzer, 1776)

Distribution in Turkey: Cosmopolite (Lodos, 1986; Toros et al., 2002).

Material examined: Central province, 19.VI.2000, 01.V.2001, from *Prunus persica* L. -Kahramanmaraş (Çiğce), 18.V.2001, from *Prunus avium* L.

Ovatus (van der Goot, 1913)

Ovatus mentharius (van der Goot, 1913)

Distribution in Turkey: Bitlis (Tatvan), İçel (Darıpınarı) (Tuatay and Remaudiere, 1964; Toros et al., 2002).

Material examined: Adıran (Yenicekale), 16.VI.2000, from *Mentha arvensis* L.

Phorodon Passerini, 1860

Phorodon humuli (Schränk, 1801)

Distribution in Turkey: İstanbul (Bahçeköy), West Anatolia (Çanakçıoğlu, 1975; Lodos, 1986).

Material examined: Pazarcık, 26.V.2001, from *Tamus* sp.

Sitobion Mordvilko, 1914

Sitobion avenae (Fabricius, 1775)

Distribution in Turkey: Cosmopolite (Düzgüneş et al., 1982; Lodos, 1986; Elmalı and Toros, 1994; Kiran, 1994; Toros et al., 1996; Özder and Toros, 1999; Ölmez, 2000; Toros et al., 2002).

Material examined: Central province, 03.III.1999, -Pazarcık, 14.IV.2000, -Türkoğlu, 06.VI.2000, from *Triticum aestivum* L.

Uroleucon Mordvilko, 1914

Uroleucon (Uroleucon) cichorii (Koch, 1855)

Distribution in Turkey: Adana, Bitlis, Hatay, İçel, Niğde (Tuatay and Remaudiere, 1964; Zeren, 1989; Toros et al., 2002).

Material examined: Göksun, 27.V.2001, from *Cichorium intybus* L.

Uroleucon (Uromelan) jaceae (Linnaeus, 1758)

Distribution in Turkey: Ankara, Bitlis, Burdur, Gaziantep, İzmir, Kırıkkale, Kırklareli, Konya, Manisa, Van, (Bodenheimer and Swirski, 1957; Giray, 1974).

Material examined: Central province (Çokyasar), 25.V.2000, from *Carduus nutans* L. -Elbistan (Akçırı), 15.VI.2001, from *Centaurea solstitialis* L. -Göksun, 27.05.2001, from *Onopordum anatolicum* (Boiss) Elg. -Türkoğlu, 09.V.2001, from *Cirsium arvense* L.

Chaitophorinae: Chaitophorini

Chaitophorus Koch, 1854

Chaitophorus leucomelas Koch, 1854

Distribution in Turkey: Cosmopolite (Bodenheimer and Swirski, 1957; Tuatay and Remaudiere, 1964; Çanakçıoğlu, 1975; Toros et al., 1996; Ölmez, 2000; Toros et al., 2002).

Material examined: Elbistan (Karaltı), 14.VIII.2001, from *Populus* sp.

Lachninae: Cinarini

Cinara Curtis, 1835

Cinara cedri Mimeur, 1936

Distribution in Turkey: Ankara, Gaziantep, Hatay, Konya (Akşehir) (Tuatay and Remaudiere, 1964; Toros et al., 2002).

Material examined: Central province (Karacasu), 20.V.2001, from *Cedrus libani* A. Rich.

**Cinara cupressi* (Buckton, 1881)

Distribution in Turkey: New record for Turkey.

Material examined: Pazarcık, 26.V.2001, from *Thuja orientalis* L.

Cinara pini (Linnaeus, 1758)

Distribution in Turkey: Bolu (Aladağ) (Çanakçıoğlu, 1975)

Material examined: Göksun (Tekir), 27.V.2001, from *Pinus nigra* subsp. *pallasiana* (Lamb.)

Lachnini

Lachnus Burmeister, 1835

Lachnus roboris (Linnaeus, 1758)

Distribution in Turkey: Ankara, Artvin, Diyarbakır, İstanbul, Mardin (Bodenheimer and Swirski, 1957; Ölmez, 2000).

Material examined: Göksun (Tekir), 27.V.2001, from *Quercus cerris* var. *cerris* L.

Pterochloroides Mordvilko, 1914

Pterochloroides persicae (Cholodkovsky, 1899)

Distribution in Turkey: Adana, Ankara, Hatay, İçel (Bodenheimer and Swirski, 1957; Toros et al., 2002).

Material examined: Central province, 27.XI.1998, from *Prunus domestica* L., -19.VI.2000, from *P. persica* L. -Elbistan, 15.VI.2001, -Narlı (Tulhun), 26.V.2001, from *P. persica* L.

Tuberolachnus Mordvilko, 1909

Tuberolachnus salignus (J.F. Gmelin, 1790)

Distribution in Turkey: Cosmopolite (Bodenheimer and Swirski, 1957; Tuatay and Remaudiere, 1964; Düzgüneş et al., 1982; Ölmez, 2000; Toros et al., 2002).

Material examined: Adırın (Harbul), 11.VIII.2001, -Göksun (Değirmendere), 07.VIII.2001, from *Salix triandra* subsp. *bornmuelleri* (Hauskn).

Myzocallidinae: Myzocallidini

Agrioaphis Walker, 1870

Myzocallis castanicola Baker, 1917

Distribution in Turkey: Uşak, West Anatolia (Çanakçıoğlu, 1975; Lodos, 1986).

Material examined: Göksun (Alaçayır), 27.V.2001, from *Quercus cerris* var. *cerris* L.

Chromaphis Walker, 1870

Chromaphis juglandicola (Kaltenbach, 1843)

Distribution in Turkey: Cosmopolite (Lodos, 1986; Ölmez, 2000; Toros et al., 2002).

Material examined: Central province (Çitosan), 21.VI.2000, -Elbistan, 15.VI.2001, from *Juglans regia* L.

Panaphis Kilkardy, 1904

Panaphis juglandiis (Goeze, 1778)

Distribution in Turkey: Cosmopolite (Bodenheimer and Swirski, 1957; Düzgüneş et al., 1982; Ölmez, 2000; Toros et al., 2002).

Material examined: Çağlayancerit, 21.VI.2000, - Central province (Sarıkaya), 18.V.1998, from *Juglans regia* L.

Tuberculoides van der Goot, 1915

Tuberculatus pallescens (Hille Ris Lambers, 1972)

Distribution in Turkey: Diyarbakır (Hani) (Ölmez, 2000).

Material examined: Central province (Çiğli), 17.XI.1998, from *Quercus* sp.

Pemphiginae: Eriosomatini

Eriosoma Leach, 1818

Eriosoma lanigerum (Hausmann, 1802)

Distribution in Turkey: Cosmopolite (Schimitschek, 1944; Bodenheimer and Swirski, 1957; Düzgüneş et al., 1982; Ölmez, 2000; Toros et al., 2002).

Material examined: Central province, 08.V.2001, from *Malus communis* L.

Fordini

Baizongia Rondani, 1848

Baizongia pistaciae (Linnaeus, 1767)

Distribution in Turkey: Adana, Hatay (İskenderun), Isparta, İstanbul, (Bodenheimer and Swirski, 1957).

Material examined: Türkoğlu, 22.X.1998, from *Pistacia terebinthus* L.

Forda von Heyden, 1837

Forda hirsuta Mordvilko, 1928

Distribution in Turkey: Gaziantep, İstanbul (Mart et al., 2001).

Material examined: Türkoğlu, 21.V.2001, from *Pistacia vera* L.

Nurudea Matsumura, 1917

**Nurudea meitanensis* (Tsai and Tang, 1946)

Distribution in Turkey: New record for Turkey.

Material examined: Central province (Menzelet dam), 19.X.1998, from *Rhus* sp.

Pemphigini

Pemphigus Hartig, 1839

Pemphigus bursarius (Linnaeus, 1758)

Distribution in Turkey: Cosmopolite (Çanakçıoğlu, 1975; Lodos, 1986).

Material examined: Pazarçık, 26.V.2001, from *Populus* sp.

Pemphigus immunis Buckton, 1896

Distribution in Turkey: Cosmopolite (Ölmez, 2000; Toros et al., 2002).

Material examined: Central province (Gaffarlı), 21.VI.2000, from *Populus* sp.

Pterocommatinae: Pterocommatini

Pterocomma Buckton, 1879

Pterocomma pilosum Buckton, 1879

Distribution in Turkey: Ankara (Kızılcahamam), Isparta (Yalvaç), (Çanakçıoğlu, 1975).

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Material examined: Göksun, 15.VI.2001, from *Salix triandra* subsp. *bornmuelleri* (Hauskn).

In this study, the 68 aphid species and subspecies identified were found to be from 35 genera and the subfamilies Aphidinae, Chaitophorinae, Lachninae, Myzocallidinae, Pemphiginae and Pterocommatinae (Aphididae: Aphidoidea). Furthermore, 21 aphids, whose species could not be determined, belonging to 11 genera from the same subfamilies, were also encountered. This is the first time that most of these aphid species have been reported from Kahramanmaraş and the surrounding area. *Aphis craccivora* Koch, *Aphis fabae* Scopoli, *Aphis gossypii* Glover, *Aphis nerii* Boyer de Fonscolombe, *Brachycaudus cardui* (L.), *Brachycaudus (Appelia) tragopogonis* (Kaltenbach), *Dysaphis plantaginea* (Passerini), *Hyalopterus pruni* (Geoffroy) *Myzus cerasi* (Fabricius), *Myzus (Nectarosiphon) persicae* (Sulzer, 1776), *Pterochloroides persicae* (Cholodkovsky) and *Uroleucon (Uromelan) jaceae* (L.) were the most common species. *Aphis craccivora* Koch, *Aphis fabae* Scopoli, *Brachycaudus cardui* (L.) and *Hyalopterus pruni* (Geoffroy) were found to have the highest number of hosts in descending order.

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