

**SOUTHEASTERN ANATOLIA REGION INSECT FAUNA II
(ORDER HEMIPTERA I: SUBORDER HETEROPTERA II:
TINGOIDEA, REDUVIOIDEA, ARADOIDEA, COREOIDEA,
LYGAEOIDEA) OF TURKEY**

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ABSTRACT: Evaluated on insect species in various ecologies have been conducted in the provinces (Adiyaman, Batman, Gaziantep, Diyarbakır, Mardin, Siirt, Şanlıurfa, Şırnak) of Southeastern Anatolia region between the years 1948-2019. During this study totally 208 species were found in 10 families and in 5 superfamilies of Heteroptera. Those superfamilies are Reduvioidea, Tingoidea, Aradoidea, Coreoidea and Lygaeoidea. The distribution of determined insect types according to the provinces, plant hosting and feeding type is also done. Information about their host plants, and distribution in Southeastern Anatolia Region was presented as detailed.

KEY WORDS: Insect fauna, Heteroptera, Southeastern Anatolia region, Turkey

Insects (Insecta) are the most numerous group of animals in the world, with over one million species that have been described (Price, 1997). Insects are difficult to study because they represent the most species-rich, yet one of the least known, of all taxa of living organisms, a problem that is compounded by a dearth of skilled entomologists. Although the number of described insect species is uncertain due to synonyms and the lack of a global list, most authorities recognize 900000–1000000 named morpho-species, representing 56% of all species known on Earth (Groombridge, 1992; Anonymous, 2003). Sensible estimates of the number of insects yet to be discovered range from another 1 million to 30 million species (Erwin 1982, 1991), although most predict around 2–8 million more species (May, 1990; Gaston, 1991; Stork, 1997; Ødegaard, 2000). Conservative estimates suggest that 50–90% of the existing insect species on Earth have still to be discovered, yet the named insects alone comprise more than half of all known species of organism.

Insects constitute the most diverse form of animal life in terrestrial ecosystems. Most species are innocuous and essential components of natural ecosystems. Because they are cold-blooded, the rates of key physiological processes in their life cycles are determined by environmental conditions, especially temperature and precipitation. In general they have short generation times, high fecundity and high mobility (Moore & Allard, 2008).

Turkey in fact seems to be like a small continent in terms of biological diversity. Despite the Anatolia is not a continent alone, it contains all properties of a continent that should have an ecosystem and habitat. Each of seven geographical regions in Turkey has a distinguishable climate, flora and fauna. This study aims to determine insect species found in various ecologies on Southeastern Anatolia.

Heteroptera includes 9365 species belonging to 1632 genera in Palaearctic Region (Aukema et al., 2013).

Heteroptera includes 1526 species and subspecies belonging to 40 families in Turkey (Önder et al., 2006).

This study aims to determine insect species found in various ecologies on Southeastern Anatolia region of Turkey.

MATERIAL AND METHODS

Entomology studies on insect species of Southeastern Anatolia Region (Adıyaman, Batman, Gaziantep, Diyarbakır, Mardin, Siirt, Şanlıurfa, Şırnak) in different ecological provinces were made between the years 1948-2019 (Fig. 1).

In this study, I prepared for the inventory has reached the major advantage of the waterways:

-Currently in Turkey, published or unpublished entomology journals related to scanning,

-Giving more weight to faunistic studies, and in the meantime, the insect fauna of our country foreign scientific journals that publishes articles about scanning,

-Faculty of Agriculture, Faculty of Science and Regional Plant Protection Research Institute in the library of books on insect fauna and the screening of the booklet,

-The doctorate (PhD) and the master's thesis of entomology in the region on the scanning,

-Review of other studies on the insect fauna in the area.

In this study, I evaluated the information as described above were obtained.

RESULTS AND DISCUSSION

Surveys on insect species in various ecologies have been conducted in the provinces (Adıyaman, Batman, Gaziantep, Diyarbakır, Mardin, Siirt, Şanlıurfa, Şırnak) of Southeastern Anatolia region between the years 1948-2019. Almost 2600 species and subspecies almost 180 families belonging to 13 insect orders are defined owing to these studies. The distributions of determined insect species are as follows: suborder Heteroptera included 10 families were recorded (Table 1).

Hemiptera Heteroptera Cimicomorpha Reduvidae Reduviidae

***Coranus aegyptius* (Fabricius, 1775)**

Distribution of the studies area: Southeastern Anatolia Region; Host plant: Wetland (Hoberlandt, 1955; Önder et al., 2006).

***Coranus contrarius* Reuter, 1881**

Distribution of the studies area: Gaziantep; Host plant: Wetland (Önder et al., 2006).

***Holotrichius apterus* Jakovlev, 1879**

Distribution of the studies area: Diyarbakır; Host plant: Meadow pasture (Hoberlandt, 1955; Önder et al., 2006).

***Holotrichius putoni* Reuter, 1909**

Distribution of the studies area: Gaziantep; Host plant: Meadow pasture (Önder et al., 2006).

***Holotrichius rotundatus* Stål, 1874**

Distribution of the studies area: Adıyaman; Host plant: Meadow pasture (Önder et al., 2006).

***Nagusta goedeli* Kolenati, 1857**

Distribution of the studies area: Mardin, Southeastern Anatolia Region; Host plant: Meadow pasture, Olive, Pistachio, Pomegranate (Mart & Altın, 1992; Önder et al., 2006; Kaplan et al., 2011; Şimşek & Bolu, 2016).

***Oncocephalus acutangulus* Reuter, 1882**

Distribution of the studies area: Gaziantep, Southeastern Anatolia Region; Host plant: Meadow pasture, Pomegranate (Mart & Altın, 1992; Önder et al., 2006).

***Oncocephalus fasciatus* (De Geer, 1773)**

Distribution of the studies area: Southeastern Anatolia Region; Host plant: Pomegranate (Mart & Altın, 1992).

***Oncocephalus notatus* (Klug, 1830)**

Distribution of the studies area: Diyarbakır; Host plant: Meadow pasture (Önder et al., 2006).

***Oncocephalus pugnax* Horvath, 1898**

Distribution of the studies area: Diyarbakır; Host plant: Meadow pasture (Önder et al., 2006).

***Oncocephalus squalidus* (Rossi, 1790)**

Distribution of the studies area: Gaziantep, Şanlıurfa, Southeastern Anatolia Region; Host plant: Meadow pasture, Pomegranate (Mart & Altın, 1992; Önder et al., 2006).

***Oncocephalus thoracicus* Fieber, 1861**

Distribution of the studies area: Diyarbakır; Host plant: Light trap (Önder & Adıgüzel 1979).

***Pasira basiptera* Stål, 1859**

Distribution of the studies area: Gaziantep; Host plant: Meadow pasture (Önder et al., 2006).

***Peirates hybridus* (Scopoli, 1763)**

Distribution of the studies area: Diyarbakır, Gaziantep, Siirt; Host plant: Light trap, Meadow pasture, Pistachio (Önder & Adıgüzel 1979; Önder et al., 2006; Matocq & Özgen, 2010).

***Reduvius ciliatus* Jakovlev, 1879**

Distribution of the studies area: Gaziantep, Mardin; Host plant: Meadow pasture, Cherry (Önder et al., 2006; Matocq & Özgen, 2010).

***Reduvius festai* G.-T., 1894**

Distribution of the studies area: Adıyaman; Host plant: Meadow pasture (Önder et al., 2006).

***Reduvius pallipes* Klug, 1830**

Distribution of the studies area: Diyarbakır, Siirt, Southeastern Anatolia Region; Host plant: Light trap, Pistachio, Pomegranate (Önder & Adıgüzel 1979; Mart & Altın, 1992; Önder et al., 2006; Matocq & Özgen, 2010).

***Rhynocoris christophi* (Jakovlev, 1877)**

Distribution of the studies area: Gaziantep; Host plant: Wetland (Önder et al., 2006).

***Rhynocoris erythropus* (Linnaeus, 1767)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Meadow pasture (Önder et al., 2006).

***Rhynocoris flavolimbatus* (Jakovlev, 1889)**

Distribution of the studies area: Gaziantep; Host plant: Meadow pasture (Önder et al., 2006).

***Rhynocoris niger* (Herrich-Schäffer, 1842)**

Distribution of the studies area: Diyarbakır; Host plant: Meadow pasture (Önder et al., 2006).

***Rhynocoris iracundus* (Poda, 1761)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Matocq et al., 2014).

***Rhynocoris kolenatii* Reuter, 1881**

Distribution of the studies area: Diyarbakır; Host plant: Cereal (Karaca et al., 2012).

***Rhynocoris persicus* (Jakovlev, 1877)**

Distribution of the studies area: Diyarbakır; Host plant: Meadow pasture (Önder et al., 2006).

***Rhynocoris punctiventris* (Herrich-Schäffer, 1846)**

Distribution of the studies area: Diyarbakır; Host plant: Cereal (Karaca et al., 2012).

***Stenolomus bogdanovi* Oshanin, 1870**

Distribution of the studies area: Gaziantep; Host plant: Meadow pasture (Önder et al., 2006).

***Vachiria naticola* Stål, 1859**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Meadow pasture (Önder et al., 2006).

Tingoidea**Tingidae*****Agramma atricapillum* (Spinola, 1837)**

Distribution of the studies area: Diyarbakır, Mardin, Şanlıurfa; Host plant: Agricultural area, Meadow pasture, Wetland (Önder et al., 2006).

***Campylosteira bosnica* Horvath, 1892**

Distribution of the studies area: Diyarbakır; Host plant: Light trap, Meadow pasture (Önder & Adigüzel, 1979; Önder et al., 2006).

***Cantacader quadricornis* (Lepelletier & Serville, 1828)**

Distribution of the studies area: Siirt; Host plant: Pistachio (Özgen et al., 2018).

***Catoplatus anticus* (Reuter, 1880)**

Distribution of the studies area: Gaziantep; Host plant: Meadow pasture (Önder et al., 2006).

***Catoplatus crassipes* (Fieber, 1861)**

Distribution of the studies area: Diyarbakır; Host plant: Angustifolia, Overwintering areas, Plum (Lodos et al., 1984; Maral, 2012; Maral et al., 2012).

***Catoplatus distinctus* Montandon, 1895**

Distribution of the studies area: Siirt; Host plant: The culture plant (Önder et al., 2006).

***Catoplatus hilaris* Horvath, 1906**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Meadow pasture, *Prunus amygdalus* (Önder et al., 2006; Maral, 2012; Maral et al., 2012).

***Catoplatus nigriceps* Horvath, 1905**

Distribution of the studies area: Diyarbakır; Host plant: Meadow pasture (Önder et al., 2006).

***Copium adumbratum* (Horvath, 1891)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Almond, Overwintering areas (Lodos et al., 1984; Maral, 2012; Maral et al., 2012).

***Copium clavicorne* (Linnaeus, 1758)**

Distribution of the studies area: Southeastern Anatolia Region; Host plant: Meadow pasture (Önder et al., 2006).

***Copium teucrui* (Host, 1788)**

Distribution of the studies area: Diyarbakır; Host plant: Hawthorn (Maral, 2012; Maral et al., 2012; Matocq et al., 2014).

***Dictyla echii* (Schrank, 1782)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Matocq et al., 2014).

***Dictyla nassata* (Puton, 1874)**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Dictyla triconula* (Seidenstucker, 1954)**

Distribution of the studies area: Gaziantep; Host plant: Meadow pasture (Önder et al., 2006).

***Elasmotropis testacea* (Herrich-Schäffer, 1830)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Cirsium* sp., Oak, Pistachio, *Populus* sp., *Pyrus malus*, *Quercus* sp. (Maral, 2012; Maral et al., 2012; Şimşek & Bolu, 2017).

***Galeatus helianthi* Önder & Lodos, 1977**

Distribution of the studies area: Diyarbakır, Batman, Mardin, Siirt, Şanlıurfa; Host plant: Sunflower (Kıran, 1978).

***Galeatus scrophicus* Saunders, 1876**

Distribution of the studies area: Southeastern Anatolia Region; Host plant: Meadow pasture, The culture plant (Önder et al., 2006).

***Hyalochiton multiseriatus* (Reuter, 1888)**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Unknown (Péricart, 1983; Matocq et al., 2014).

***Kalama tricornis* (Schrank, 1801)**

Distribution of the studies area: Diyarbakır; Host plant: *Elaeagnus* sp., Oak (Maral, 2012; Maral et al., 2012).

***Lasiacantha hedenborgii* (Stål, 1873)**

Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: *Crataegus* sp., Pistachio (Bolu, 2002; Maral, 2012; Maral et al., 2012).

***Monosteira lobulifera* Reuter, 1888**

Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: Pistachio, Almond, Peach, Poplar, The culture plant, Willow (Bolu, 2002; Bolu et al., 2005; Önder et al., 2006; Bolu, 2007; Bolu et al., 2011; Maral, 2012; Maral et al., 2012; Şimşek & Bolu, 2017).

***Monosteira unicastata* (Mulsant & Rey, 1852)**

Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: Pistachio, Almond, Peach, Poplar, The culture plant, Willow (Önder & Adıgüzel 1979; Bolu, 2002; Bolu et al., 2005; Önder et al., 2006; Bolu, 2007; Bolu et al., 2011; Maral, 2012; Maral et al., 2012; Şimşek & Bolu, 2017).

***Physatocheila confinis* Horváth, 1905**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Prunus amygdalus*, *Prunus mahlep* (Maral, 2012; Maral et al., 2012).

***Stephanitis oschanini* Vasiliev, 1935**

Distribution of the studies area: Gaziantep; Host plant: Meadow pasture (Önder et al., 2006).

***Stephanitis pyri* (Fabricius, 1775)**

Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: Pistachio, Almond, Peach, Poplar, The culture plant, Willow (Önder & Adıgüzel 1979; Bolu, 2002; Bolu et al., 2005; Önder et al., 2006; Bolu, 2007; Bolu et al., 2011; Maral, 2012; Maral et al., 2012; Maral et al., 2012; Şimşek & Bolu, 2017).

***Tingis auriculata* (Costa, 1847)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Tingis elongata* (Fieber, 1861)**

Distribution of the studies area: Gaziantep; Host plant: Meadow pasture (Önder et al., 2006).

***Tingis grisea* Germar, 1835**

Distribution of the studies area: Diyarbakır; Host plant: Agricultural area, Scrub and Grassland Overwintering areas (Lodos et al., 1984; Önder et al., 2006).

***Tingis hellenica* (Puton, 1877)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Crataegus* sp., *Quercus* sp. (Maral, 2012; Maral et al., 2012).

***Tingis reuteri* Horvath, 1906**

Distribution of the studies area: Gaziantep; Host plant: Meadow pasture (Önder et al., 2006).

***Urentius chobauti* Horvath, 1907**

Distribution of the studies area: Gaziantep; Host plant: Meadow pasture (Önder et al., 2006).

***Urentius euonymus* Distant, 1909**

Distribution of the studies area: Diyarbakır; Host plant: *Althea* spp. (Malvaceae) (Bolu et al., 2019).

Pentatomomorpha**Aradoidea****Aradidae*****Aradus betulae* (Linnaeus, 1758)**

Distribution of the studies area: Gaziantep; Host plant: Agricultural and forest areas (Önder et al., 2006).

***Aradus brenskei* Reuter, 1884**

Distribution of the studies area: Gaziantep; Host plant: Agricultural area (Önder et al., 2006).

***Aradus cilicum* Heiss, 1990**

Distribution of the studies area: Gaziantep; Host plant: Forest area (Önder et al., 2006).

***Aradus flavicornis* Dalman, 1823**

Distribution of the studies area: Siirt; Host plant: Pistachio (Matocq & Özgen, 2010).

***Aradus krueperi* Reuter, 1884**

Distribution of the studies area: Gaziantep; Host plant: Agricultural area (Önder et al., 2006).

***Aradus versicolor* Herrich-Schäffer, 1839**

Distribution of the studies area: Gaziantep; Host plant: Forest area (Önder et al., 2006).

Coreoidea**Alydidae*****Alydus annulatus* Brullé, 1832**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Almond (Bolu et al., 2005).

***Camptopus lateralis* (Germar, 1817)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

Coreidae***Arenocoris waltlii* (Herrich-Schäffer, 1834)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984; Matocq et al., 2014).

***Centrocoris spiniger* (Fabricius, 1781)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Matocq et al., 2014).

***Centrocoris variegatus* Kolenati, 1845**

Distribution of the studies area: Mardin; Host plant: Vineyard (Özgen, 2012).

***Ceraleptus obtusus* (Brulle, 1839)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Gözüaçık, 2012).

***Coreus marginatus* (Linnaeus, 1758)**

Distribution of the studies area: Mardin; Host plant: Unknown (Matocq et al., 2014).

***Coriomeris affinis* (Herrich-Schäffer, 1839)**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Coriomeris denticulatus* (Scopoli, 1763)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Gözüaçık, 2012).

***Coriomeris hirticornis* (Fabricius, 1794)**

Distribution of the studies area: Diyarbakır; Host plant: Light trap, Overwintering areas (Önder & Adıgüzel 1979; Lodos et al., 1984; Matocq et al., 2014).

***Coriomeris spinolai* (Costa, 1847)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos, et al., 1984).

***Coriomeris vitticolis* Reuter, 1900**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Enoplops disciger* (Kolenati, 1845)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Gözüaçık, 2012).

Rhopalidae***Agraphopus lethierryi* Stål, 1872**

Distribution of the studies area: Mardin; Host plant: Scrub and Meadows areas (Önder et al., 2006).

***Agraphopus pallens* Schmidt, 1939**

Distribution of the studies area: Mardin; Host plant: Scrub and Meadows areas (Önder et al., 2006).

***Brachycarenum tigrinus* (Schilling, 1829)**

Distribution of the studies area: Diyarbakır; Host plant: Light trap (Önder & Adıgüzel 1979; Matocq et al., 2014).

***Chorosoma schillingi* (Schilling, 1829)**

Distribution of the studies area: Diyarbakır; Host plant: Light trap (Önder & Adıgüzel 1979; Matocq et al., 2014).

***Corizus brevicornis* Horváth, 1917**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Corizus hyoscyami* (Linnaeus, 1758)**

Distribution of the studies area: Diyarbakır; Host plant: Legume forage crops, Overwintering areas (Lodos et al., 1984; Akkaya, 1995).

***Corizus fenestella* Horvath, 1917**

Distribution of the studies area: Diyarbakır; Host plant: Scrub and Meadows areas (Önder et al., 2006).

***Corizomorpha janowskyi* Jakovlev, 1882**

Distribution of the studies area: Diyarbakır; Host plant: Scrub and Meadows areas (Önder et al., 2006).

***Liorhysus hyalinus* (Fabricius, 1794)**

Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: Cherry, Legume forage crops, Light trap, Tobacco (Önder & Adıgüzel 1979; Karaat, 1986; Akkaya, 1995; Matocq & Özgen, 2010; Matocq et al., 2014).

***Maccevethus errans caucasicus* (Kolenati, 1845)**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Maccevethus caucasicus* (Kolenati, 1845)**

Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: Cherry, Legume forage crops, Overwintering areas, Tobacco (Lodos et al., 1984; Karaat, 1986; Akkaya, 1995; Matocq & Özgen, 2010).

***Rhopalus lepidus* Fieber, 1861**

Distribution of the studies area: Gaziantep; Host plant: Scrub and Meadows areas (Önder et al., 2006).

***Rhopalus maculatus* (Fieber, 1836)**

Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Siirt; Host plant: Scrub and Meadows areas (Önder et al., 2006; Matocq et al., 2014).

***Rhopalus parumpunctatus* Schilling, 1829**

Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: Overwintering areas, Pistachio (Lodos et al., 1984; Bolu, 2002; Matocq et al., 2014).

***Rhopalus subrufus* (Gmelin, 1788)**

Distribution of the studies area: Southeastern Anatolia Region; Host plant: Agricultural area, Forest area, Meadow pasture (Önder et al., 2006; Matocq et al., 2014).

***Stictopleurus abutilon* (Rossi, 1790)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Matocq et al., 2014).

***Stictopleurus crassicornis* (Linnaeus, 1758)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Stictopleurus riveti* Royer, 1923**

Distribution of the studies area: Diyarbakır, Siirt, Şanlıurfa; Host plant: Light trap, Scrub and Meadows areas (Önder & Adıgüzel 1979; Önder et al., 2006).

Stenocephalidae***Dicranocephalus marginatus* (Ferrari, 1874)**

Distribution of the studies area: Diyarbakır; Host plant: Scrub and Meadows areas (Önder et al., 2006).

***Dicranocephalus putoni* (Horvath, 1897)**

Distribution of the studies area: Gaziantep; Host plant: Scrub and Meadows areas (Önder et al., 2006).

***Dicronacephalus setulosus* (Ferrari, 1874)**

Distribution of the studies area: Diyarbakır; Host plant: Scrub and Meadows areas (Önder et al., 2006).

Lygaeoidea**Berytidae*****Berytinus clavipes* Fabricius, 1775**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Berytinus (Berytinus) hirticornis nigrolineatus* (Jakovlev, 1903)**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Berytinus montivagus* Meyer-Dür, 1841**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Berytinus striola* Ferrari, 1874**

Distribution of the studies area: Southeastern Anatolia Region; Host plant: Pistachio (Bolu, 2002).

***Campsocoris* sp. nr. *punctipes* Germ.**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Gampsocoris punctipes pallidus* Hoberlandt, 1951**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Metacanthus (Metacanthus) meridionalis* (A. Costa, 1843)**

Distribution of the studies area: Mardin; Host plant: Unknown (Matocq et al., 2014).

***Neides brevipennis* Puton, 1895**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

Lygaeidae***Aellopus atratus* (Goeze, 1778)**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Aphanus rolandri* (Linné, 1758)**

Distribution of the studies area: Mardin; Host plant: Unknown (Matocq et al., 2014).

***Apterola rubicunda* (Stål, 1872)**

Distribution of the studies area: Gaziantep; Host plant: Forest, Scrub and Meadows areas (Önder et al., 2006).

***Artheneis alutacea* Fieber, 1861**

Distribution of the studies area: Gaziantep; Host plant: Scrub and Meadows areas (Önder et al., 2006).

***Artheneis balcanica* (Kormilev, 1938)**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Scrub and Meadows areas (Önder et al., 2006; Matocq et al., 2014).

***Auchenodes capito* Horvath, 1891**

Distribution of the studies area: Gaziantep; Host plant: Scrub and Meadows areas (Önder et al., 2006).

***Beosus maritimus* (Scopoli, 1763)**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Light trap, Scrub and Meadows areas (Önder & Adıgüzel 1979; Önder et al., 2006).

***Beosus quadripunctatus* (Müller, 1766)**

Distribution of the studies area: Diyarbakır, Gaziantep, Mardin, Siirt; Host plant: Pistachio, Scrub and Meadows areas (Önder et al., 2006; Matocq & Özgen, 2010; Matocq et al., 2014).

***Brachyplax palliata* (Costa, 1852)**

Distribution of the studies area: Gaziantep; Host plant: Scrub and Meadows areas (Önder et al., 2006).

***Camptocera glaberrima* (Walker, 1872)**

Distribution of the studies area: Diyarbakır, Gaziantep, Siirt; Host plant: Light trap, Pistachio, Scrub and Meadows areas (Önder & Adıgüzel 1979; Önder et al., 2006; Matocq & Özgen, 2010).

***Corizus hyoscyami* (Linnaeus, 1758)**

Distribution of the studies area: Diyarbakır; Host plant: Pistachio (Şimşek & Bolu, 2017).

***Cymophyes ochrolenca* Fieber, 1870**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Agricultural area and Wetland (Önder et al., 2006; Matocq et al., 2014).

***Cymus claviculus* (Fallen, 1807)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Cymus melanocephalus* Fieber, 1861**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: *Cistus* sp., *Cupressus* sp., *Gossypium* sp., *Inula* sp., *Juncus* sp., *Medicago sativa*, *Phragmites* sp., *Quercus* sp., *Rubus* sp., *Tamarix* sp., *Trifolium* sp., *Triticum* sp., *Verbascum* sp., Leguminous plants, Weeds (Lodos et al., 1999; Matocq et al., 2014).

***Drymus (Drymus) pilipes* Fieber, 1861**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Matocq et al., 2014).

***Drymus (Sylvadrymus) brunneus confinis* Reuter, 1893**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Matocq et al., 2014).

***Emblethis angustus* Montandon, 1890**

Distribution of the studies area: Siirt; Host plant: Pistachio (Matocq & Özgen, 2010).

***Emblethis denticollis* Horvath, 1878**

Distribution of the studies area: Gaziantep, Siirt; Host plant: Pistachio, Scrub and Meadows areas (Önder et al., 2006; Matocq & Özgen, 2010).

***Emblethis kareli* Hoberlandt, 1955**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Emblethis setifer* Seidenstücker, 1966**

Distribution of the studies area: Mardin; Host plant: Unknown (Matocq et al., 2014).

***Emblethis verbasci* (Fabricius, 1803)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Light trap (Önder & Adıgüzel 1979; Matocq et al., 2014).

***Eremocoris fenestratus* (Herrich-Schaeffer, 1839)**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Geocoris arenarius* (Jakovlev, 1867)**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Melon, Watermelon, Rocky and sand dune field (Çakır & Önder, 1990; Önder et al., 2006; Büyük & Özpınar, 1999).

***Geocoris ater* (Fabricius, 1787)**

Distribution of the studies area: Gaziantep, Southeastern Anatolia Region; Host plant: Cotton, *Arbutus* sp., *Berberis* sp., *Cedrus* sp., *Convolvulus* sp., *Juncus* sp., *Medicago maritimus*, *M. minima*, *Onopordum* sp., *Salix* sp., *Verbascum* sp., Weeds, on the ground and under stone; Host insect: *Psallus ancorifer* (Çakır & Önder, 1990; Göven, 1995; Lodos et al., 1999).

***Geocoris grylloides* (Linnaeus, 1791)**

Distribution of the studies area: Mardin; Host plant: Rocky and sand dune field (Çakır & Önder, 1990; Önder et al., 2006).

***Geocoris megacephalus* (Rossi, 1790)**

Distribution of the studies area: Adıyaman, Diyarbakır, Mardin, Siirt, Şanlıurfa; Host plant: Cotton, Light trap, Rocky and sand dune field (Önder & Adıgüzel 1979; Çakır & Önder, 1990; Göven & Efil, 1994; Matocq et al., 2014).

***Geocoris pallidipennis* (Costa, 1843)**

Distribution of the studies area: Adıyaman, Diyarbakır, Mardin, Şanlıurfa; Host plant: Cotton, Light trap, Melon, Watermelon, Rocky and sand dune field (Önder & Adıgüzel 1979; Çakır & Önder, 1990; Göven & Efil, 1994; Büyük & Özpınar, 1999).

***Geocoris (Geocoris) phaeopterus* (Germar, 1838)**

Distribution of the studies area: Mardin; Host plant: Unknown (Matocq et al., 2014).

***Geocoris (Piocoris) erythrocephalus* (Lepeletier & Serville, 1825)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Matocq et al., 2014).

***Geocoris (Piocoris) luridus* (Fieber, 1844)**

Distribution of the studies area: Diyarbakır; Host plant: Pistachio (Şimşek & Bolu, 2016).

***Geocoris (Piocoris) putonianus* Bergroth, 1892**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Matocq et al., 2014).

***Heterogaster artemisiae* Schilling, 1829**

Distribution of the studies area: Southeastern Anatolia Region; Host plant: Pomegranate (Mart & Altın, 1992).

***Heterogaster urticae* (Fabricius, 1775)**

Distribution of the studies area: Gaziantep; Host plant: *Armeniaca vulgaris*, *Laurus* sp., Pistachio, *Triticum* sp., *Urtica* sp., *Verbascum* sp., Weeds (Lodos et al., 1999; Bolu, 2002).

***Ischnodemus genei* (Spinola, 1837)**

Distribution of the studies area: Mardin; Host plant: Unknown (Matocq et al., 2014).

***Ischnodemus suturalis* Horvath, 1883**

Distribution of the studies area: Gaziantep; Host plant: *Centaurea* sp., *Pinus* sp., Weeds, Scrub and grasslands (Lodos et al., 1999; Önder et al., 2006).

***Ischnopeza pallipes* Puton, 1892**

Distribution of the studies area: Mardin; Host plant: Unknown (Matocq et al., 2014).

***Lamprodema maurum* (Fabricius, 1803)**

Distribution of the studies area: Diyarbakır, Gaziantep, Siirt; Host plant: Light trap, Pistachio, Scrub and grasslands (Önder & Adıgüzel 1979; Önder et al., 2006; Matocq & Özgen, 2010).

***Lasiocoris anomalus* (Kolenati, 1845)**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Leptodemus minutus* Jakovlev, 1874**

Distribution of the studies area: Gaziantep, Siirt; Host plant: Pistachio, *Salix* sp. (Lodos et al., 1999; Matocq & Özgen, 2010).

***Lethaeus cribratissimus* (Stål, 1859)**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Scrub and grasslands (Önder et al., 2006; Matocq et al., 2014).

***Lethaeus lethierryi* (Puton, 1869)**

Distribution of the studies area: Diyarbakır; Host plant: Light trap, Scrub and grasslands (Önder & Adıgüzel 1979; Önder et al., 2006).

***Lethaeus picipes* (Herrich-Schäffer, 1853)**

Distribution of the studies area: Diyarbakır, Mardin, Siirt; Host plant: Light trap, Pistachio, Scrub and grasslands (Önder & Adıgüzel 1979; Önder et al., 2006; Matocq & Özgen, 2010).

***Lygaeosoma reticulata* Herrich-Schaeffer, 1838**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Lygaeosoma reticulatum* (Herrich-Schäffer, 1839)**

Distribution of the studies area: Gaziantep, Southeastern Anatolia Region; Host plant: Pistachio, Scrub and grasslands, *Acer* sp., *Astragalus* sp., *Centaurea* sp., *Juniperus* sp., *Onopordum* sp., *Quercus* sp., *Verbascum* sp., Weeds (Lodos et al., 1999; Bolu, 2002; Önder et al., 2006).

***Lygaeus creticus* (Lucas, 1854)**

Distribution of the studies area: Gaziantep, Mardin; Host plant: Scrub and grasslands, *Elaeagnus argentea*, *Nerium oleander*, *Prunus amygdalis*, *P. persica*, *Rhus* sp., borraginaceaeous plants (Lodos et al., 1999; Önder et al., 2006; Matocq et al., 2014).

***Lygaeus equestris* (Linné, 1758)**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Lygaeus pandurus* (Scopoli, 1763)**

Distribution of the studies area: Gaziantep; Host plant: *Abies* sp., *Althaea rosae*, *Asphodaline* sp., *Asphodelus* sp., *Astragalus* sp., *Centaurea* sp., *Cirsium* sp.,

Cistus sp., *Cupressus* sp., *Eleagnus orientalis*, *Escholtzia* sp., *Genista* sp., *Hedera* sp., *Hordeum vulgare*, *Juniperus* sp., *Onobrychis* sp., *Laurus nobilis*, *Morus* sp., *Nerium oleander*, *Onopordum* sp., *Pinus* sp., *Quercus ilex*, *Rosa* sp., *Rhus* sp., *Styrax* sp., *Triticum vulgare*, *Verbascum* sp., *Vitis vinifera*, Poaceous plants, Weeds (Lodos et al., 1999; Önder et al., 2006).

***Lygaeus saxatilis* (Scopoli, 1763)**

Distribution of the studies area: Gaziantep, Southeastern Anatolia Region; Host plant: *Alhagi* sp., *Astragalus* sp., *Beta vulgaris*, *Cannabis sativa*, *Centaurea* sp., *Chenopodium* sp., *Cirsium* sp., *Convolvulus* sp., *Cupressus* sp., *Genista* sp., *Hordeum* sp., *Hypericum* sp., *Juncus* sp., *Juniperus* sp., *Medicago sativa*, *Onopordum* sp., *Pinus* sp., *Pyrus malus*, *Prunus armeniaca*, *Quercus* sp., *Ulmus* sp., *Verbascum* sp., *Viscum album*, Cruciferaous plants, Poaceous plants, Weeds (Lodos et al., 1999; Önder et al., 2006).

***Lygaeus equestris* (Linnaeus, 1758)**

Distribution of the studies area: Diyarbakır, Southeastern Anatolia Region; Host plant: Pistachio, Pomegranate (Mart & Altın, 1992; Şimşek & Bolu, 2017).

***Macroplox fasciata* (Herrich-Schäffer, 1835)**

Distribution of the studies area: Gaziantep; Host plant: *Astragalus* sp., *Citrus* sp., *Onopordum* sp., *Pyrus communis*, *Quercus* sp., *Rubus* sp., *Styrax* sp., *Tamarix* sp., *Triticum* sp., *Veronica* sp., different species of weeds (Lodos et al., 1999).

***Megalonotus colon* Puton, 1874**

Distribution of the studies area: Diyarbakır, Gaziantep, Siirt; Host plant: Light trap, Overwintering areas, Pistachio, Scrub and grasslands (Lodos et al., 1984; Lodos et al., 1999; Önder et al., 2006; Matocq & Özgen, 2010; Matocq et al., 2014).

***Megalonotus longipilis* (Puton, 1884)**

Distribution of the studies area: Diyarbakır; Host plant: Light trap (Önder & Adıgüzel 1979).

***Megalonotus maximus* (Puton, 1895)**

Distribution of the studies area: Siirt; Host plant: Pistachio (Matocq & Özgen, 2010).

***Megalonotus praetextatus* (Herrich-Schäffer, 1835)**

Distribution of the studies area: Gaziantep; Host plant: Scrub and grasslands (Önder et al., 2006).

***Megalonotus setosus* Puton, 1874**

Distribution of the studies area: Diyarbakır; Host plant: Light trap (Önder & Adıgüzel 1979).

***Megalonotus sabulicola* (Thomson, 1870)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Melanocoryphus sefrensis* (Reuter, 1900)**

Distribution of the studies area: Gaziantep; Host plant: Scrub and grasslands, Wooded area (Önder et al., 2006).

***Melanocoryphus tristrami* (Douglas & Scott, 1868)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Melanocoryphus superbus* (Pollach, 1779)**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Light trap, Scrub and grasslands, (Önder & Adıgüzel 1979; Önder et al., 2006).

***Metopoplax fuscineris* Stål, 1872**

Distribution of the studies area: Gaziantep; Host plant: *Artemisia* sp., *Astragalus* sp., *Citrus* sp., *Malus communis*, *Matricaria chamomilla*, *Pinus* sp., *Sinapis* sp.,

Triticum sp., *Urtica* sp., *Verbascum* sp., different species of weeds Scrub and grasslands (Lodos et al., 1999; Önder et al., 2006).

***Metopoplax origani* (Kolenati, 1845)**

Distribution of the studies area: Diyarbakır, Gaziantep, Mardin, Southeastern Anatolia Region; Host plant: Light trap, Pistachio (Önder & Adıgüzel 1979; Bolu, 2002; Matocq et al., 2014).

***Microplax albofasciata* (Costa, 1847)**

Distribution of the studies area: Gaziantep; Host plant: Scrub and grasslands (Önder et al., 2006).

***Microplax interrupta* (Fieber, 1836)**

Distribution of the studies area: Diyarbakır, Gaziantep, Mardin; Host plant: Scrub and grasslands, Overwintering areas, *Juncus* sp., *Juniperus* sp., *Mentha* sp., *Quercus* sp., *Salvia* sp., *Verbascum* sp., on weeds (Lodos et al., 1984; Lodos et al., 1999; Önder et al., 2006; Matocq et al., 2014).

***Microplax limbata* Fieber, 1864**

Distribution of the studies area: Gaziantep, Southeastern Anatolia Region; Host plant: Pistachio, *Cedrus* sp., *Olea europea*, *Pistacia terebinthus*, *Quercus* sp., *Salix* sp., poaceous plants and different species of weeds, Scrub and grasslands (Lodos et al., 1999; Bolu, 2002; Önder et al., 2006; Matocq et al., 2014).

***Neurocladus brachioides* (Dufour, 1851)**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Nysius carinata* Lindberg, 1932**

Distribution of the studies area: Diyarbakır; Host plant: Light trap (Önder & Adıgüzel 1979).

***Nysius cymoides* (Spinola, 1837)**

Distribution of the studies area: Diyarbakır, Gaziantep, Mardin, Southeastern Anatolia Region; Host plant: Light trap, Overwintering areas, Pistachio, Scrub and grasslands, *Acacia* sp., *Agropyron* sp., *Beta vulgaris* var. *altissima*, *Centaurea* sp., *Chenopodium* sp., *Cirsium* sp., *Matricaria* sp., *Mentha* sp., *Medicago sativa*, *Pyrus communis*, *Quercus* sp., *Salvia* sp., *Juncus* sp., *Rhus* sp., *Vicia* sp. (Önder & Adıgüzel 1979; Lodos et al., 1984; Lodos et al., 1999; Bolu, 2002; Matocq & Özgen, 2010; Özgen, 2012).

***Nysius ericae* (Schilling, 1829)**

Distribution of the studies area: Gaziantep; Host plant: *Anthemis* sp., *Antirrhinum majus*, *Astragalus* sp., *Centaurea* sp., *Chenopodium* sp., *Cirsium* sp., *Juncus* sp., *Matricaria* sp., *Medicago sativa*, *Mentha* sp., *Phloemis* sp., *Quercus ilex*, *Q. macrolepis*, *Salvia* sp., *Sambucus* sp., *Tamarix* sp., *Triticum* sp., *Verbascum* sp., *Vicia* sp., Scrub and grasslands (Lodos et al., 1999; Önder et al., 2006).

***Nysius graminocola* (Kolenati, 1846)**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Light trap, Pistachio, Scrub and grasslands, *Allium cepa*, *Ammi* sp., *Beta vulgaris* var. *altissima*, *Chenopodium* sp., *Cicer arietinum*, *Cirsium* sp., *Crataegus* sp., *Echium* sp., *Gossypium* sp., *Grammea* sp., *Inula* sp., *Juncus* sp., *Lens culinaris*, *Matricaria chamomilla*, *Medicago sativa*, *Mentha* sp., *Onopordum* sp., *Pinus* sp., *Rhus* sp., *Salvia* sp., *Scrophularia* sp., *Şinapis* sp., *Tamarix* sp., *Triticum* sp., *Verbascum* sp., poaceous plants, weeds (Önder & Adıgüzel 1979; Lodos et al., 1999; Önder et al., 2006; Özgen, 2012).

***Nysius punctipennis* (Herrich-Schäffer, 1838)**

Distribution of the studies area: Diyarbakır; Host plant: Light trap, Scrub and grasslands (Önder & Adıgüzel 1979; Önder et al., 2006).

***Nysius senecionis* (Schilling, 1829)**

Distribution of the studies area: Diyarbakır; Host plant: Light trap (Önder & Adıgüzel 1979).

***Nysius stalianus* Horvath, 1890**

Distribution of the studies area: Diyarbakır; Host plant: Light trap, Scrub and grasslands (Önder & Adıgüzel 1979; Önder et al., 2006).

***Nysius thymi* (Wolff, 1804)**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Light trap, Scrub and grasslands, *Centaurea* sp., *Cicer arietinum*, *Glycyrrhiza glabra*, *Gossypium* sp., *Juniperus* sp., *Mentha* sp., *Phloemis* sp., *Salvia* sp., *Sinapis* sp., *Tamarix* sp., *Thymus vulgaris*, *Triticum* sp., *Verbascum* sp., poaceous plants, Weeds (Önder & Adıgüzel 1979; Lodos et al., 1999; Önder et al., 2006).

***Orsillus reyi* Puton, 1871**

Distribution of the studies area: Gaziantep; Host plant: Forest area, *Cupressus* sp., *Juniperus* sp., *Pinus* sp., weeds (Lodos et al., 1999; Önder et al., 2006).

***Ortholomus carinatus* (Lindberg, 1932)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Matocq et al., 2014).

***Ortholomus jordani* Hoberlandt, 1953**

Distribution of the studies area: Gaziantep; Host plant: *Poterium* sp., Scrub and grasslands (Lodos et al., 1999; Önder et al., 2006).

***Oxycarenus hyalinipennis* (Costa, 1838)**

Distribution of the studies area: GAP area; Host plant: Cotton (Özpinar & Yücel, 2002).

***Oxycarenus pallens* (Herrich-Schäffer, 1853)**

Distribution of the studies area: Diyarbakır, Gaziantep, Siirt, Southeastern Anatolia Region; Host plant: Light trap, Overwintering areas, Pistachio, Scrub and grasslands, *Althaea rosae*, *Amygdalus* sp., *Astragalus* sp., *Beta vulgaris*, *Capparis* sp., *Centaurea solstitialis*, *Cirsium* sp., *Daucus* sp., *Fagus* sp., *Hordeum* sp., *Inula* sp., *Juncus* sp., *Juniperus* sp., *Matricaria chamomilla*, *Medicago sativa*, *Olea europea*, *Onopordum* sp., *Phloemis* sp., *Pyrus malus*, *Quercus* sp., *Rhus* sp., *Rubus* sp., *Salix* sp., *Sinapis* sp., *Sonchus* sp., *Tamarix* sp., *Triticum* sp., *Verbascum* sp., poaceous plants, leguminosaeous plants, weeds (Önder & Adıgüzel 1979; Lodos et al., 1984; Lodos et al., 1999; Bolu, 2002; Önder et al., 2006; Matocq & Özgen, 2010).

***Paranysius fraterculus* Horvath, 1895**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Light trap, Scrub and grasslands (Önder & Adıgüzel 1979; Lodos et al., 1999; Önder et al., 2006).

***Pachybrachius fracticollis* (Schilling, 1829)**

Distribution of the studies area: Diyarbakır; Host plant: Light trap, Scrub and grasslands (Önder & Adıgüzel 1979; Önder et al., 2006).

***Peritrechus flavicornis* Jakovlev, 1877**

Distribution of the studies area: Siirt; Host plant: Pistachio (Matocq & Özgen, 2010).

***Peritrechus gracilicornis* Puton, 1877**

Distribution of the studies area: Diyarbakır; Host plant: Light trap, Overwintering areas (Önder & Adıgüzel 1979; Lodos et al., 1984).

***Peritrechus rhomboidalis* Puton, 1877**

Distribution of the studies area: Siirt; Host plant: Pistachio (Matocq & Özgen, 2010).

***Plinthisus marginatus* Fabricius, 1874**

Distribution of the studies area: Gaziantep; Host plant: Scrub and grasslands, Weeds (Lodos et al., 1999; Önder et al., 2006).

***Piocoris arenarius* (Jakovlev, 1867)**

Distribution of the studies area: Diyarbakır; Host plant: Light trap (Önder & Adıgüzel 1979).

***Piocoris erythrocephalus* (Poisson & Serville, 1825)**

Distribution of the studies area: Gaziantep, Southeastern Anatolia Region; Host plant: Cotton *Althaea* sp., *Anchusa* sp., *Astragalus* sp., *Ballota* sp., *Cannabis* sp., *Centaurea* sp., *Cirsium* sp., *Cistus* sp., *Crateagus* sp., *Daucus* sp., *Fagus* sp., *Glychirizza glabra*, *Inula* sp., *Juglans regia*, *Juniperus* sp., *Lathyrus* sp., *Medicago sativa*, *Mentha* sp., *Olea europea*, *Onopordum* sp., *Pinus* sp., *Phaseolus vulgaris*, *Pistacia vera*, *Pyrus angustifolia*, *P. malus*, *Populus* sp., *Prunus armeniaca*, *Punica granatum*, *Quercus* sp., *Rhus* sp., *Rosa* sp., *Rubus* sp., *Salix* sp., *Salvia* sp., *Sesamum indicum*, *Sinapis* sp., *Spinacia oleracea*, *Tamarix* sp., *Urtica* sp., *Verbascum* sp., *Veronica* sp., *Vitex agnus-castus*, Poaceous and Umbelliferaeous plants, Weeds (Karaat et al., 1986; Göven & Efil, 1994; Göven, 1995; Lodos et al., 1999).

***Piocoris luridus* Fieber, 1844**

Distribution of the studies area: Diyarbakır, Gaziantep, Siirt, Southeastern Anatolia Region; Host plant: Light trap, Overwintering areas, Pistachio, Scrub and grasslands, *Amygdalus communis*, *Armeniaca vulgaris*, *Cedrus* sp., *Centaurea* sp., *Ligustrum* sp., *Matricaria* sp., *Pistacia vera*, *Platanus orientalis*, *Prunus domestica*, *Punica granatum*, *Quercus* sp., *Rubus* sp., *Salix* sp., *Sinapis* sp., *Spinacia oleracea*, *Tamarix* sp., *Ulmus* sp., *Urtica* sp., *Verbascum* sp., *Viburnum* sp., Umbelliferous plants, Weeds (Karat et al., 1986; Lodos et al., 1999; Bolu, 2002; Bolu et al., 2005; Önder et al., 2006).

***Plinthisus marginatus* Fabricius, 1874**

Distribution of the studies area: Gaziantep; Host plant: Scrub and grasslands (Önder et al., 2006).

***Rhyparochromus phoeniceus* (Rossi, 1794)**

Distribution of the studies area: Diyarbakır; Host plant: Overwintering areas (Lodos et al., 1984).

***Rhyparochromus reuteri* (Horvath, 1885)**

Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Light trap, Overwintering areas, Scrub and grasslands (Önder & Adıgüzel 1979; Lodos et al., 1984; Önder et al., 2006).

***Rhyparochromus saturnius* (Rossi, 1790)**

Distribution of the studies area: Gaziantep; Host plant: Scrub and grasslands (Lodos et al., 1999; Önder et al., 2006).

***Scolopostethus cognatus* Fieber, 1861**

Distribution of the studies area: Gaziantep; Host plant: Scrub and grasslands, *Urtica* sp., *Verbascum* sp., Weeds (Lodos et al., 1999; Önder et al., 2006).

***Spilosthetus pandurus* (Scopoli, 1763)**

Distribution of the studies area: Diyarbakır, Mardin; Host plant: Almond (Bolu et al., 2005; Matocq et al., 2014).

***Spilosthetus saxatilis* (Scopoli, 1763)**

Distribution of the studies area: Diyarbakır; Host plant: Unknown (Matocq et al., 2014).

***Tropistethus holosericeus* (Scholtz, 1847)**

Distribution of the studies area: Diyarbakır; Host plant: Light trap (Önder & Adıgüzel 1979).

***Tropistethus lanternae* Linnavuori, 1960**

Distribution of the studies area: Siirt; Host plant: Pistachio (Matocq & Özgen, 2010).

***Tropistethus majusculus* Horvath, 1881**

Distribution of the studies area: Diyarbakır; Host plant: Light trap (Önder & Adgüzel 1979).

***Xantochilus minusculus* (Reuter, 1885)**

Distribution of the studies area: Siirt; Host plant: Pistachio (Matocq & Özgen, 2010).

***Xanthochilus saturnius* (Rossi, 1790)**

Distribution of the studies area: Siirt; Host plant: Pistachio (Matocq & Özgen, 2010).

Pyrrhocoridae***Pyrrhocoris apterus* (Linnaeus, 1758)**

Distribution of the studies area: Siirt; Host plant: Pistachio (Matocq et al., 2014).

***Scantius aegyptius aegyptius* (Linnaeus, 1758)**

Distribution of the studies area: Siirt; Host plant: Pistachio (Matocq et al., 2014).

LITERATURE CITED

- Akkaya, A.** 1995. Güneydoğu Anadolu Bölgesinde Baklagil Yem Bitkilerinde Entomolojik Sorunlar ve Çözüm Önerileri. GAP Bölgesindeki Bitki Koruma Sorunları ve Çözüm Önerileri Sempozyumu Bildirileri, Şanlıurfa, Türkiye, 304-316 s.
- Anonymous,** 2003. Measuring biodiversity for conservation. The Royal Society, London. 65 p.
- Aukema, B., Rieger, C. & Rabitsch, W.** 2013. Catalogue of the Heteroptera of the Palaearctic Region. Vol. 6. Supplement. Amsterdam, the Netherlands: Netherland Entomological Society, 629 pp.
- Bolu, H.** 2002. Güneydoğu Anadolu Bölgesi Antepfıstığı Alanlarındaki Böcek ve Akar Faunasının Saptanması. Türkiye Entomoloji Dergisi, 26 (3): 197-208.
- Bolu, H.** 2007. Population's dynamics of Lacebugs (Heteroptera: Tingidae) and its natural enemies in almond orchards of Turkey. J. Ent. Res. Soc., 9 (1): 33-37.
- Bolu, H., Çelik, H. & Kuştoğan, N.** 2019. The "Adasi" Lace Bug *Urentius euonymus* Distant, 1909 (Hemiptera: Heteroptera: Tingidae) a new pest on *Althea* spp. (Malvaceae) in Southeastern Anatolian Region of Turkey. Mun. Ent. Zool., 14 (1): 265-269.
- Bolu, H., Çınar, M. & Özgen, İ.** 2005. Diyarbakır, Elazığ, Mardin Bademlerinde Zararlı ve Yararlı Böcek Türlerinin Belirlenmesi ve Önemli Türlerin Populasyon Değişimleri Üzerinde Araştırmalar. Tubitak Proje No: TOGTAG-2886, 93 pp.
- Büyükc, M. & Özpınar, A.** 1999. Diyarbakır İli Kavun ve Karpuz Ekim Alanlarında Zararlı *Aphis gossypii* Glover (Homoptera: Aphididae) ve Predatörlerinin Populasyon Gelişimi Üzerinde Bir Araştırma. Türkiye IV. Biyolojik Mücadele Kongresi Bildirileri, Adana, Türkiye, 249-258 s.
- Çakır, S. & Önder, F.** 1990. Türkiye Geocorinae (Hemiptera: Lygaeidae) Altfamilyası Üzerinde Sistematik ve Faunistik Çalışmalar. Türkiye Entomoloji Dergisi, 14 (1): 37-52.
- Erwin, T. L.** 1982. Tropical forests: their richness in Coleoptera and other arthropod species. Coleopterists Bulletin, 36: 74-75.
- Erwin, T. L.** 1991. How many species are there? Revisited Conservation Biology, 5: 1-4.
- Gaston, K. J.** 1991. The magnitude of global insect species richness. Conservation Biology, 5: 283-296.
- Göven, M. A.** 1995. Güneydoğu Anadolu Bölgesi Pamuk Ekim Alanlardaki Zararlılar İle İlgili Sorunlar ve Çözüm Önerileri. GAP Bölgesindeki Bitki Koruma Sorunları ve Çözüm Önerileri Sempozyumu Bildirileri, Şanlıurfa, Türkiye, 282-295 s.
- Göven, M. A. & Efil, L.** 1994. Dicle Vadisi Pamuk Alanlarında Zararlı Yeşilkurt (*Heiothis armigera* Hübn.) (Lepidoptera: Noctuidae)' un Doğal Düşmanları ve Etkinlikleri Üzerinde Araştırmalar. Türkiye III. Biyolojik Mücadele Kongresi, 25-28 Ocak, İzmir, Türkiye. 449-457 s.
- Gözüaçık, C.** 2012. Karacadağ'ın Entomolojik Açından Önemi. Karacadağ. Grafik Tasarım Baskı Uzman matbacılık ve Ciltleme, İstanbul, 463: 330-339.
- Groombridge, B.** 1992. Global Biodiversity: Status of the Earth's Living Resources. Chapman Hall, London, 624 pp.
- Hoberlandt, L.** 1955. Results of the Zoological Scientific Expedition the National Museum in Praha to Turkey-18: Hemiptera IV: Terrestriale Hemiptera-Heteroptera of Turkey. Acta Ent. Mus. Nat. Pragae, 3: 274.
- Kaplan, C., Büyükc, M. & Eren, S.** 2011. Güneydoğu Anadolu Bölgesi Zeytin Bahçelerinde Saptanan Zararlı ve Faydalı Böcek Türleri. Bitki Koruma Bülteni, 51 (3): 267-275.
- Karaat, Ş., Göven, M. A. & Mart, C.** 1986. Güneydoğu Anadolu Bölgesinde Pamuk Ekim Alanlarında Yararlı Türlerin Genel Durumları. Türkiye I. Biyolojik Mücadele Kongresi Bildirileri, 12-14 ŞubatAdana, Türkiye, 162 s.
- Karaca, V., Gözüaçık, C. & Şimşek, Z.** 2012. Güneydoğu Anadolu Bölgesi'nde Hububatın Entomolojik Sorunları ve Çözüm Önerileri. Türk Bilimsel Derlemeler Dergisi, 5 (2): 154-159.
- Kıran, E.** 1978. Güneydoğu Anadolu Bölgesinde Yeni Bir Ayçiçeği (*Helianthus annuus* L.) Zararlısı. Türkiye Bitki Koruma Dergisi, 2 (1): 11-14.
- Lodos, N., Önder, F. & Şimşek, Z.** 1984. Diyarbakır(Karacadağ)' da Süne (*Eurygaster integriceps* Put.) (Heteroptera: Scutelleridae)' nin Ovalara Göç Ettiği Dönemde Kışlak Böcek Faunasının Tespiti ve Süne ile Bazı Türlerin Kışlak Yerlerinden Çıkış ve Göç Etme Davranışları Üzerinde Araştırmalar (II). Bitki Koruma Bülteni, 24 (2): 75-87.

- Lodos, N., Önder, F., Pehlivan, E., Atalay, R., Erkin, E., Karsavuran, Y., Tezcan, S. & Aksoy, S.** 1999. Faunistic Studies on Lygaeidae (Heteroptera) of Western Black Sea, Central Anatolia and Mediterranean Regions of Turkey. Project Numbers: TOAG/336 & 502.
- Maral, H.** 2012. Diyarbakır, Mardin ve Elazığ İllerinde Tarım ve Tarım dışı Alanlarındaki Ağaçlarda Bulunan Tingidae (Hemiptera) Türleri İle Bunların Parazitoit ve Predatörlerinin Saptanması ve Zararı Önemli Görülen Türlerin Biyolojisi ve Populasyon Gelişiminin Belirlenmesi. Doktora Tezi, 151 p.
- Maral, H., Ulusoy, M. R. & Bolu, H.** 2012. Diyarbakır, Mardin ve Elazığ İllerinde Tarım ve Tarım Dışı Alanlardaki Ağaçlarda Bulunan Tingidae (Hemiptera) Türleri. Ç.Ü Fen ve Mühendislik Bilimleri Dergisi, 28 (1): 155-164.
- Mart, C. & Altın N.** 1992. Güneydoğu Anadolu Bölgesi Nar Alanlarında Belirlenen Böcek ve Akar türleri. Türkiye II Entomoloji Kongresi, 28-31 Ocak, Adana, 725-735 s.
- Matocq, A. & Özgen, İ.** 2010. A Preliminary List of Heteroptera Collected in Mardin and Siirt Provinces From South-Eastern Anatolia of Turkey (Hemiptera). Mun. Ent. Zool., 5: 1011-1019.
- Matocq, A., Pluot-Sigwalt D. & Özgen, İ.** 2014. Terrestrial Hemiptera (Heteroptera) Collected in South-East Anatolia (Diyarbakır, Mardin And Elazığ Provinces) (Turkey): Second List. Mun. Ent. Zool., 9 (2): 884-930.
- May, R. M.** 1990. How many species? Philosophical Transactions of the Royal Society B, 330: 292-304.
- Moore, B. & Allard, G.** 2008. Climate change impacts on forest health. Forest Health and Biosecurity Working Paper FBS/34E. Rome, FAO.
- Önder, F. & Adıgüzel, N.** 1979. Some Heteroptera Collected by Light Trap in Diyarbakır (Turkey). Türkiye Bitki Koruma Dergisi, 3 (1): 25-34.
- Önder, F., Karsavuran, Y., Tezcan, S. & Fent, M.** 2006. Türkiye Heteroptera (Insecta) Kataloğu. ISBN 975-98739-2-3, 170 s.
- Özgen, İ.** 2012. The Species of Suborder Heteroptera (Hemiptera) on Vineyards Agroecosystems Which is Found in Diyarbakır, Elazığ and Mardin Provinces, Turkey. Mun. Ent. Zool., 7 (1): 255-258.
- Özgen, İ., Çerçi, B. & Dioli, P.** 2018. Some rare species of heteroptera (Hemiptera) from Turkey International Journal of Fauna and Biological Studies; 5 (1): 24-26.
- Özpnar, A. & Yücel, A.** 2002. Güneydoğu Anadolu Projesi (GAP) alanındaki pamuklarda zararlı ve avcı böcek türlerinin belirlenmesi. Türkiye 5. Biyolojik Mücadele Kongresi, 4-7 Eylül, Erzurum, Türkiye, 247-255 s.
- Péricart, J.** 1983. Hémiptères Tingidae euro-méditerranéens. Faune de France, 69: 1-618. Paris: Fédération Française des Sociétés de Sciences Naturelles.
- Price, P. W.** 1997. Insect Ecology. John Wiley & Sons Inc. New York, 874 pp.
- Ødegaard, F.** 2000. How many species of arthropods? Erwin's estimate revised, Biological Journal of the Linnean Society, 71: 583-597.
- Stork, N.** 1997. How many species are there? Biodiversity and Conservation, 2: 215- 232.
- Şimşek, A. & Bolu, H.** 2016. Diyarbakır İli Antep Fıstığı (*Pistacia vera* L.) Alanlarındaki Yararlı Böcek Faunasının Belirlenmesi. Bitki Koruma Bülteni, 3: 267-282.
- Şimşek, A. & Bolu, H.** 2017. Diyarbakır İli Antepfıstığı (*Pistacia vera* L.) Bahçelerindeki Zararlı Böcek Faunasının Belirlenmesi. D.Ü. Fen Bilimleri Enstitüsü Dergisi, 6 (2): 43-58.

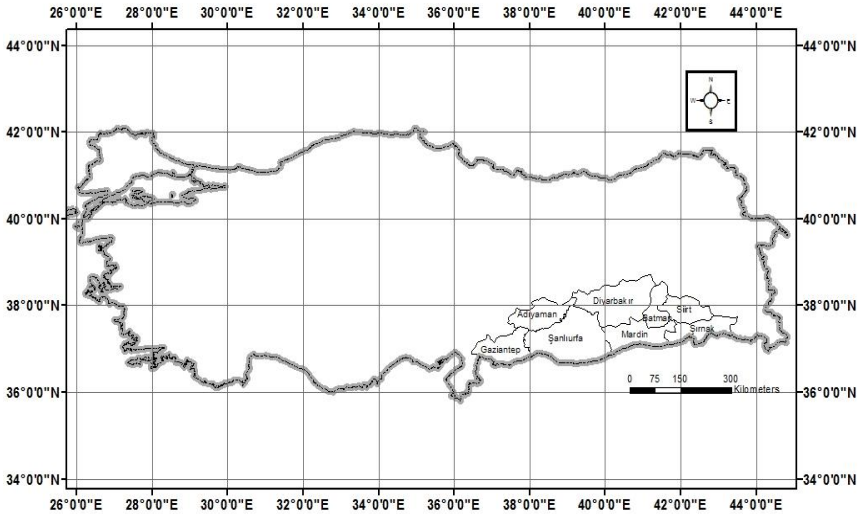


Figure 1. Sampling localities in Southeastern Anatolia Region of Turkey

Table 1. Number of species of Suborder Heteroptera on Southeastern Anatolia Region.

	Superfamily	Family	Number Species	%
Cimicomorpha	Reduvidae	Reduviidae	27	13.11
	Tingoidea	Tingidae	32	15.05
Pentatomomorpha	Aradoidea	Aradidae	6	2.91
	Coreoidea	Alydidae	2	0.97
		Coreidae	11	5.34
		Rhopalidae	18	8.74
		Stenocephalidae	3	1.46
	Lygaeoidea	Berytidae	8	3.88
		Lygaeidae	99	47.57
		Pyrrhocoridae	2	0.97
Total	5	10	208	100.00