

## Southeastern Anatolia Region Insect Fauna II (Order Hemiptera I: Suborder Heteroptera III: Pentatomoidea) 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 total 137 species were found in 5 families and in 1 superfamily Pentatomoidea of Hemiptera. The distribution of determined insect types according to the provinces, plant hosting and feeding type is also done. Information about their identification, host plants, and distribution in the Southeastern Anatolia Region was presented as detailed.

**KEYWORDS:** Insect Fauna, Hemiptera, Heteroptera, Southeastern Anatolia Region, Turkey.

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### INTRODUCTION

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 organisms.

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 the 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 the 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 the Southeastern Anatolia region of Turkey.

## MATERIAL AND METHODS

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

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

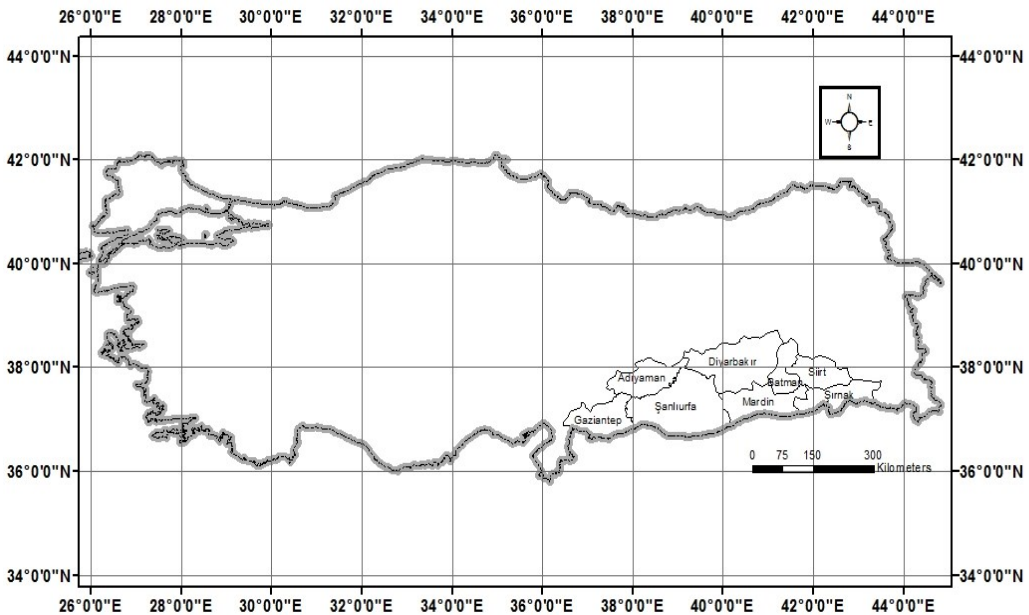
-Currently in Turkey, published or unpublished entomology journals related to scanning,

-Giving more weight to faunistic studies, and in the meantime, the insect fauna of our country foreign scientific journals that publish 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.



**Figure 1.** Sampling localities in the Southeastern Anatolia Region of Turkey

Some of the records recorded for this field in the literature used in this study are based on incorrectly defined examples, valid names were given instead of these invalid names.

While preparing this article, it was checked whether the species names in studies compiled from the literature were valid. If a synonymous name or invalid combination was used in the literature, the valid name or combination was used instead of this invalid name or combination according to Aukema (1995-2013).

This study 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 of 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 5 families were recorded (Table 1).

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

Suborder	Superfamily	Family	Number Species
Heteroptera	Pentatomoidea	Acanthosomatidae	1
		Cydnidae	18
		Pentatomidae	92
		Plataspidae	2
		Scutelleridae	24
Total	1	5	137

### Order Hemiptera

#### Suborder Heteroptera

#### Superfamily Pentatomoidea

#### Family Acanthosomatidae

*Elasmucha antennata* Reuter, 1885

**Distribution of the studies area:** Gaziantep, **Host plants:** Plane tree (Lodos & Önder, 1979; Önder et al., 1995).

#### Family Cydnidae

*Cydnus aterrimus* (Forster, 1771)

**Distribution of the studies area:** Diyarbakır, Gaziantep, Şanlıurfa, **Host plant:** Unknown (Önder et al., 1995).

*Cydnus melanopterus melanopterus* (Herrich-Schäffer)

**Distribution of the studies area:** Gaziantep, **Habitat:** Woodland, Scrub and meadow area (Önder et al., 2006).

***Byrsinus pilosulus*** (Klug, 1845)

**Remarks:** It was recorded from the study area as *Aethus pilosulus* (Klug, 1845), by Lodos et al (1998) and Önder et al (2006), but this is an incorrect identification and an invalid name. The valid name of this taxon is *Byrsinus pilosulus* (Klug, 1845).

**Distribution of the studies area:** Gaziantep, **Habitat:** Salt field (Lodos et al., 1998; Önder et al., 2006).

***Aethus pilosus*** (Herrich-Schäffer, 1834)

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Geotomus antennatus*** Signoret, 1883

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Geotomus elongatus*** (Herrich-Schäffer, 1840)

**Distribution of the studies area:** Diyarbakır, Gaziantep, collecting with light trap (Önder & Adıgüzel, 1979; Önder et al., 1995).

***Macroscytus brunneus*** (Fabricius, 1803)

**Distribution of the studies area:** Diyarbakır, Gaziantep, **Habitat:** Scrub and meadow area and Light trap (Önder & Adıgüzel, 1979; Önder et al., 1995; Önder et al., 2006).

***Amaurocoris curtus*** Brullé, 1838

**Distribution of the studies area:** Adıyaman, Gaziantep, Siirt, **Host plant:** *Pistacia vera* L. (Önder et al., 1995; Önder et al., 2006; Matocq & Özgen, 2010).

***Canthophorus melanopterus*** (Herrich-Schaeffer, 1835)

**Remarks:** The combination of this species, given as *Canthophorus melanopterus* (Herrich-Schaeffer, 1835) as the valid name in this study, is *Sehirus melanopterus* (Herrich-Schäffer, 1835) given in the reviewed literature (Lodos et al., 1998; Önder et al., 1995) records. It's not a valid combination. The valid genus name is *Canthophorus*.

**Distribution of the studies area:** Gaziantep, **Host plants:** *Althaea* sp., *Centaurea* sp., *Juniperus communis*, *Prunus cereasus*, *Quercus* sp., *Rosa* sp., *Rubus* sp., Weeds (Lodos et al., 1998; Önder et al., 1995).

***Crocistethus waltlianus*** (Fieber, 1861)

**Distribution of the studies area:** Diyarbakır, Gaziantep, **Host plants:** *Astragalus* sp., *Verbascum* sp., and Weeds (Lodos et al., 1984; Lodos et al., 1998; Önder et al., 1995; Önder et al., 2006).

***Exosehirus marginatus*** Signoret, 1881

**Remarks:** The combination of this species, given as *Exosehirus marginatus* (Signoret 1881) as the valid name in this study, is *Sehirus marginatus* (Signoret, 1881) given in the reviewed literature (Önder et al., 1995; Önder et al., 2006) records. It's not a valid combination. The valid genus name is *Exosehirus*.

**Distribution of the studies area:** Diyarbakır, Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Legnotus fumigatus*** (Costa, 1855)

**Distribution of the studies area:** Diyarbakır, **Habitat:** Agricultural area, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Legnotus limbosus*** (Geoffroy, 1785)

**Remarks:** *Legnotus limbatus* L. presumably misidentified by Lodos et al (1984) in the study area from Diyarbakır province, and this species name is not included in the “Türkiye Heteroptera (Insekta) Kataloğu” (Önder, et al., 2006). It should probably be *Legnotus limbosus* (Geoffroy, 1785).

**Distribution of the studies area:** Gaziantep, Mardin, Diyarbakır **Habitat:** Scrub and meadow area (Lodos et al., 1984; Önder et al., 1995; Önder et al., 2006; Matocq et al., 2014).

***Ochetostethus nanus*** (Herrich-Schäffer, 1834)

**Distribution of the studies area:** Gaziantep, **Habitat:** Agricultural area, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

**Distribution of the studies area:** Gaziantep, **Host plant:** Unknown (Önder et al., 1995)

***Sehirus cypriacus*** Dohrn, 1860

**Distribution of the studies area:** Diyarbakır, Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Tritomegas bicolor*** (L.1758)

**Remarks:** The combination of this species, given as *Tritomegas bicolor* (L.) as the valid name in this study, is *Sehirus bicolor* (L.) given in the reviewed literature Önder et al., (1995) records. It's not a valid combination. The valid genus name is *Tritomegas*.

***Tritomegas delagrangei*** (Puton, 1888)

**Remarks:** The combination of this species, given as *Tritomegas delagrangei* (Puton, 1888) as the valid name in this study, is *Sehirus delagrangei* (Puton, 1888) given in the reviewed literature (Önder et al., 1995; Önder et al., 2006) records. It's not a valid combination. The valid genus name is *Tritomegas*.

**Distribution of the studies area:** Diyarbakır, Gaziantep, Mardin, **Habitat:** Agricultural area, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Tritomegas sexmaculatus*** (Rambur, 1839)

**Remarks:** The combination of this species, given as *Tritomegas sexmaculatus* (Rambur, 1839) as the valid name in this study, is *Sehirus sexmaculatus* (Rambur, 1842) given in the reviewed literature (Önder et al., 2006; Bolu, 2019) records. It's not a valid combination. The valid genus name is *Tritomegas*.

**Distribution of the studies area:** Southeastern Anatolia Region area (Önder et al., 2006), and Diyarbakır (Bolu, 2019) **Habitat:** Agricultural area, Scrub and meadow area (Önder et al., 2006). **Host plant:** *Rosa* sp. (Bolu, 2019).

**Family Pentatomidae*****Acrosternum breviceps*** (Jakovlev, 1890)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Mardin, Siirt, Şanlıurfa,

**Habitat and host plants:** Agricultural area, Almond, Cotton, Scrub and grassland, Tobacco, and collecting with light trap (Önder & Adıgüzel, 1979; Karaat, 1986; Önder et al., 1995; Bolu et al., 2005; Önder et al., 2006; Matocq et al., 2014).

***Acrosternum heegeri*** Fieber, 1861

**Distribution of the studies area:** Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, **Habitat and host plants:** Agricultural area, Almond, Cotton, Olive, Pistachio, Scrub and grassland, Wheat, and collecting with light trap (Önder & Adıgüzel, 1979; Karaat, 1986; Önder et al., 1995; Bolu, 2002; Bolu et al., 2005; Özgen et al., 2005a; Özgen et al., 2005b; Önder et al., 2006; Matocq et al., 2014; Şimşek & Bolu, 2017).

***Acrosternum millieri*** (Mulsant & Rey, 1866)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Şanlıurfa, **Habitat and host plants:** Almond, Olive, Scrub and grassland, Weeds, and collecting with light trap (Önder & Adıgüzel, 1979; Önder et al., 1995; Bolu et al., 2005; Özgen et al., 2005b; Önder et al., 2006).

***Aelia acuminata*** (Linnaeus, 1758)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak, **Host plants:** *Aegilops cylindrica*, *Alopecurus myosuroides*, *Avena sterilis*, *Bromus inermis*, *B. tectorum*, *Hordeum geniculatum*, *H. murinum*, *Hordeum* sp., *Lolium rigidum*, *Oryza sativa*, *Phalaris brachysatchys*, *Poa annua*, *P. bulbosa*, *Secale montanum*, *Triticum* sp., Weeds, Wheat (Lodos et al., 1984; Lodos et al., 1998; Önder et al., 1995; Özgen et al., 2005a; Gözüaçık et al., 2011; Matocq et al., 2014).

***Aelia albovittata*** Fieber, 1868

**Distribution of the studies area:** Diyarbakır, Gaziantep, Mardin, Şanlıurfa, **Host plant:** *Hordeum geniculatum*, Weeds (Önder et al., 1995; Gözüaçık et al., 2011; Matocq et al., 2014).

***Aelia rostrata* subsp. *rostrata*** Boheman, 1852

**Remarks:** In the Ancient literature records examined in this study, the synonym names of this species were are *Aelia cognata* (Fieber, 1868) and *Aelia syriaca* Horváth, 1903. These two names are synonymous with *A. rostrata*. In this study, distribution and habitat-host recorded data of this species is given as *Aelia rostrata* subsp. *rostrata* Boheman, 1852, which is the valid name. The combination of this species, given as *Aelia rostrata* subsp. *rostrata* Boheman 1852 as the valid name in this study, are *Aelia cognata* (Fieber, 1868) and *Aelia syriaca* Horváth, 1903 given in the reviewed literature (Önder et al., 1995) records. These two names are not a valid combination.

**Distribution of the studies area:** Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Şanlıurfa, Şırnak, **Host plant:** Culture plant (Önder et al., 1995), *Aegilops cylindrica*, Weeds, Wheat (Lodos et al., 1984; Önder et al., 1995; Özgen et al., 2005a; Gözüaçık et al., 2011).

***Aelia germari*** Küster, 1852

**Distribution of the studies area:** Gaziantep, **Host plant:** Culture plant (Önder et al., 1995).

***Aelia melanota*** Fieber, 1868

**Distribution of the studies area:** Batman, Diyarbakır, Şanlıurfa, **Habitat:** Scrub

and meadow area (Önder et al., 2006).

***Aelia virgata*** Klug, 1841

**Distribution of the studies area:** Gaziantep, **Host plant:** Culture plant, *Astragalus* sp., Weeds (Lodos et al., 1998; Önder et al., 1995).

***Agatharchus herrichi*** (Kolenati, 1846)

**Distribution of the studies area:** Diyarbakır, **Host plant:** *Astragalus* sp. (Leguminosae) (Önder et al., 1995; Gözüaçık et al., 2011).

***Agatharchus tritaenia*** Horváth, 1897

**Distribution of the studies area:** Gaziantep, **Host plant:** Culture plant (Önder et al., 1995).

***Ancyrosoma leucogrammes*** (Gmelin, 1789)

**Distribution of the studies area:** Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Şanlıurfa, **Host plants:** *Rosa* spp., *Torilis arvensis neglecta* (Wagner, 1959; Önder et al., 1995; Lodos et al., 1998; Gözüaçık et al., 2011; Matocq et al., 2014; Özgen et al., 2018; Bolu, 2019).

***Apodiphus amygdali*** (Germar, 1817)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, **Host plants:** Almond, Apricot, Cherry, Peach, Pistachio, Olive, Poplar, the culture plant, *Acacia* sp., *Elaeagnus* sp., *Quercus* sp., *Platanus* sp., *Punica granatum*, *Prunus armeniaca*, *Vitis vinifera* (Önder & Adıgüzel 1979; Önder et al., 1995; Lodos et al., 1998; Bolu et al., 2005; Özgen et al., 2005b; Bolu et al. 2006; Gözüaçık et al., 2011)

***Bagrada abeillei*** Horváth, 1936

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Siirt, Şanlıurfa, **Host plants:** *Brassica napus* var. *oleifera*, *Capparis spinosa*, *Eryngium campestre*, *Salsola* sp., *Sinapis arvensis*, *Symbrium officinale*, *Verbascum* sp., Weeds (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006; Fent et al., 2010; Gözüaçık et al., 2011).

***Bagrada amoenula*** (Walker, 1870)

**Distribution of the studies area:** Adıyaman, Şanlıurfa, **Host plants:** *Eryngium campestre*, *Brassica napus*, *Eryngium campestre*, *Coriandrum sativum*, *Punica granatum*, *Sinapis arvensis*, *Brassica napus* var. *oleifera*, *Capparis spinosa*, *Symbrium officinale*; *Coriandrum sativum* (Fent et al., 2010; Gözüaçık et al., 2011).

***Bagrada (Nitilia) stolidia*** (Herrich-Schaeffer, 1839)

**Remarks:** *Bagrada cicur* Horváth, 1936 and *Bagrada confusa* Horváth, 1936) were used in the revised literature as synonyms for *Bagrada (Nitilia) stolidia*.

*Bagrada (Nitilia) stolidia* (Herrich-Schaeffer, 1839) was used as the valid name for these old records given in this study.

**Distribution of the studies area:** Batman, Diyarbakır, Gaziantep, Mardin, Şanlıurfa, (Fent et al., 2010). **Host plants:** *Capparis* sp., *Salsola* sp., *Sinapis* sp., Umbelliferous plants, Weeds. Önder et al., (1995); Lodos et al., (1998); Önder et al., (2006) have recorded it as *Bagrada cicur*, and Özgen et al. (2005a) have recorded it as *Bagrada confusa* in wheat fields at Batman province.

***Bagrada concinna*** Horváth, 1936

**Distribution of the studies area:** Diyarbakır, Gaziantep, Mardin, Şanlıurfa, **Habitat and host plants:** Scrub and meadow area, *Capparis* sp., *Sinapis* sp., Weeds (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006; Fent et al., 2010).

***Bagrada lepida*** Horváth, 1936

**Distribution of the studies area:** Diyarbakır, Gaziantep, Siirt, **Habitat and host plant:** Scrub and meadow area, *Alyssum murale*, Weeds (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006).

***Brachynema virens*** (Klug, 1845)

**Distribution of the studies area:** Şanlıurfa, **Host plant:** Unknown (Önder et al., 1995).

***Carenoplistus acutus*** (Signoret, 1880)

**Distribution of the studies area:** Adıyaman, Mardin, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Carpocoris coreanus*** Distant, 1899

**Remarks:** *Carpocoris iranus* Tamanini, 1958 recorded by Karaat (1986) Önder et al (1995) and Lodos et al (1998) from the study area is actually synonymous name of *Carpocoris coreanus* Distant 1899.

**Distribution of the studies area:** Adıyaman, Gaziantep, Diyarbakır, Mardin, Siirt, Şanlıurfa, **Habitat and host plants:** *Centaurea* sp., Compositae plants, *Euphorbia* sp., *Medicago sativa*, *Sinapis* sp., *Trifolium* sp., *Triticum* sp., *Verbascum* sp., Scrub and meadow area, Tabacco, Weeds (Karaat, 1986; Önder et al., 1995; Lodos et al., 1998); *Carduus pycnocephalus*, *Centaurea calcitrapa* L., *Centaurea* sp., *Onopordum acanthium* (Önder et al., 2006; Gözüaçık et al., 2011; Matocq et al., 2014).

***Carpocoris fuscispinus*** (Boheman, 1849)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Şanlıurfa, **Host plants:** *Carduus pycnocephalus*, *Centaurea* sp., *Echinops microcephalus*, *Onopordum acanthium* (Önder et al., 1995; Gözüaçık et al., 2011).

***Anthemina lunulata*** (Goeze, 1778)

**Remarks:** The combination of this species, given as *Anthemina lunulata* (Goeze, 1778) as the valid name in this study, is *Carpocoris lunulatus* (Goeze, 1778) given in the reviewed literature (Önder et al., 2006) records. It's not a valid combination. The valid genus name is *Anthemina*.

**Distribution of the studies area:** Diyarbakır, (Önder et al., 2006); Adıyaman, Diyarbakır, Şanlıurfa (Gözüaçık et al., 2011). **Habitat:** Scrub and meadow area (Önder et al., 2006). **Host plant:** *Euphorbia helioscopia* (Gözüaçık et al., 2011).

***Carpocoris mediterraneus*** Tamanini, 1958

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Carpocoris pudicus*** (Poda, 1761)

**Distribution of the studies area:** Diyarbakır, Gaziantep, Şanlıurfa, **Host plants:** *Carduus pycnocephalus*, *Centaurea iberica*, *C. solstitialis*, *Echinops microcephalus*, *Trifolium* sp., Cherry, Wheat (Önder et al., 1995; Özgen et al., 2005a; Özgen et al.,



2005b; Bolu et al., 2006; Gözüaçık et al., 2011; Matocq et al., 2014).

***Carpocoris purpureipennis*** (De Geer, 1773)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, **Host plants:** Almond, Tobacco, Weeds, Wheat, *Carduus pycnocephalus*, *Echinops microcephalus*, *Helianthus annuus* (Karaat, 1986; Önder et al., 1995; Özgen et al., 2005a; Bolu et al., 2006; Gözüaçık et al., 2011).

***Codophila pusio*** (Kolenati, 1846)

**Distribution of the studies area:** Diyarbakır, Gaziantep, Mardin, **Habitat and host plants:** *Chenopodium* sp., *Cirsium* sp., *Euphorbia* sp., *Onopordum* sp., *Peganum harmala*, gramineous and leguminosaeous plants, Weeds, Scrub and meadow area (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006).

***Codophila varia*** (Fabricius, 1787)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, **Host plants:** *Carduus pycnocephalus*, *Carthamus* sp., *Centaurea iberica*, *C. solstitialis*, *Cirsium* sp., *Daucus* sp., *Echinops ritro*, *Scolymus* sp., *Eryngium campestre*, *E. creticum*, *Helianthus annuus*, *Sesamum indicum*, *Echium plantagineum*, *Medicago sativa*, *Onopordum* sp., *Sinapis* sp., *Verbascum* sp., Umbelliferous and gramineous plants, Weeds (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006; Gözüaçık et al., 2011), and is recorded as *Codophila varia varia* (Fabricius, 1787) in the studies area Mardin province, on Apiaceae by Matocq et al. (2014).

***Coridius viduatus*** (Fabricius, 1794)

**Remarks:** The combination of this species, given as *Coridius viduatus* (Fabricius, 1794) as the valid name in this study, is *Aspongopus viduatus* (Fabricius, 1794) given in the reviewed literature (Önder et al., 2006) records. It's not a valid combination. The valid genus name is *Coridius*.

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and grassland (Önder et al., 2006).

***Derula delagrangi*** Puton, 1892

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, **Host plants:** *Daucus carota*; *Verbena officinalis* (Verbenaceae) (Önder et al., 1995; Önder et al., 2006; Gözüaçık et al., 2011).

***Derula flavoguttata*** Mulsant & Rey, 1856

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, **Host plant:** *Verbena officinalis* (Önder et al., 1995; Önder et al., 2006; Gözüaçık et al., 2011).

***Dolycoris baccarum*** (Linnaeus, 1758)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak, **Host plants:** Almond, Legume Forage Crops, Olive, Pistachio, Pomegranate, Tobacco, Weeds, Wheat, *Brassica napus var. oleifera*, *Sinapis arvensis*, *Symbrium officinale*, *Ervum ervilia*, *Lens culinaris*, *Gundelia* sp., *Onopordum acanthium*, *O. carduchorum*, *Sesamum indicum*, *Silene colorata*, *Verbascum thapsus* (Lodos et al., 1984; Karaat, 1986; Akkaya, 1995; Önder et al., 1995; Lodos et al., 1998; Bolu, 2002; Özgen et al., 2005a; Özgen et al., 2005b; Bolu et al., 2006; Gözüaçık et al., 2011; Kaplan et al., 2011).

***Dryoderes umbraculatus*** (Fabricius, 1775)

**Distribution of the studies area:** Adıyaman, Mardin, Gaziantep, **Host plant:** *Centaurea* sp. (Önder et al., 1995; Gözüaçık et al., 2011; Matocq et al., 2014).

***Eurydema fieberi*** (Schummel, 1836)

**Remarks:** *Eurydema armeniaca* Kolenati 1846 is used mistakenly by Önder et al (2006). This name is invalid and synonymous of *E.fieberi*.

**Distribution of the studies area:** Adıyaman, Batman, Diyarbakır, Gaziantep, Şanlıurfa, **Habitat:** Scrub and meadow area (Önder et al., 2006). **Host plants:** *Brassica napus*, *Capparis* sp., *Cardaria draba*, *Crambe orientalis*, *Lepidum sativum*, *Sinapis arvensis*, *Sysmbrium officinale* (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006; Gözüaçık et al., 2011; Özgen, 2012).

***Eurydema putoni*** (Jakovlev, 1877)

**Remarks:** The combination of this species, given as *Eurydema (Eurydema) putoni* (Jakovlev, 1877) as the valid name in this study, is as *Eurydema formosum* (Puton, 1895) given in the reviewed (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006) literature records. It's not a valid combination.

**Distribution of the studies area:** Diyarbakır, Gaziantep, Mardin, **Habitat and host plants:** *Capparis* sp., *Sinapis* sp., Weeds, Scrub and meadow area (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006). Vineyard area (Özgen, 2012; Matocq et al., 2014).

***Eurydema laticollis*** Horváth, 1907

**Distribution of the studies area:** Diyarbakır, **Habitat:** Scrub and meadow area (Önder et al., 2006).

***Eurydema oleracea*** (Linnaeus, 1758)

**Distribution of the studies area:** Gaziantep, **Habitat:** Agriculture field, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Eurydema ornata*** (Linnaeus, 1758)

**Remarks:** The combination of this species, given as the valid name *Eurydema ornata* (Linnaeus, 1758) in this study, is also given as *Eurydema ornatum* (Linnaeus, 1758) in some reviewed literature (Gözüaçık et al., 2011; Matocq et al., 2014; Önder et al., 1995; Lodos et al., 1998; Özgen et al., 2005a; Önder et al., 2006) records. In this study, information belonging to these records was combined.

**Distribution of the studies area:** Adıyaman, Diyarbakır, Mardin, Şanlıurfa (Gözüaçık et al., 2011; Matocq et al., 2014); Batman, Gaziantep (Önder et al., 1995; Lodos et al., 1998; Özgen et al., 2005a; Önder et al., 2006). **Habitat and host plants:** *Brassica napus*, *Capparis* sp., *Cardaria draba*, *Crambe orientalis*, *Lepidum sativum*, *Sinapis arvensis*, *Sysmbrium officinale*; *Carthamus* sp., (Gözüaçık et al., 2011; Matocq et al., 2014); *Alhagi* sp., *Alyssum murale*, *Capparis* sp., *Cirsium* sp., *Cornus mas*, *Fagus* sp., *Medicago sativa*, *Onobrychis sativa*, *Ononis* sp., *Onopordum* sp., *Pirus malus*, *Rorippa* sp., *Sinapis* sp., *Spinacia oleracea*, *Triticum sativa*, *Verbascum* sp., *Veronica* sp., *Vicia cracca*, Cruciferous and Umbelliferous plants, Scrub and meadow area (Önder et al., 1995; Lodos et al., 1998; Özgen et al., 2005a; Önder et al., 2006).

***Eurydema rugulosa*** (Dohrn, 1860)

**Remarks:** This species was recorded by Önder et al (1995) and Önder et al (2006) from Gaziantep as *Eurydema rugulosum* (Dohrn, 1860). and probably this is were

used as mis spelling.

**Distribution of the studies area:** Diyarbakır, Mardin, (Matocq et al., 2014); Gaziantep (Önder et al., 1995; Önder et al., 2006), **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Eysarcoris ventralis*** (Westwood, 1837)

**Remarks:** *Eysarcoris inconspicuus* (Herrich-Schäffer, 1844) is recorded by literatures (Önder & Adıgüzel, 1979; Karaat, 1986; Önder et al., 1995; Lodos et al., 1998; Özgen et al., 2005a) from the study area, this name is actually synonymous name of *Eysarcoris ventralis* (Westwood, 1837).

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak **Host plants:** *Oryza sativa*; *Salvia* sp., (Gözüaçık et al., 2011; Matocq et al., 2014). *Circium* sp., *Cistus* sp., *Equestrum* sp., *Inula* sp., *Juniperus* sp., *Laurus nobilis*, *Mentha* sp., *Salix* sp., *Salvia* sp., *Sideritis* sp., *Verbascum* sp., *Tamarix* sp., *Triticum sativa*, Graminaeous plants, Tabacco, Wheat, Weeds, and collecting with light trap (Önder & Adıgüzel, 1979; Karaat, 1986; Önder et al., 1995; Lodos et al., 1998; Özgen et al., 2005a).

***Graphosoma italicum*** (Müller, 1766)

**Distribution of the studies area:** Gaziantep, **Habitat:** *Daucus* spp., *Alyssum murale*, Meadow pasture (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006).

***Graphosoma lineatum*** (Linneaus, 1758).

**Distribution of the studies area:** Diyarbakır, Mardin, **Host plant:** *Pistacia* sp. (Bolu et al., 2005).

***Graphosoma melanoxanthum*** Horváth, 1903

**Distribution of the studies area:** Diyarbakır, **Habitat:** Scrub and meadow area (Önder et al., 2006).

***Graphosoma semipunctatum*** (Fabricius, 1775)

**Remarks:** The combination of this species, given as *Graphosoma semipunctatum* (Fabricius, 1775) as the valid name in this study, is *Graphosoma creticum* Horváth, 1909 given in the reviewed literature (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006; Gözüaçık et al., 2011) records. It's not a valid combination.

In the Ancient literature records reviewed in this study, such synonymous name was given as *Graphosoma creticum* Horváth, 1909. It's synonym, *G. creticum* to be a junior synonym of *G. semipunctatum* (See Gapon, 2007)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Şanlıurfa, **Habitat and host plants:** *Conium maculatum*, *Daucus carota*, *Eryngium creticum*, *E. campestre* Meadow pasture, Weeds (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006; Gözüaçık et al., 2011).

***Graphosoma stali*** Horváth, 1881

**Distribution of the studies area:** Diyarbakır, Gaziantep, Mardin, **Habitat and host plant:** Apiaceae, Meadow pasture (Önder et al., 1995; Özgen et al., 2005a; Önder et al., 2006).

***Holcogaster fibulata*** (Germar, 1831)

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Peribalus (Peribalus) strictus strictus*** (Fabricius, 1803)

**Remarks:** The combination of this species, given as *Peribalus (Peribalus) strictus strictus* (Fabricius, 1803) as the valid name in this study, *Holcostethus (Holcostethus) strictus* (Fabricius, 1803) given in the reviewed literature records. It's not a valid combination. The valid genus name is *Peribalus*.

**Distribution of the studies area:** Gaziantep, Mardin (Matocq et al., 2014; Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006). **Habitat and host plants:** *Juniperus* sp., *Punica granatum*, *Sinapis* sp., *Triticum sativa*, *Verbacum* sp., Scrub and meadow area, Weeds (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006).

***Peribalus (Peribalus) strictus vernalis*** (Wolff, 1804)

**Remarks:** The combination of this species, given as *Peribalus (Peribalus) strictus vernalis* (Wolff, 1804) as the valid name in this study, *Holcostethus (Holcostethus) vernalis* (Wolff, 1804) given in the reviewed literature (Önder et al., 1995; Lodos et al., 1998; Özgen et al., 2005a; Bolu et al., 2006; Önder et al., 2006; Gözüaçık et al., 2011; Özgen, 2012) records. It's not a valid combination. The valid genus name is *Peribalus*.

**Distribution of the studies area:** Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, **Habitat and host plants:** *Arundo donax*, *Celtis australis*, *Centaurea* sp., *Crataegus* sp., *Pistacia vera*, *Prunus malus*, *P. Amygdali*, *P. armeniaca*, *Pirus malus*, *Punica granatum*, *Quercus* sp., *Rosa* sp., *Rubus* sp., *Sinapis* sp., *Solanum melongena*, *Triticum sativa*, *Verbascum* sp. Almond, Meadow pasture, Weeds, Wheat, (Önder et al., 1995; Lodos et al., 1998; Özgen et al., 2005a; Bolu et al., 2006; Önder et al., 2006; Gözüaçık et al., 2011; Özgen, 2012).

***Leprosoma tuberculatum*** Jakovlev, 1874

**Remarks:** The combination of this species, given as *Leprosoma tuberculatum* Jakovlev, 1874 as the valid name in this study, *Leprosoma inaequale* Horváth, 1911 given in the reviewed literature (Gözüaçık et al., 2011) records. It's not a valid combination (see Gapon, 2008).

**Distribution of the studies area:** Diyarbakır, **Host plant:** *Poa annua* (Gözüaçık et al., 2011).

***Leprosoma stali*** Douglas & Scott, 1868

**Distribution of the studies area:** Diyarbakır, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Mustha longispinis*** Reuter, 1890

**Distribution of the studies area:** Diyarbakır, Gaziantep, Mardin, Şanlıurfa, **Host plants:** Almond, *Pistacia* sp. (Önder et al., 1995; Özgen et al., 2005b; Bolu et al., 2006).

***Mustha spinosula*** (Lefebvre, 1831)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Şanlıurfa, **Habitat:** Agricultural field and forest, Olive, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006; Kaplan et al., 2011).

***Mustha vicina*** Hoberlandt, 1997

**Remarks:** According to Fent, Dursun et al (2010) *Mustha incana* is confused with *M. vicina*. *Mustha incana* is no record for this species from Turkey, except the one given mistakenly by Önder et al. (1995).

**Distribution of the studies area:** Gaziantep, (Önder et al., 1995; Önder et al., 2006); Adıyaman, Diyarbakır, Şanlıurfa (Gözüaçık et al., 2011). **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006). **Host plants:** *Elaeagnus* sp., *Ficus carica*, *Morus* sp., *Quercus* sp., *Pistacia vera*, *Prunus armeniaca* (Gözüaçık et al., 2011).

***Neottiglossa bifida*** (Costa, 1847)

**Distribution of the studies area:** Gaziantep, **Habitat :** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Neottiglossa leporina*** (Herrich-Schäffer, 1830)

**Distribution of the studies area:** Diyarbakır, **Habitat :** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Nezara viridula*** (Linnaeus, 1758)

**Distribution of the studies area:** Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak, **Host plants:** *Althae* sp., *Capparis* sp., *Centaurea* sp., *Hordeum vulgare*, *Morus alba*, *Onopordum* sp., *Paliurus* sp., *Phloemis* sp., *Phaseolus vulgaris*, *Rubus* sp., *Sesamum indicum*, *Sinapis* sp., *Styrax* sp., *Thymus vulgaris*, *Triticum sativa*, *Verbascum* sp., *Vicia faba*, Umbelliferous plants (Akkaya, 1995; Önder et al., 1995; Lodos et al., 1998).

***Palomena prasina*** (Linnaeus, 1761)

**Distribution of the studies area:** Gaziantep, **Habitat :** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Palomena viridissima*** (Poda, 1761)

**Distribution of the studies area:** Mardin, **Host plants:** Cherry, Wheat (Özgen et al., 2005a; Özgen et al., 2005b).

***Pausias martini*** (Puton, 1890)

**Distribution of the studies area:** Diyarbakır, **Host plants:** *Elaeagnus* sp., *Morus* sp., *Punica granatum* (Gözüaçık et al., 2011).

***Picromerus conformis*** (Herrich-Schäffer, 1841)

**Distribution of the studies area:** Diyarbakır, **Habitat :** Forest area (Önder et al., 2006).

***Piezodorus lituratus*** (Fabricius, 1794)

**Distribution of the studies area:** Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak, **Host plants:** Almond, Legume Forage Crops, Wheat, *Crataegus azarrolus*, *Elaeagnus* sp., *Ervum ervilia*, *Lens culinaris*, *Medicago sativa*, *Trifolium* sp., *Morus* sp., *Prunus armeniaca* (Lodos et al., 1984; Akkaya, 1995; Önder et al., 1995; Bolu et al., 2005; Özgen et al., 2005a; Bolu et al., 2006; Gözüaçık et al., 2011).

***Pitedia pinicola*** (Mulsant & Rey, 1852)

**Distribution of the studies area:** Gaziantep, **Habitat :** Forest area (Önder et al., 1995; Önder et al., 2006).

***Rhaphigaster nebulosa*** (Poda, 1761)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Şanlıurfa, **Host plants:** *Elaeagnus* sp., *Morus* sp., *Vitis vinifera* (Önder et al., 1995; Lodos

et al., 1998; Özgen et al., 2005b; Gözüaçık et al., 2011).

***Risibia christophi*** (Jakovlev, 1885)

**Distribution of the studies area:** Diyarbakır, Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Sciocoris atifi*** Lodos & Önder, 1982

**Distribution of the studies area:** Gaziantep, Siirt, **Habitat:** Farmland, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Sciocoris capitatus*** Jakovlev, 1881

**Distribution of the studies area:** Adıyaman, Diyarbakır, Mardin, Şanlıurfa, **Host plants:** *Aegilops cylindrica*, *Alopecurus myosuroides*, *Hordeum geniculatum* (Önder et al., 1995; Önder et al., 2006; Gözüaçık et al., 2011).

***Sciocoris cursitans*** (Fabricius, 1794)

**Distribution of the studies area:** Diyarbakır, Şanlıurfa, **Host plants:** *Bromus inermis*, *Lolium rigidum*, *Hordeum murinum*, *H. geniculatum* (Lodos et al., 1984; Önder et al., 1995; Önder et al., 2006; Gözüaçık et al., 2011).

***Sciocoris deltocephalus*** Fieber, 1861

**Distribution of the studies area:** Diyarbakır, **Habitat :** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Sciocoris distinctus*** Fieber, 1851

**Distribution of the studies area:** Mardin, **Habitat :** Vineyard area (Özgen, 2012).

***Sciocoris helferi*** Fieber, 1851

**Distribution of the studies area:** Diyarbakır, Şanlıurfa, **Host plants:** *Alopecurus myosuroides*, *Aegilops cylindrica* (Gözüaçık et al., 2011).

***Sciocoris hoerlandti*** Wagner, 1954

**Distribution of the studies area:** Diyarbakır, Şanlıurfa, **Host plants:** *Aegilops cylindrica*, *Alopecurus myosuroides*, *Poa annua* (Gözüaçık et al., 2011).

***Sciocoris homalonatus*** Fieber, 1851

**Distribution of the studies area:** Mardin, **Habitat :** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Sciocoris luteolus*** (Fieber, 1861)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, **Host plants:** *Aegilops cylindrica*, *Alopecurus myosuroides*, *Hordeum murinum*, *Hordeum* sp., *Secale montanum*, *Triticum* sp. (Önder et al., 1995; Önder et al., 2006; Gözüaçık et al., 2011).

***Sciocoris macrocephalus*** Fieber, 1851

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, **Habitat :** Agricultural area, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006; Matocq et al., 2014).

***Sciocoris maculatus*** Fieber, 1851

**Distribution of the studies area:** Diyarbakır, Şanlıurfa, **Host plants:** *Bromus tectorum*,

*Lolium rigidum* (Özgen et al., 2005a; Gözüaçık et al., 2011).

***Sciocoris ochraseus*** Fieber, 1861

**Distribution of the studies area:** Diyarbakır, Mardin, Siirt, Şırnak, **Habitat:** Agricultural area, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Sciocoris pallens*** Klug, 1855

**Distribution of the studies area:** Gaziantep, **Habitat :** Agricultural area, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Sciocoris pictus*** Wagner, 1959

**Distribution of the studies area:** Batman, Diyarbakır, Gaziantep, Siirt, **Habitat:** Olive, Scrub and meadow area, Weeds (Önder et al., 1995; Lodos et al., 1998; Özgen et al., 2005b; Önder et al., 2006).

***Sciocoris resslı*** Wagner, 1966

**Distribution of the studies area:** Diyarbakır, Gaziantep, Şanlıurfa, **Habitat and host plants:** *Astragalus* sp., *Rubus* sp., Scrub and meadow area (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006).

***Sciocoris sulcatus*** Fieber, 1851

**Distribution of the studies area:** Adıyaman, Batman, Diyarbakır, Mardin, Siirt, Şanlıurfa, **Host plants:** *Aegilops cylindrica*, *Alopecurus myosuroides*, *Bromus inermis*, *B. tectorum*, *Hordeum* sp., *Lolium rigidum*, *Poa annua*, *P. bulbosa*, *Triticum* sp. (Önder et al., 1995; Özgen et al., 2005a; Gözüaçık et al., 2011).

***Stagonomus amoenus*** (Brullé, 1832)

**Distribution of the studies area:** Gaziantep, Şanlıurfa, **Host plant:** *Carthamus* sp. (Önder et al., 2006; Gözüaçık et al., 2011).

***Stagonomus bipunctatus*** (Linnaeus, 1758)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Şanlıurfa, **Host plants:** *Carthamus* sp.; *Salvia viridis*, *Verbascum* sp. (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006; Gözüaçık et al., 2011).

***Staria lunata*** (Hahn, 1835)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Şanlıurfa, **Host plant:** *Carduus pycnocephalus* (Asteraceae) (Önder et al., 1995; Önder et al., 2006; Gözüaçık et al., 2011; Matocq et al., 2014).

***Tarisa subspinosa*** (Germar, 1839)

**Remarks:** The combination of this species, given as *Tarisa subspinosa* (Germar, 1839) as the valid name in this study, *Tarisa fraudatrix* Horváth, 1891 given in the reviewed literature (Önder et al., 2006). records. It's not a valid combination.

**Distribution of the studies area:** Diyarbakır, **Habitat :** Scrub and meadow area (Önder et al., 2006).

***Tarisa virescens*** Herrich-Schäffer, 1851

**Distribution of the studies area:** Gaziantep, **Habitat and host plants:** *Anchusa* sp., *Salsola* sp., Scrub and meadow area (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006).

***Tholagmus flavolineatus*** (Fabricius, 1798)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, **Habitat and host plants:** *Centaurea* sp., *Cirsium* sp., *Eryngium campestre*, *E. creticum*, *Juniperus* sp., *Vitex agnus-castus*, Graminaeous and Umbelliferous plants, Agricultural area, Scrub and meadow area (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006; Gözüaçık et al., 2011).

***Trochiscocoris hemipterus*** (Jakovlev, 1879)

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

***Trochiscocoris rotundatus*** Horváth, 1895

**Distribution of the studies area:** Adıyaman, **Habitat:** Scrub and meadow area (Önder et al., 2006).

***Ventocoris achivus*** (Horváth, 1889)

**Remarks:** The combination of this species, given as *Ventocoris achivus* (Horváth, 1889) as the valid name in this study, is as *Ventocoris falcatus* (Cyrillus, 1787) given in the reviewed (Önder et al., 1995; Önder et al., 2006; Fent et al., 2010; Gözüaçık et al., 2011) literature records. It's not a valid combination (Dursun & Fent, 2013). It should probably be *Ventocoris achivus* (Horváth, 1889).

**Distribution of the studies area:** Diyarbakır, Şanlıurfa, **Habitat and host plant:** *Chondrilla* sp., Scrub and meadow area (Önder et al., 1995; Önder et al., 2006; Gözüaçık et al., 2011).

***Ventocoris horvathi*** (Puton, 1896)

**Distribution of the studies area:** Diyarbakır, Gaziantep, Mardin, Şanlıurfa, Şırnak, **Habitat and host plant:** *Chondrilla* sp., Scrub and meadow area (Önder et al., 1995; Lodos et al., 1998; Özgen et al., 2005a; Önder et al., 2006; Gözüaçık et al., 2011).

***Ventocoris rusticus*** (Fabricius, 1781)

**Remarks:** The combination of this species, given as *Ventocoris rusticus* (Fabricius, 1781) as the valid name in this study, is as *Ventocoris trigonus* (Krynicky, 1871) given in the reviewed (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006) literature records. It's not a valid combination and synonym name of *V. rusticus*. (Dursun & Fent, 2013). It should probably be *Ventocoris rusticus* (Fabricius, 1781)

**Distribution of the studies area:** Gaziantep, **Habitat and host plants:** Ranunculous and Cruciferous plants, Scrub and meadow area (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006).

***Vilpianus galii*** (Wolff, 1802)

**Distribution of the studies area:** Diyarbakır, Gaziantep, **Habitat and host plant:** *Mentha* sp., Scrub and meadow area (Önder et al., 1995; Önder et al., 2006; Gözüaçık et al., 2011).

***Zicrona coerulea*** (Linnaeus, 1758)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Siirt, **Habitat and host plants:** *Centaurea* sp., *Carthamus* sp., *Equestrum* sp., *Mentha* sp., *Prunus domestica*, *Rubus* sp., *Urtica* sp., Scrub and meadow area (Lodos et al., 1998; Önder et al., 1995; Önder et al., 2006; Gözüaçık et al., 2011).



**Family Plataspidae*****Coptosoma costale*** Stål, 1853

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area (Lodos & Önder, 1978; Önder et al., 1995; Önder et al., 2006).

***Coptosoma scutellatum*** (Geoffroy, 1785)

**Distribution of the studies area:** Mardin, **Host plant:** Weeds (Lodos & Önder, 1978).

**Family Scutelleridae*****Ellipsocoris trilineata*** Mayr, 1864

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Eurygaster austriaca*** Schrank, 1776

**Distribution of the studies area:** Adıyaman, **Habitat and host plant:** Agricultural area, *Triticum* sp. (Önder et al., 1995; Önder et al., 2006; Gözüaçık & Fent, 2012).

***Eurygaster hottentota*** (Fabricius, 1775)

**Distribution of the studies area:** Diyarbakır, **Habitat:** Agricultural area, (Önder et al., 1995; Önder et al., 2006)

***Eurygaster integriceps*** Puton, 1881

**Distribution of the studies area:** Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak, **Habitat and host plant:** Agricultural area, *Pistacia* sp., Wheat (Lodos, 1948; Kıran, 1995; Lodos et al., 1998; Önder et al., 1995; Karaca et al., 2004; Bolu et al., 2005; Önder et al., 2006; Gözüaçık & Fent, 2012).

***Eurygaster maura*** (Linnaeus, 1758)

**Distribution of the studies area:** Diyarbakır, Gaziantep, Mardin, Şanlıurfa, **Habitat and host plant:** Agricultural area, Wheat (Lodos et al., 1998; Önder et al., 1995).

***Irochrotus lanatus*** (Pallas, 1773)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Şanlıurfa, **Habitat and host plants:** *Carduus pycnocephalus*, *Secale montanum*, *Lolium rigidum*, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006; Gözüaçık & Fent, 2012).

***Irochrotus maculiventris*** (Germar, 1839)

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area, Weeds (Lodos et al., 1998; Önder et al., 1995; Önder et al., 2006).

***Odontoscelis dorsalis*** (Fabricius, 1803)

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Odontoscelis fuliginosa*** (Linnaeus, 1761)

**Distribution of the studies area:** Diyarbakır, **Host plant:** *Carduus pycnocephalus* (Gözüaçık & Fent, 2012).

***Odontoscelis minuta*** Jakovlev, 1882

**Distribution of the studies area:** Adıyaman, **Host plant:** *Carduus pycnocephalus*

(Gözüaçık & Fent, 2012).

***Odontoscelis seminitens*** Wagner, 1953

**Distribution of the studies area:** Gaziantep, **Habitat and host plants:** Leguminous and various plants, Scrub and meadow area (Lodos et al., 1998; Önder et al., 2006).

***Odontotarsus caudatus*** (Burmeister, 1835)

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 2006).

***Odontotarsus freyi*** Puton, 1882

**Distribution of the studies area:** Gaziantep, **Habitat and host plants:** *Cistus* sp., gramineous plants, *Poterium* sp., *Salvia* sp., *Sorghum halepense*, *Thymus* sp., *Triticum sativa* and also different species of weeds, Scrub and meadow area (Lodos et al., 1998; Önder et al., 1995; Önder et al., 2006).

***Odontotarsus impictus*** Jakovlev, 1885

**Distribution of the studies area:** Adıyaman, Diyarbakır, Mardin, Siirt, Şanlıurfa, Şırnak, **Habitat and host plants:** *Centaurea calcitrapa*, *Centaurea iberica*, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006; Gözüaçık & Fent, 2012).

***Odontotarsus rufescens*** Fieber, 1861

**Remarks:** The combination of this species, given as *Odontotarsus rufescens* Fieber, 1861 as the valid name in this study, is as *Odontotarsus karatasensis* Hoberlandt, 1955 given in the reviewed literature (Lodos et al., 1998; Önder et al., 1995; Önder et al., 2006) records. It's not a valid combination and a junior synonym of *O. rufescens*.

**Distribution of the studies area:** Gaziantep, **Habitat and host plant:** *Centaurea* sp., gramineous plants, *Triticum sativa* and different species of weeds, Scrub and meadow area (Lodos et al., 1998; Önder et al., 1995; Önder et al., 2006).

***Odontotarsus obsoletus obsoletus*** Horváth, 1906

**Distribution of the studies area:** Diyarbakır, Şanlıurfa, **Host plants:** *Centaurea calcitrapa*, *Centaurea iberica* (Gözüaçık & Fent, 2012).

***Odontotarsus oculatus*** Horváth, 1881

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

***Odontotarsus plicatulus*** Horváth, 1906

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, **Habitat and host plants:** *Centaurea calcitrapa*, *Centaurea iberica*, Scrub and meadow area, Weeds (Lodos et al., 1998; Önder et al., 1995; Önder et al., 2006; Gözüaçık & Fent, 2012).

***Odontotarsus purpureolineatus*** (Rossi, 1790)

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak, **Habitat and host plants:** *Sesamum indicum*, *Centaurea calcitrapa*, *Centaurea iberica*, *Carduus pycnocephalus*, *Eryngium campestre*, Scrub and meadow area, Weeds (Lodos et al., 1998; Önder et al., 1995; Önder et al., 2006; Gözüaçık & Fent, 2012).

***Odontotarsus robustus*** Jakovlev, 1883

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, **Habitat and**

**host plants:** *Centaurea calcitrapa*, *Centaurea iberica*, *Carduus pycnocephalus*, *Eryngium creticum*, *E. campestre*, Scrub and meadow area (Önder et al., 1995; Önder et al., 2006; Gözüaçık & Fent, 2012).

***Odontotarsus rufescens* Fieber, 1861**

**Distribution of the studies area:** Adıyaman, Diyarbakır, Gaziantep, Mardin, Şanlıurfa, **Habitat and host plants:** *Centaurea calcitrapa*, *Centaurea iberica*, *Carduus pycnocephalus*, *Eryngium creticum*, *Eryngium campestre*, Scrub and meadow area, Umbelliferae, Labiatae (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006; Gözüaçık & Fent, 2012).

***Odontoscelis (Odontoscelis) dorsalis (Fabricius, 1798)***

**Remarks:** The combination of this species, given as *Odontotarsus dorsalis* (Fabricius, 1798) as the valid name in this study, is as *Odontotarsus seminitens* Wagner, 1953 given in the reviewed literature (Önder et al., 1995) records. It's not valid combination and a synonym of *O. dorsalis* (Fabricius, 1798)

**Distribution of the studies area:** Gaziantep, **Host plant:** Unknown (Önder et al., 1995).

***Psacasta (Psacasta) exanthematica exanthematica (Scopoli, 1763)***

**Remarks:** The combination of this species, given as *Psacasta (Psacasta) exanthematica exanthematica* (Scopoli, 1763) as the valid name in this study, is *Psacasta pallida* Reuter, 1902 given in the reviewed literature (Önder et al., 1995; Önder et al., 2006) records. It's not a valid combination and it's a junior synonym of *P. exanthematica*.

**Distribution of the studies area:** Gaziantep, Adıyaman, Diyarbakır **Habitat and host plants:** *Anchusa azurea*, *Echium* sp., *Triticum* sp., Scrub and meadow area (Önder et al., 1995; Lodos et al., 1998; Önder et al., 2006; Gözüaçık & Fent, 2012).

***Psacasta tuberculata* (Fabricius, 1781)**

**Distribution of the studies area:** Gaziantep, **Habitat:** Scrub and meadow area (Önder et al., 1995; Önder et al., 2006).

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