

**SOUTHEASTERN ANATOLIA REGION INSECT FAUNA I
(COLEOPTERA III: BUPRESTOIDEA; BYRRHOIDEA;
ELATEROIDEA; SCARABAEOIDEA; HYDROPHILOIDEA;
STAPHYLINOIDEA) OF TURKEY**

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ABSTRACT: Evaluated 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 1948-2013. During this study totally 267 species were found in 15 families and in 6 superfamilies of Coleoptera. Those superfamilies are Buprestoidea, Byrrhoidea, Elateroidea, Scarabaeoidea, Hydrophiloidea and Staphylinoidea. 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 Southeastern Anatolia Region was presented as detailed.

KEY WORDS: Insect Fauna, Coleoptera, Buprestoidea, Byrrhoidea, Elateroidea, Scarabaeoidea, Hydrophiloidea, Staphylinoidea, 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.

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 1948-2013 (Fig. 1).

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

RESULTS AND DISCUSSION

Surveys 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 1948-2013. 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: Coleoptera included 10 families were recorded (Table 1).

Order Coleoptera Superfamily Buprestoidea Family Buprestidae

***Acmaeodera brevipes* Kiesenwetter, 1858**; Distribution of the studies area: Adiyaman; Host plant: Unknown (Kısmalı et al., 1995).

***Acmaeodera flavolineata* Laporte & Gory, 1835**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al., 1995).

***Acmaeodera ocellata* Abeille de Perrin, 1891**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al., 1995).

***Acmaeodera saxicola* Spinola, 1838**; Distribution of the studies area: Gaziantep, Şırnak; Host plant: Unknown (Kısmalı et al. 1995).

***Acmaeoderella boryi* Brullé, 1832**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al., 1995).

***Acmaeoderella chrysanthemi* Chevrolat, 1854**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al., 1995).

***Acmaeoderella gibbiosa* Ménétré, 1832**; Distribution of the studies area: Gaziantep, Şanlıurfa; Host plant: Unknown (Kısmalı et al., 1995).

***Acmaeoderella serricornis* Abeille de Perrin, 1900**; Distribution of the studies area: Gaziantep, Şanlıurfa; Host plant: Unknown (Kısmalı et al., 1995).

***Acmaeoderella vetusta* Ménétré, 1832**; Distribution of the studies area: Diyarbakır, Gaziantep, Mardin, Şanlıurfa; Host plant: Unknown (Kısmalı et al., 1995).

***Agrius adlbaueri* Niehuis, 1987**; Distribution of the studies area: Adiyaman; Host plant: Unknown (Kısmalı et al., 1995).

***Agrius angustulus* Illiger, 1803**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al., 1995).

- Agrilus biguttatus* Fabricus, 1776**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al., 1995).
- Acmaeoderella vetusta* Ménériés, 1832**; Distribution of the studies area: Diyarbakır, Gaziantep, Mardin, Şanlıurfa; Host plant: Unknown (Kısmalı et al., 1995).
- Agrilus chlorophyllus* Abeille de Perrin, 1904**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt; Host plant: Unknown (Kısmalı et al., 1995).
- Agrilus convexicollis* Redtenbacher 1849**; Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Kısmalı et al. 1995).
- Agrilus derasofasciatus* Lacordaire, 1835**; Distribution of the studies area: Gaziantep, Mardin, Siirt; Host plant: Unknown (Kısmalı et al., 1995).
- Agrilus hastulifer* Ratzeburg, 1837**; Distribution of the studies area: Southeastern Anatolia; Host plant: Unknown (Kısmalı et al., 1995).
- Agrilus roscidus* Kiesenwetter, 1857**; Distribution of the studies area: Diyarbakır, Gaziantep, Mardin, Şanlıurfa; Host plant: *Amygdalus communis* L., *Prunus avium* L. (Kısmalı et al., 1995; Çınar et al., 2004; Bolu et al., 2005; Bolu & Özgen, 2011; Bolu et al., 2011).
- Agrilus viridicaerulans* Marseul, 1868**; Distribution of the studies area: Adıyaman, Diyarbakır, Mardin, Siirt; Host plant: *Pistacia vera* L. (Kısmalı et al., 1995; Günaydın, 1978).
- Anthaxia armeniaca armeniaca* Obenberger, 1929**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: *Pistacia vera* L., *Amygdalus communis* L. (Kısmalı et al., 1995; Günaydın, 1978; Bolu, 2002; Bolu et al., 2011).
- Anthaxia berytensis* Abeille de Perrin, 1895**; Distribution of the studies area: Diyarbakır, Mardin, Şanlıurfa, Host plant: Unknown (Kısmalı et al., 1995).
- Anthaxia cichorii* Olivier, 1790**; Distribution of the studies area: Diyarbakır, Gaziantep, Mardin, Şırnak; Host plant: Unknown (Tozlu & Yardibi, 2013).
- Anthaxia eugeniae eugeniae* Ganglbauer, 1885**; Distribution of the studies area: Southeastern Anatolia; Host plant: Unknown (Kısmalı et al., 1995).
- Anthaxia funerula* Illiger, 1803**; Distribution of the studies area: Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Anthaxia ghazi* Cobos, 1965**; Distribution of the studies area: Diyarbakır; Host plant: Unknown (Kısmalı et al., 1995).
- Anthaxia* (s.str.) *lucens* Küster, 1852**; Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Amygdalus communis* L. (Bolu et al., 2005; Bolu & Özgen, 2011).
- Anthaxia millefolii* Fabricius, 1801**; Distribution of the studies area: Gaziantep; Host plant: *Amygdalus communis* L. (Tozlu & Yardibi, 2013).
- Anthaxia olympica* Kiesenwetter, 1880**; Distribution of the studies area: Siirt; Host plant: Unknown (Kısmalı et al., 1995).
- Anthaxia puella* Bíly, 1980**; Distribution of the studies area: Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Anthaxia rutilipennis* Abeille de Perrin; 1891**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al., 1995).
- Anthaxia turcomanica* Obenberger, 1938**; Distribution of the studies area: Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Anthaxia tractata* Abeille de Perrin, 1901**; Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Amygdalus communis* L., *Pistacia vera* L. (Bolu & Özgen, 2011).
- Aurigena cuprata* Klug, 1829**; Distribution of the studies area: Adıyaman, Şanlıurfa; Host plant: Unknown (Tozlu & Özgen, 2000).
- Aurigena lugubris* Fabricius, 1777**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: *Amygdalus communis* L., *Prunus avium* L., *Pistacia vera* L. (Günaydın, 1978; Kısmalı et al., 1995; Bolu, 2002; Çınar et al., 2004; Bolu & Özgen, 2011).
- Aurigena lugubris longicollis* Kraatz, 1881**; Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Amygdalus communis* L. (Bolu et al., 2005; Bolu & Özgen 2011; Bolu et al., 2011).

- Aurigena viridicoerulans* Marseul, 1868**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: *Prunus avium* L. (Günaydın, 1978; Bolu, 2002)
- Capnodis carbonaria* Klug, 1829**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin; Host plant: *Amygdalus communis* L., *Prunus avium* L. (Kısmalı et al., 1995; Çınar et al., 2004; Bolu et al., 2005, Bolu & Özgen, 2011, Bolu et al., 2011).
- Capnodis cariosa hauseri* (Obenberger, 1928)**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: *Prunus avium* L., *Pistacia vera* L. (Kısmalı et al., 1995; Günaydın, 1978; Bolu, 2002; Yücel et al., 2002; Çınar et al., 2004; Karadağ et al., 2007)
- Capnodis miliaris* Klug, 1829**; Distribution of the studies area: Diyarbakır, Şanlıurfa; Host plant: Unknown (Kısmalı et al., 1995)
- Capnodis porosa* Klug, 1829**; Distribution of the studies area: Adıyaman, Gaziantep, Mardin; Host plant: Unknown (Kısmalı et al., 1995)
- Capnodis tenebrionis* Linnaeus, 1758**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: *Olea europea* L., *Pistacia vera* L. (Günaydın, 1978; Kısmalı et al., 1995; Bolu, 2002; Kaplan et al., 2011).
- Capnodis tenebricosa* Oliver, 1790**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: *Amygdalus communis* L., *Prunus avium* L. (Kısmalı et al., 1995; Çınar et al., 2004; Bolu et al., 2005; Bolu & Özgen 2011).
- Chalcophora detrita* Klug, 1829**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al. 1995).
- Chalcophora morgani* Théry, 1925**; Distribution of the studies area: Şırnak; Host plant: Unknown (Kısmalı et al. 1995).
- Chalcophorella quadrioculata* Redtenbacher, 1843**; Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Amygdalus communis* L. (Bolu & Özgen, 2011).
- Chalcophorella stigmatica* Schoenherr, 1817**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa; Host plant: *Amygdalus communis* L., *Olea europea* L. (Maçan, 1986; Kısmalı et al., 1995; Bolu et al., 2005; Bolu & Özgen, 2011; Kaplan et al., 2011).
- Chrysobothris affinis* Fabricius, 1794**; Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Amygdalus communis* L. (Bolu et al., 2005; Bolu & Özgen, 2011).
- Chrysobothris samaii* Curletti & Magnani, 1988**; Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Amygdalus communis* L. (Bolu et al., 2005; Bolu & Özgen, 2011).
- Julodis armeniaca* Marseul, 1865**; Distribution of the studies area: Adıyaman, Diyarbakır, Mardin; Host plant: *Amygdalus communis* L. (Kısmalı et al., 1995; Bolu et al., 2005; Bolu & Özgen, 2011).
- Julodis intricata* Redtenbacher, 1843**; Distribution of the studies area: Diyarbakır; Host plant: Unknown (Kısmalı et al., 1995)
- Julodis onopordi* Fabricius, 1787**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Latipalpis stellio* Kiesenwetter, 1857**; Distribution of the studies area: Diyarbakır; Host plant: Unknown (Kısmalı et al., 1995)
- Melanophila picta* Fabricius, 1787**; Distribution of the studies area: Diyarbakır; Host plant: Unknown (Kısmalı et al., 1995).
- Meliboeus heydeni* Abeille de Perrin, 1897**; Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Amygdalus communis* L. (Bolu et al., 2005; Bolu & Özgen, 2011).
- Perotis lugubris* Fabricius, 1777**; Distribution of the studies area: Adıyaman, Diyarbakır, Mardin, Siirt, Şanlıurfa; Host plant: *Amygdalus communis* L. *Pistacia vera* L. (Maçan, 1986; Bolu et al., 2005; Bolu & Özgen, 2011).
- Polyctesis rhois* Marseul, 1865**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al., 1995)
- Ptosima flavoguttata* Illiger, 1803**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin, Şanlıurfa; Host plant: *Amygdalus communis* L., *Prunus avium* L. (Kısmalı et al., 1995; Çınar et al., 2004; Bolu et al., 2005; Bolu & Özgen, 2011).

- Psiloptera mimosae* Klug, 1829**; Distribution of the studies area: Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Scintillatrix rutilans* Fabricius, 1777**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al., 1995).
- Scintillatrix solieri* Laporte & Gory, 1837**; Distribution of the studies area: Diyarbakır; Host plant: Unknown (Kısmalı et al., 1995).
- Sphenoptera adusta* Jakovlev, 1887**; Distribution of the studies area: Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Sphenoptera (Trop.) anthaxoides* Reitter, 1895**; Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Amygdalus communis* L. (Bolu et al., 2005; Bolu & Özgen, 2011).
- Sphenoptera simulatrix* Reitter, 1895**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin, Şanlıurfa; Host plant: *Prunus avium* L. (Çınar et al., 2004).
- Sphenoptera antiqua* Illiger, 1803**; Distribution of the studies area: Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Sphenoptera anxia* Jakovlev, 1900**; Distribution of the studies area: Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Sphenoptera coracina* Steven, 1830**; Distribution of the studies area: Diyarbakır; Host plant: Unknown (Kısmalı et al., 1995).
- Sphenoptera dichroa* Jakovlev, 1887**; Distribution of the studies area: Gaziantep, Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Sphenoptera nereis* Obenberger, 1927**; Distribution of the studies area: Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Sphenoptera obnubila* Jakovlev, 1908**; Distribution of the studies area: Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Sphenoptera simulatrix* Reitter, 1895**; Distribution of the studies area: Southeastern Anatolia; Host plant: Unknown (Kısmalı et al., 1995).
- Sphenoptera (Tropeopeltis) tappesi* Marseul, 1865**; Distribution of the studies area: Diyarbakır, Gaziantep, Mardin; Host plant: *Amygdalus communis* L., *Pyrus armeniaca* L., *Prunus avium* L., *Prunus persica* (L.), *Prunus domestica* L. (Kısmalı et al., 1995; Bolu et al., 2005; Bolu, 2008; Bolu et al., 2011; Bolu & Özgen, 2011).
- Sphenoptera tauricola* Obenberger, 1927**; Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Kısmalı et al., 1995).
- Stigmatophorella quadrioculata* Redtenbacher, 1843**; Distribution of the studies area: Diyarbakır, Mardin, Siirt; Host plant: *Prunus avium* L. (Kısmalı et al., 1995; Çınar et al., 2004).
- Trachys scrobiculatus* Kiesenwetter, 1857**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Kısmalı et al., 1995).

Superfamily Byrrhoidea

Family Heteroceridae

- Augyles flavidus* Rossi, 1794**; Distribution of the studies area: Mardin, Şırnak; Host plant: Unknown (Taşar & Mascagni, 2014).
- Dryops jeanneli* Bollow, 1939**; Distribution of the studies area: Adıyaman; Host plant: Unknown (Taşar & Mascagni, 2014).
- Dryops lutulentus* Erichson, 1847**; Distribution of the studies area: Adıyaman; Host plant: Unknown (Taşar & Mascagni, 2014).
- Dryops nitidulus* Heer, 1841**; Distribution of the studies area: Adıyaman; Host plant: Unknown (Taşar & Mascagni, 2014).
- Dryops rufipes* Krynicki, 1832**; Distribution of the studies area: Adıyaman; Host plant: Unknown (Taşar & Mascagni, 2014).
- Elmis maugetii maugetii* Latreille, 1798**; Distribution of the studies area: Adıyaman; Host plant: Unknown (Taşar & Mascagni, 2014).
- Heterocerus fenestratus* Thunberg, 1784**; Distribution of the studies area: Adıyaman, Diyarbakır; Host plant: Light trap (Taşar & Mascagni, 2014).
- Heterocerus fuscus* Kiesenwetter, 1843**; Distribution of the studies area: Adıyaman; Host plant: Unknown (Taşar & Mascagni, 2014).

Superfamily Elateroidea**Family Elateridae**

***Agriotes lineatus* Linnaeus, 1767**; Distribution of the studies area: Adıyaman, Diyarbakır, Mardin, Siirt; Host plant: *Nicotiana tobacum* L. (Karaat, 1986).

***Cardiophorus nigratissimus* Buysson, 1891**; Distribution of the studies area: Diyarbakır, Siirt; Host plant: *Nicotiana tobacum* L., *Lycopersicon esculentum* Mill., *Gossypium hirsutum* L. (Kabalak & Sert 2005; Kesdek et al., 2006).

***Cardiophorus sacratu* Erichson, 1840**; Distribution of the studies area: Gaziantep; Host plant: *Nicotiana tobacum* L., *Lycopersicon esculentum*, *Gossypium hirsutum* L. (Kabalak & Sert, 2005).

***Drasterius bimaculatus* Rossi, 1790**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Surgut & Varlı, 2012)

***Melanotus fusciceps* Gyllenhal, 1817**; Distribution of the studies area: Diyarbakır, Mardin, Şanlıurfa; Host plant: Unknown (Kesdek et al., 2006; Surgut & Varlı, 2012).

***Pittonotus theseus* Germar, 1817**; Distribution of the studies area: Gaziantep, Şanlıurfa; Host plant: Unknown (Kesdek et al., 2006).

Superfamily Scarabaeoidea**Family Aphodiidae**

***Aphodius consputus* Creutzer, 1799**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Aphodius ghardimaouensis* Balthasar, 1829**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Aphodius granarius* Linnaeus, 1767**; Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Winter quarters (Lodos et al., 1984; Lodos et al., 1999; Gözüaçık, 2012).

***Aphodius erraticus* Linnaeus, 1758**; Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Winter quarters (Lodos et al., 1984; Lodos et al., 1999; Gözüaçık, 2012).

***Aphodius fimetarius* Linnaeus, 1758**; Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Winter quarters (Lodos et al., 1984; Lodos et al., 1999; Gözüaçık, 2012).

***Aphodius fritschi* Balthasar, 1933**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Winter quarters (Pehlivan et al., 1995).

***Aphodius immundus* Creutzer, 1799**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995; Lodos et al., 1999).

***Aphodius lineimargo* Reitter, 1892**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Aphodius lineolatus* Illinger, 1803**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999)

***Aphodius luridus* Fabricius, 1775**; Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Winter quarters (Lodos et al., 1984; Lodos et al., 1999; Gözüaçık, 2012).

***Acrossus luridus* Fabricius, 1775**; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep; Host plant: Unknown (Lodos et al., 1984; Lodos et al., 1999).

***Aphodius melanostichus* Schmidt, 1840**; Distribution of the studies area: Diyarbakır; Host plant: Winter quarters (Lodos et al., 1984; Lodos et al., 1999; Gözüaçık, 2012).

***Aphodius moestus* Fabricius, 1801**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Aphodius persicus* Petrovitz, 1961**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Aphodius prodromus* Brahm, 1790**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

***Aphodius pubescens* Sturm, 1800**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

***Aphodius quadriguttatus* Herbst, 1783**; Distribution of the studies area: Diyarbakır, Gaziantep; Host plant: Winter quarters (Lodos et al., 1984; Lodos et al., 1999; Gözüaçık, 2012).

***Aphodius quadrimaculatus* Linnaeus, 1761**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Lodos et al., 1999).

***Aphodius tessulatus* Paykull, 1798**; Distribution of the studies area: Diyarbakır; Host plant: Winter quarters (Lodos et al., 1984; Gözüaçık, 2012).

***Aphodius transvolgensis* Semenov, 1898**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Aphodius satellitus* Herbst, 1789**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Aphodius serotinus* Panzer, 1799**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Aphodius sphaeculatus* Panzer, 1798**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Aphodius suarius* Faldermann, 1835**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

***Aphodius subterraneus* Linnaeus, 1758**; Distribution of the studies area: Diyarbakır; Host plant: Winter quarters (Lodos et al., 1984; Gözüaçık, 2012)

***Aphodius vittatus* Say, 1825**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Pehlivan et al., 1995).

***Aphodius zurcheri* Reitter, 1908**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Paracoptochirus singularis* Harold, 1868**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Pleurophorus anatolicus* Petrovitz, 1961**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Family Melolonthidae

***Amphimallon caucasicus* Gyllenhal, 1817**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Amphimallon persicus* Petrovitz, 1963**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Anoxia meridionalis* Reitter, 1890**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Hoplia kunzei* Schmidt, 1840**; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

***Haplidia migliacidi* Baraud, 1975**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Haplidia transversa* Fabricius, 1801**; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Homaloptia labrata* Burmeister, 1855;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Polyphylla fullo* Linnaeus, 1758;** Distribution of the studies area: Southeastern Anatolia; Host plant: Unknown (Karagöz et al., 2011)

***Polyphylla olivieri* Castelnau, 1840;** Distribution of the studies area: Adıyaman; Host plant: Unknown (Karagöz et al., 2011)

Family Rutelidae

***Anisoplia austriaca* Herbst, 1783;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995; Lodos et al., 1999).

***Anisoplia farraria* Erichson, 1848;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Anisoplia leucaspis* Laporte de Castelnau, 1840;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Önder et al., 1995)

***Anisoplia noahi* Petrovitz, 1873;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Anisoplia segetum* Herbst, 1783;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Anisoplia syriaca* Reitter, 1903;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Anomala osmanlis* Blanchard, 1851;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Anomala solida* Erichson, 1848;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Blitopertha abdita* Petrovitz, 1959;** Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

***Blitopertha nazarena* Marseul, 1878;** Distribution of the studies area: Adıyaman, Diyarbakır, Mardin, Şanlıurfa; Host plant: *Amygdalus communis* L., *Cucumis sativus* L., *Triticum* sp. (Adıgüzel, 1975; Karaca et al., 2012).

***Pharaonus varicolorus* Burmeister, 1844;** Distribution of the studies area: Diyarbakır; Host plant: *Gossypium hirsutum* L., *Glycyrrhiza glabra* L. (Karaat & Göven, 1985; Karaat et al., 1986).

***Brancoplia leucaspis* Laporte de Castelnau, 1840;** Distribution of the studies area: Şırnak; Host plant: Unknown (Karaat & Göven, 1985; Karaat et al., 1986).

Family Scarabaeidae

***Caccobius histeroides* Ménetriés, 1832;** Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

***Caccobius schreberi* Linnaeus, 1767;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995; Lodos et al., 1999).

***Copris hispanus* Linnaeus, 1764;** Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

***Chironitis furcifer* Rossi, 1792;** Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

***Chironitis haroldi* Ballion, 1870;** Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

***Epicometis (Tropinota) hirta* Poda, 1761;** Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Amygdalus communis* L. (Bolu et al., 2005).

***Euoniticellus fulvus* Goeze, 1777;** Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Euoniticellus pallipes Fabricius, 1781; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Gymnopleurus flagellatus Fabricius, 1787; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995; Lodos et al., 1999).

Gymnopleurus geoffroyi geoffroyi Fuessly, 1775; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995; Lodos et al., 1999).

Gymnopleurus mopsus Pallas, 1781; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995; Lodos et al., 1999).

Onitis damoetas Steven, 1806; Distribution of the studies area: Diyarbakır; Host plant: Unknown (Pehlivan et al., 1995; Lodos et al., 1999; Gözüaçık, 2012).

Onitis humerosus Pallas, 1771; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995; Lodos et al., 1999; Gözüaçık, 2012).

Onthophagus aleppensis Redtenbacher, 1843; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Onthophagus atramentarius Ménétrés, 1838; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Onthophagus amyntos Olivier, 1789; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Onthophagus fissicornis Steven, 1809; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995; Lodos et al., 1999).

Onthophagus fissinasus Fairmaire, 1895; Distribution of the studies area: Diyarbakır; Host plant: Winter quarters (Lodos et al., 1984; Gözüaçık, 2012).

Onthophagus furcatus Fabricius, 1781; Distribution of the studies area: Diyarbakır, Mardin, Siirt; Host plant: Light trap (Lodos et al., 1999; Özgen et al., 2011.)

Onthophagus fracticornis Preysslér, 1790; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Onthophagus gibbosus Scriba, 1790; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Onthophagus lucidus Sturm, 1800; Distribution of the studies area: Diyarbakır; Host plant: Winter quarters (Lodos et al., 1984; Gözüaçık, 2012).

Onthophagus sürmeli Petrovitz, 1963; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

Onthophagus opacicollis Reitter, 1892; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Onthophagus ruficapillus Brullé, 1832; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Onthophagus sericatus Reitter, 1893; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Onthophagus taurus Schreber, 1759; Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

Scarabaeus pius Illiger, 1803; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

Family Glaphyridae

Eulasia alepensis (Menetries, 1832); Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

Eulasia chalybaea Linnaeus, 1758; Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Eulasia fastuosa* Reitter, 1890;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Eulasia ithaea* (Reitter, 1890);** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Eulasia praeusta* Champenois, 1896;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Eulasia pretiosa* Reitter, 1890;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Eulasia vittata* Fabricius, 1775;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Euonthophagus atramentarius* Ménétríés, 1838;** Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep; Host plant: Unknown (Pehlivan et al., 1995).

***Glaphyrus festivus* Ménétríés, 1836;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Glaphyrus micans* Faldermann, 1835;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Glaphyrus varians* Reitter, 1903;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Pygopleurus angulatus* Fairmaire, 1884;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Pygopleurus foina* Reitter, 1890;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Pygopleurus kareli* Petrovitz, 1962;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Pygopleurus mithridates* Petrovitz, 1962;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Pygopleurus rufovillosus* Reitter, 1907;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Pygopleurus vulpes* Fabricius, 1781;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Oxythyrea cinctella* Schaum, 1841;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Palaeonthophagus lucidus* Illiger, 1800;** Distribution of the studies area: Diyarbakır; Host plant: Unknown (Pehlivan et al., 1995).

Family Dynastidae

***Pentodon bispinosus* Küster, 1852;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Pentodon idiota* Herbst, 1789;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Pentodon punctatus* Villers, 1789;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

Family Cetoniidae

***Aethiessa mesopotamica* Burmeister, 1842;** Distribution of the studies area: Gaziantep; Host plant: *Althaea rosae*, *Onopordum* sp., *Quercus* sp., *Verbascum* sp. and Unknown. (Lodos et al., 1999).

***Cetonia aurata* Linnaeus, 1758;** Distribution of the studies area: Gaziantep; Host plant: *Cistus* sp., *Crataegus* sp., *Quercus* sp., *Sinapis* sp., Unknown (Lodos et al., 1999).

***Chromovalqus peyrani* Mulsant, 1852;** Distribution of the studies area: Gaziantep; Host plant: *Althaea rosae*, *Centaurea* sp., *Cirsium* sp., *Cistus* sp., *Euphorbia* sp., *Onopordum* sp., *Rumex* sp., *Salvia* sp., *Sinapis* sp., *Verbascum* sp., Apiaceous plants, Unknown (Lodos et al., 1999).

***Melolontha albida* Frivaldszky, 1835;** Distribution of the studies area: Gaziantep; Host plant: Unknown (Lodos et al., 1999).

***Netocia afflicta* Gory & Percheron, 1833;** Distribution of the studies area: Gaziantep; Host plant: *Althaea rosae*, *Onopordum* sp. and Unknown. (Lodos et al., 1999).

***Netocia subpilosa* Desbrochers des Loges, 1869;** Distribution of the studies area: Gaziantep; Host plant: *Lens esculenta* and *Onopordum* sp. (Lodos et al., 1999).

***Oxythyrea cinctella* Schaum, 1841;** Distribution of the studies area: Gaziantep; Host plant: *Althaea rosae* L., *Asphodelus* sp., *Centaurea* sp., *Cirsium* sp., *Cistus* sp., *Lens esculenta* (Lentil), *Matricaria chamomilla* L., *Medicago sativa* L., *Mentha* sp., *Onopordum* sp., *Paliurus* sp., *Papaver* sp., *Pistacia terebinthus* L., *Quercus* sp., *Rubus* sp., *Salvia* sp., *Sinapis* sp., *Styrax* sp., *Tamarix* sp., *Thymus* sp., *Verbascum* sp., poaceous, apiaceous plants and Unknown. (Lodos et al., 1999).

***Potosia cuprea* Fabricius, 1775;** Distribution of the studies area: Gaziantep; Host plant: *Althaea rosae*, *Cirsium* sp., *Genista* sp., *Onopordum* sp., *Quercus* sp., *Pyrus elaeagnifolia*, *Rosa* sp., *Thymus* sp., *Verbascum* sp., *Vitis vinifera* and Unknown. (Pehlivan et al., 1995).

***Potosia afflicta* Gory & Percheron, 1833;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Potosia cuprea* Reitter, 1898;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Potosia speciosa* Adams, 1817;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Potosia subpilosa* Desbrochers des Loges, 1869;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Potosia vidua* Gory & Perch., 1833;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: Unknown (Pehlivan et al., 1995).

***Tropinota hirta* Poda, 1761;** Distribution of the studies area: Mardin; Host plant: *Prunus avium* L. (Lodos et al., 1999).

***Valgus hemipterus* Linnaeus, 1758;** Distribution of the studies area: Adıyaman, Batman, Diyarbakır, Gaziantep, Mardin, Siirt, Şanlıurfa, Şırnak; Host plant: *Crataegus* sp., *Fagus* sp., *Quercus* sp., *Rubus* sp., *Tamarix* sp., *Urtica* sp., *Althaea rosae*, *Asphodelus* sp., *Centaurea* sp., *Cirsium* sp., *Cistus* sp., *Genista* sp., *Laurus* sp., *Lens esculenta*, *Matricaria chamomilla*, *Medicago sativa*, *Onopordum* sp., *Papaver* sp., *Pinus* sp., *Pyrus communis*, *Pyrus elaeagnifolia*, *Rosa* sp., *Sinapis* sp., *Spinacia oleracea*, *Styrax* sp., *Verbascum* sp., *Vicia faba*, poaceous and leguminous plants and Unknown. (Lodos et al., 1999)

Superfamily Hydrophiloidea

Family Hydrophilidae

***Laccobius gracilis* Motschulsky, 1855;** Distribution of the studies area: Southeastern Anatolia; Host plant: Unknown (Yilmaz, 2011).

***Laccobius hindukuschi* Chiesa, 1966;** Distribution of the studies area: Southeastern Anatolia; Host plant: Unknown (Yilmaz, 2011).

***Laccobius obscuratus orchymonti* Gentili, 1976;** Distribution of the studies area: Southeastern Anatolia; Host plant: Unknown (Yılmaz, 2011).

***Laccobius scutellaris* Motschulsky, 1855;** Distribution of the studies area: Southeastern Anatolia; Host plant: Unknown (Yılmaz, 2011).

Laccobius sipylus d'Orchymont, 1839; Distribution of the studies area: Diyarbakır; Host plant: Unknown (Yılmaz, 2011).

***Laccobius sulcatus* Reitter, 1909;** Distribution of the studies area: Diyarbakır; Host plant: Unknown (Yılmaz, 2011).

***Laccobius syriacus* Guillebeau, 1896;** Distribution of the studies area: Diyarbakır, Gaziantep, Mardin, Şanlıurfa; Host plant: Unknown (Yılmaz, 2011).

Family Helophoridae

***Helophorus aquaticus* Linnaeus, 1758;** Distribution of the studies area: Diyarbakır, Mardin, Şırnak; Host plant: Winterquarters (Lodos et al., 1984; Yılmaz, 2011; Gözüaçık, 2012).

***Helophorus (Atracthelophorus) brevipalpis* Bedel, 1881;** Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Gözüaçık, 2012).

Helophorus (Atracthelophorus) daedalus d'Orchymont, 1932; Distribution of the studies area: Diyarbakır, Şırnak; Host plant: Unknown (Yılmaz, 2011).

***Helophorus (R.) hilaris* Sharp, 1916;** Distribution of the studies area: Diyarbakır, Mardin, Şırnak; Host plant: Unknown (Karalar, 2007).

***Helophorus (Atracthelophorus) lewisi* Angus, 1985;** Distribution of the studies area: Diyarbakır, Şırnak; Host plant: Unknown (Karalar, 2007).

***Helophorus (Eutrichelophorus) micans* Faldermann, 1835;** Distribution of the studies area: Diyarbakır; Host plant: Winterquarters (Lodos et al., 1984; Yılmaz, 2011; Gözüaçık, 2012).

***Helophorus (Empleurus) nubilus* Fabricius, 1777;** Distribution of the studies area: Diyarbakır; Host plant: Unknown (Yılmaz, 2011).

***Helophorus pallidipennis* Mulsant & Wachanru, 1852;** Distribution of the studies area: Diyarbakır, Şırnak; Host plant: Unknown (Yılmaz, 2011).

***Helophorus syriacus* Kuwert, 1885;** Distribution of the studies area: Diyarbakır, Gaziantep, Mardin; Host plant: Unknown (Yılmaz, 2011).

Superfamily Staphylinoidea

Family Staphylinidae

***Anotylus inustus* Gravenhorst, 1806;** Distribution of the studies area: Batman, Diyarbakır, Kilis, Mardin, Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Anlaş, 2009; Özgen & Anlaş, 2011)

***Anotylus nitidulus* Gravenhorst, 1802;** Distribution of the studies area: Kilis, Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Anlaş, 2009; Özgen & Anlaş, 2011).

***Anotylus tetracarinatus* Block, 1799;** Distribution of the studies area: Diyarbakır; Host plant: *Pistacia vera* L. (Şimşek, 2012).

***Aleochara tristis* Gravenhorst, 1806;** Distribution of the studies area: Diyarbakır, Gaziantep, Mardin, Siirt; Host plant: *Prunus avium* L., *Gossypium hirsutum* L., *Pistacia vera* L. (Tezcan & Anlaş, 2009; Özgen & Anlaş, 2011; Şimşek, 2012).

***Astenus melanurus* Küster, 1853;** Distribution of the studies area: Batman, Gaziantep, Kilis, Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Anlaş, 2009; Özgen & Anlaş, 2011).

***Bisnius fimetarius* Gravenhorst, 1802;** Distribution of the studies area: Kilis, Şanlıurfa; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Anlaş, 2009; Özgen & Anlaş, 2011).

***Bledius furcatus* Olivier, 1811;** Distribution of the studies area: Diyarbakır, Kilis; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Anlaş, 2009; Özgen & Anlaş, 2011).

***Bolitobius castaneus* Stephens, 1832;** Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Özgen & Anlaş, 2011).

***Bryoporus multipunctus* Hampe, 1867;** Distribution of the studies area: Diyarbakır; Host plant: Unknown (Özgen & Anlaş, 2011).

***Carpelimus bilineatus* Stephens, 1834;** Distribution of the studies area: Diyarbakır, Mardin, Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).

- Carpelinus corticinus* Gravenhorst, 1802;** Distribution of the studies area: Diyarbakır; Host plant: *Gossypium hirsutum*, *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Coproporus colchicus* Kraatz, 1858;** Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Özgen & Anlaş, 2011).
- Creophilus maxillosus* Linnaeus, 1758;** Distribution of the studies area: Gaziantep, Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Deleaster dichrous* Gravenhorst, 1802;** Distribution of the studies area: Adiyaman; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Gabrius nigritulus* Gravenhorst, 1802;** Distribution of the studies area: Mardin; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Gyrophypnus angustatus* Stephens, 1832;** Distribution of the studies area: Mardin; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Heterothops binotatus* Gravenhorst, 1802;** Distribution of the studies area: Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Lamprinodes fairmairei* Leprieur, 1853;** Distribution of the studies area: Diyarbakır, Kilis, Mardin; Host plant: Unknown (Anlaş, 2009; Özgen & Anlaş, 2011).
- Lithocharis ochracea* Gravenhorst, 1802;** Distribution of the studies area: Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Luzea nigritula* Erichson, 1840;** Distribution of the studies area: Diyarbakır, Gaziantep, Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Lordithon exoletus* Erichson, 1839;** Distribution of the studies area: Diyarbakır; Host plant: Unknown (Özgen & Anlaş, 2011).
- Medon fuscus* Mannerheim, 1830;** Distribution of the studies area: Adiyaman, Mardin; Host plant: *Prunus avium* L. (Tezcan & Anlaş, 2009).
- Medon semiobscurus* Fauvel, 1875;** Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Micrillus testaceus* Erichson, 1840;** Distribution of the studies area: Adiyaman, Batman, Diyarbakır, Gaziantep; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Othius laeviusculus* Stephens, 1833;** Distribution of the studies area: Adiyaman, Batman; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Oxytellus piceus* Linnaeus, 1767;** Distribution of the studies area: Mardin; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Paederus fuscipes* Curtis, 1840;** Distribution of the studies area: Batman, Diyarbakır, Gaziantep, Mardin, Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Platystethus cornutus* Gravenhorst, 1802;** Distribution of the studies area: Mardin; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Philonthus atratus* Gravenhorst, 1802;** Distribution of the studies area: Batman, Diyarbakır; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Philonthus concinnus* Gravenhorst, 1802;** Distribution of the studies area: Diyarbakır, Mardin; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Philonthus quisquiliarius* Gyllenhal, 1810;** Distribution of the studies area: Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Sepedophilus littoreus* Linnaeus, 1758;** Distribution of the studies area: Diyarbakır, Mardin; Host plant: Unknown (Özgen & Anlaş, 2011).
- Scopaeus ebneri* Scheerpeltz, 1929;** Distribution of the studies area: Diyarbakır, Gaziantep, Siirt, Şanlıurfa, Şırnak; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Scopaeus gracilis* Sperk, 1835;** Distribution of the studies area: Adiyaman, Siirt; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).
- Tachinus corticinus* Gravenhorst, 1802;** Distribution of the studies area: Gaziantep; Host plant: Unknown (Özgen & Anlaş, 2011).
- Tachinus fimetarius* Gravenhorst, 1802;** Distribution of the studies area: Adiyaman, Diyarbakır, Mardin; Host plant: Unknown (Özgen & Anlaş, 2011).
- Tachyporus chrysomelinus* Linnaeus, 1758;** Distribution of the studies area: Diyarbakır; Host plant: Unknown (Özgen & Anlaş, 2011).

Tachyporus hypnorum Fabricius, 1775; Distribution of the studies area: Adıyaman, Diyarbakır, Gaziantep, Mardin, Şırnak; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011; Özgen et al., 2011)

Tachyporus nitidulus Fabricius, 1781; Distribution of the studies area: Diyarbakır, Gaziantep, Mardin; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011; Özgen et al., 2011; Şimşek, 2012).

Tachyporus pusillus Gravenhorst, 1806; Distribution of the studies area: Diyarbakır; Host plant: Unknown (Özgen & Anlaş, 2011).

Tachyporus scitulus Erichson, 1839; Distribution of the studies area: Adıyaman; Host plant: Unknown (Özgen & Anlaş, 2011).

Thinodromus arcuatus Stephens, 1834; Distribution of the studies area: Batman; Host plant: *Gossypium hirsutum* L., *Pistacia vera* L. (Özgen & Anlaş, 2011).

Xantholinus rufipennis Erichson, 1839; Distribution of the studies area: Diyarbakır, Gaziantep, Mardin; Host plant: *Prunus avium* L. (Ergül et al., 1972).

Family Hydraenidae

Ochthebius (Hymenodes) difficilis Mulsant, 1844; Distribution of the studies area: Adıyaman, Gaziantep, Kilis, Siirt; Host plant: Unknown (Topkara & Balık, 2008)

Family Silphidae

Ablattari alaevigata Fabricius, 1775; Distribution of the studies area: Diyarbakır; Host plant: Unknown

Aclypea undata Muller, 1776; Distribution of the studies area: Diyarbakır; Host plant: Unknown.

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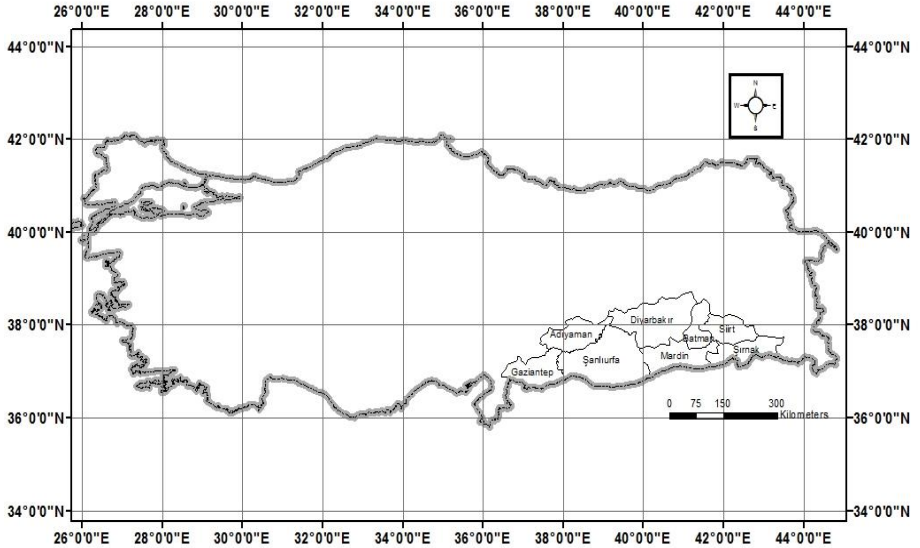


Figure 1. Sampling localities in Southeastern Anatolia Region of Turkey.

Table 1. Number of species of Coleoptera on Southeastern Anatolia Region.

Superfamily	Family	Number Species	%
Buprestoidea	Buprestidae	75	27.92
Byrrhoidea	Heteroceridae	8	3.02
Elateroidea	Elaterridae	6	2.26
Scarabaeoidea	Aphodidae	29	10.94
	Cetoniidae	16	6.04
	Melolonthidae	9	3.02
	Rutelidae	12	4.53
	Glaphyridae	19	7.17
	Scarabaeidae	28	10.57
	Dynastidae	3	1.13
Hydrophiloidea	Helophoridae	9	3.40
	Hydrophilidae	7	2.64
Staphylinoidea	Staphylinidae	43	16.293
	Silphidae	2	0.75
	Hydraenidae	1	0.38
Total	15	267	100.00