

# A Preliminary Study on Determination of Insect Fauna of İnkumu and its Surrounding Area (Bartın, Turkey)

## İnkumu ve Çevresinin (Bartın, Türkiye) Böcek Faunasının Tespit Edilmesi Üzerine Bir Ön Çalışma

Research Article

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### ABSTRACT

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In the studies for the determination of insect fauna of İnkumu and its surrounding area, 202 species belonging to 138 genera, 53 families and 11 orders have been detected. List of detected orders, families and species are given.

### Key Words

İnkumu, Bartın, Insect, Fauna.

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### ÖZET

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İnkumu ve çevresinin böcek faunasının belirlenmesi için yapılan çalışmalarda 11 takım, 53 familyadan 138 cinse bağlı 202 tür tespit edilmiştir. Tespit edilen takımların, familyaların ve türlerin listesi verilmiştir.

### Anahtar Kelimeler

İnkumu, Bartın, Böcek, Fauna

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## INTRODUCTION

İnkumu is situated at Northwest of Central County of Bartın Province. Bartın is surrounded by mountains which are below 2000 m. Mountains are arduous and rocky towards seashores. Keçikıran hill, which is 1619 m, is the highest point of Bartın. The most significant mountains are Aladağ, Kocadağ, Karadağ, Kayaardı, Karasu and Arit. Terrain of Bartın province is deeply fragmented by Bartın river and its branches. There are narrow and deep valleys at broad parts of river and between deep walls of mountains. There are more flat plains at centrum than rest of province. Uluyayla, Zoni, Ardiç (Gezen) and Kokurdan are important plateaus of Bartın. According to diversity of trees, other plants and wild animals, forests of Bartın are the most interesting and richest forests of Turkey. Forests of Bartın are composed of broad-leaved and coniferous trees. Characteristic trees of seashores up to 600 m are oak, beech and hornbeam trees. There are beech, chestnut, firs and pine trees at inner parts of seashores and after 1500 m and there are walnut, chestnut and hazelnut plantations at seashores [1].

## MATERIAL AND METHOD

Two ways were applied to detect insect fauna of İnkumu. First ways is collecting insect species by using different collecting methods and second way is detecting species of this area from previous studies of different researchers. Species were collected by hand, insect nets and aspirators between 2003 and 2006. Specimens of species were put in collection. Species were determined by comparing with previously determined museum species and different studies of other researchers [2-9]. There is only a study, which is study of Lodos et al. [10] form Western Blacksea region. Species, which are given from literature, are mentioned with "Lit."

## RESULTS AND DISCUSSION

Vegetation and topography properties of İnkumu and its surroundings areas exhibit that its diversity of insect fauna may be rich. This study is preliminary study and it is not possible to say present list of insect fauna does not represent

whole area's insect fauna. In order to represent whole insect fauna of research area long-term studies are important. Species of research area, which were collected and taken form literature, are given in table.1.

As a result of this study, 145 species belonging to 126 genera, 50 families and 11 order were collected from research area. Five species of determined species were also reported by Lodos et al. [10] "Lit.". In addition to that, 40 species are added to collected species, which were given from Bartın province in present literature [10]. Although 202 genera and species are given from research area, more species can be collected by long-term studies. Most of genera and species were determined from order Coleoptera (77 genera, 125 species). It is followed by other orders, which are Lepidoptera (23 genera, 27 species), Hemiptera (20 genera, 22 species), Hymenoptera (6 genera, 13 species), Orthoptera (4 genera, 6 species), Odonata (2 genera, 3 species), Diptera (2 genera, 2 species), Mantodea, Dermaptera, Homoptera, Neuroptera (1 genera each, 1 species each).

During field studies, we recognized that people, who live intertwiningly with nature in villages near İnkumu, do not have enough information about insects. As a result of information lackness about differentiating insects from closely related arthropod groups as spiders, crabs and scorpions, there is a common fear about poisoning for native people. This kind of studies will be useful to tell information to people about insects and functioning of nature.

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**Table 1.** Determined insect orders, families and species list of İnkümu and its surrounding area.

	Collecting localities	Name of Collector
<b>Ordo: ODONATA</b>		
<b>Family: Platycnemididae</b>		
<i>Platycnemis pennipes</i> (Pallas, 1771)	Between Arıt-Darıören Arıt river side 12.VII.2003	O. Sert – M. Kabalak
<i>Platycnemis kervillei</i> (Martin, 1909)	Between Arıt-Darıören Arıt river side 12.VII.2003	O. Sert – M. Kabalak
<b>Family: Coenagrionidae</b>		
<i>Ischnura pumilis</i> (Charpentier, 1825)	Boğazköy exit 11.VII.2003	O. Sert – M. Kabalak
<b>Ordo: ORTHOPTERA</b>		
<b>Family: Acrididae</b>		
<i>Acrotylus</i> sp.	Boduna env. 11.VII.2003	O. Sert – M. Kabalak
<i>Oedipoda miniata</i> (Pallas, 1771)	İnkümu 24.IX.2003	O. Sert – M. Kabalak
<i>Oedipoda corulescens corulescens</i> (Linnaeus, 1758)	Karasu-1 23.IX.2003	O. Sert – M. Kabalak
<i>Sphingonotus pilosus</i> (Schrank , 1801)	Bartın river Yenikişla 11.VII.2003	O. Sert – M. Kabalak
<i>Sphingonotus rubescens</i> (Walker , 1870)	Döklimağ env. 12.VII.2006	O. Sert – M. Kabalak
<b>Family: Tettigoniidae</b>		
<i>Platycleis intermedia</i> (Serville, 1839)	Boduna env. 11.VII.2003	O. Sert – M. Kabalak
<b>Ordo: MANTODEA</b>		
<b>Family: Mantidae</b>		
<i>Mantis religiosa</i> Linnaeus, 1758	Karasu 23.IX.2003	O. Sert – M. Kabalak
<b>Ordo: DERMAPTERA</b>		
<b>Family: Forficulidae</b>		
<i>Forficula</i> sp.	Ahatlar 11.VI.2006;İnkümu 12.VI.2006	O. Sert – M. Kabalak
<b>Ordo: HEMIPTERA</b>		
<b>Family: Alydidae</b>		
<i>Alydus</i> sp.	Between Arıt and Darıören Arıt river side 12.VII.2003	O. Sert – M. Kabalak
<b>Family: Coreidae</b>		
<i>Coreus marginatus</i> (Linnaeus, 1758)	Potbaşı 26.VI.2004; Bus station env. 10.VI.2006; Kaman bridge 11.VI.2006; Güzelehisar 12. VI.2006	O. Sert – M. Kabalak
<i>Corisus hyoscyami</i> (Linnaeus, 1758)	Bus station env. 10.VI.2006	O. Sert – M. Kabalak
<i>Dicranocephalus agilis</i> (Scopoli, 1763)	Yenikişla entrance 11.VII.2003; Yeniköy entrance 10.VI.2006	O. Sert – M. Kabalak
<b>Family: Gerridae</b>		
<i>Gerris</i> sp.	Yenikişla entrance Boğazköy 10.VI.2006	O. Sert – M. Kabalak
<b>Family: Lygaeidae</b>		
<i>Rhyparochromus vulgarens</i> (Schilling, 1829)	Kozaçgız between Hanyeri and Hasankadı 13.VII.2003	O. Sert – M. Kabalak
<i>Piocoris erythrocephalus</i> (Lepeletier & Serville, 1825)	Ellibaş village 10.VI.2006; Yenikişla entrance Boğazköy 10.VI.2006	O. Sert – M. Kabalak
<b>Family: Miridae</b>		
<i>Brachycoleus</i> sp.	Ellibaş village 10.VI.2006	O. Sert – M. Kabalak
<i>Deraeocoris</i> sp.	Arıt river road 12.VI.2006	O. Sert – M. Kabalak
<i>Stenodema</i> sp.	13 km to Uluyayla Ulus 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Pentatomidae</b>		
<i>Aelia</i> sp.	İnkümu 10.VI.2006	O. Sert – M. Kabalak
<i>Carpocoris</i> sp.	13 km to Uluyayla Ulus 12.VI.2006	O. Sert – M. Kabalak
<i>Carpocoris pavidus</i> (Poda, 1761)	Arıt river side 12.VII.2003; Ulukaya village Ulus 12.VII.2003	O. Sert – M. Kabalak
<i>Dolycoris baccarum</i> (Linnaeus, 1758)	Yenikişla entrance, 11.VII.2003; Potbaşı 12.VII.2003; Between Arıt and Darıören Arıt river side 12.VII.2003; Ellibaş village 10.VI.2006	O. Sert – M. Kabalak
<i>Eurydema ventralis</i> (Herting, 1971)	İnkümu 26.VI.2004	O. Sert – M. Kabalak
<i>Eurydema oleraceum</i> (Linnaeus, 1758)	Küllü, Ulus road 10.VI.2006,	O. Sert – M. Kabalak
<i>Eysarcoris aeneus</i> (Scopoli)	Ellibaş village 10.VI.2006	O. Sert – M. Kabalak
<i>Palomena prasina</i> (Linnaeus, 1761)	İnkümu 25. 09.2003; Ellibaş village 10.VI.2006	O. Sert – M. Kabalak
<i>Stagonomus</i> sp.	Between Arıt and Darıören Arıt river side 12.VII.2003	O. Sert – M. Kabalak
<b>Family: Plataspidae</b>		
<i>Captasoma scutellatum</i>	Yenikişla entrance 11.VII.2003; Güzelehisar road, 12.VI.2006;İnkümu 10.VI.2006	O. Sert – M. Kabalak
<b>Family: Pyrrhocoridae</b>		
<i>Pyrrhocoris apterus</i> (Linnaeus, 1758)	İnkümu 12.VII.2003;İnkümu 25. 09.2003;Bus station env. 10.VI.2006	O. Sert – M. Kabalak
<b>Family: Scutelleridae</b>		
<i>Graphosoma lineatum</i> (Linnaeus, 1758)	Kaşbaşı village 12.VII.2003	O. Sert – M. Kabalak
<b>Ordo: HOMOPTERA</b>		
<b>Family: Cercopidae</b>		
<i>Cercopis intermedia</i> Kirschbaum, 1868	Bartın Bus station env. 10.VI.2006; Ahatlar 11.VI.2006; Karasu 23.IX.2003; Yenikişla entrance 12.VI.2006; Gökrmak-Ulus road 12.VI.2006	O. Sert – M. Kabalak
<b>Ordo: NEUROPTERA</b>		
<b>Family: Chrysopidae</b>		
<i>Chrysopa</i> sp.	13 km to Uluyayla Ulus 12.VI.2006	O. Sert – M. Kabalak
<b>Ordo: COLEOPTERA</b>		
<b>Subordo: Adephaga</b>		
<b>Family: Carabidae</b>		
<i>Carabus scabrosus</i> Olivier, 1795	Central Province 12.VII.2003	O. Sert – M. Kabalak
<i>Harpalus affinis</i> (Schrank, 1781)	Between Arıt and Darıören Arıt river side 12.VII.2003	O. Sert – M. Kabalak
<i>Harpalus neglectus</i> Serville, 1821	Between Bartın and Kozaçgız Bakioğlu 12.VII.2003	O. Sert – M. Kabalak

<i>Pseudoophanus rufipes</i> (DeGeer, 1774)	Between Bartın and Kozcağız Bakiöğlü 12.VII.2003; Kaşbaşı village 12.VII.2003	O. Sert – M. Kabalak
<i>Sphodristocarabus</i> sp.	İnkumu 17.IV.2004; H.U. Hidrology Research Centre Garden	O. Sert – M. Kabalak
<b>Subordo: Polyphaga</b>		
<b>Family: Anobidae</b>		
<i>Anobius</i> sp.	Boğazköy exit 11.VII.2003	O. Sert – M. Kabalak
<b>Family: Anthicidae</b>		
<i>Leptaleus</i> sp.	Arit road 12.VI.2006	O. Sert – M. Kabalak
<i>Notaxus</i> sp.	Gökırmak-Ulus road 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Apionidae</b>		
<i>Apion dispar</i> Germar, 1817	Ulus 29.V.1980	Lodos et al. 2003. "Lit."
<i>Apion frumentarium</i> (Linnaeus, 1758)	Kaşbaşı village 12.VII.2003	O. Sert - M. Kabalak
<i>Apion gyllenhalii</i> Kirby, 1808	Ulus 29.V.1980	Lodos et al. 2003. "Lit."
<i>Apion holosericeum</i> Gyllenhal, 1833	Central Province 29.V.1980	Lodos et al. 2003. "Lit."
<i>Apion meliloti</i> Kirby, 1808	Ulus 17.VII.1979	Lodos et al. 2003. "Lit."
<i>Apion ottonis</i> (Wagner, 1914)	Amasra 01.VI.1980	Lodos et al. 2003. "Lit."
<i>Apion penetrans</i> Germar, 1817	Kurucaşile 02.VI.1980	Lodos et al. 2003. "Lit."
<i>Apion sicardi</i> Desbrochers, 1893	Kurucaşile 01.VI.1980	Lodos et al. 2003. "Lit."
<i>Apion trifolii</i> Linnaeus, 1768	Central Province 01.VI.1980	Lodos et al. 2003. "Lit."
<i>Apion viciae</i> (Paykull, 1800)	Central Province 31.V.1980	Lodos et al. 2003. "Lit."
<b>Family: Bruchidae</b>		
<i>Bruchus</i> sp.	Ahatlar 11.VI.2006	O. Sert – M. Kabalak
<i>Bruchidius</i> sp.	Yenikişla entrance 10.VI.2006; Ulus road-Küllü 12.VI.2006	O. Sert – M. Kabalak
<i>Spermaphagus</i> sp.	Ellibaşvillage 10.VI.2006;3km to Güzelehisar 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Cantharidae</b>		
<i>Cantharis livida</i> Linnaeus, 1758	Kozcağız between Hanyeri and Hasankadı 13.VII.2003	O. Sert – M. Kabalak
<i>Cantharis</i> sp. (Linnaeus, 1758)	İnkumu 26.VI.2004	O. Sert – M. Kabalak
<b>Family: Cerambycidae</b>		
<i>Stenopterus rufus</i> Linnaeus, 1767	Küllü, Ulus road, 12.VI.2006	O. Sert – M. Kabalak
<i>Stenurella bifasciata</i> (Müller, 1776)	3 km to Güzelehisar 12.VI.2006	O. Sert – M. Kabalak
<i>Stenurella septempunctata</i> (Fabricius, 1792)	Döklimağ env., 12.VII.2003; Kaman Bridge, 11. VII.2006; 3 km to Güzelehisar 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Chrysomelidae</b>		
<i>Altica</i> sp.	Potbaşı Env., 12.VII.2003	O. Sert – M. Kabalak
<i>Cassida murraea</i> Linnaeus, 1767	Gökırmak-Ulus road 12.VI.2006	O. Sert – M. Kabalak
<i>Cassida viridis</i> (Linnaeus, 1758)	İnkumu, 26.IV.2004	O. Sert – M. Kabalak
<i>Crepidodera</i> sp.	Arit road 12.VI.2006	O. Sert – M. Kabalak
<i>Chrysolina herbacea</i> (Duftschmid, 1825)	Yeni Kışla entrance 10.VI.2006; Küllü Ulus road 12.VI.2006	O. Sert – M. Kabalak
<i>Cryptocephalus bilineatus</i> (Linnaeus, 1776)	İnkumu, 26.VI.2004	O. Sert – M. Kabalak
<i>Cryptocephalus concolor</i> Suffrian, 1847	Ellibaşvillage 10.VI.2006; Yenikişla entrance 10.VI.2006; Ulus road-Küllü, 12.VI.2006; 13 km to Uluyayla Ulus 12.VI.2006	O. Sert – M. Kabalak
<i>Cryptocephalus connexus</i> Olivier, 1807	Kozcağız between Hanyeri and Hasankadı 13.VII.2003; İnkumu, 26.VI.2004, 10.VI.2006	O. Sert – M. Kabalak
<i>Cryptocephalus moraei</i> (Linnaeus, 1758)	Güzelehisar Road, 12.VI.2006	O. Sert – M. Kabalak
<i>Cryptocephalus ocellatus</i> Drapiez, 1819	Kaman Bridge 11.VI.2006	O. Sert – M. Kabalak
<i>Cryptocephalus octacosmus</i> Bedel, 1891	Gökırmak env. 12.VI.2006	O. Sert – M. Kabalak
<i>Hypocassida subferruginea</i> (Schränk, 1776)	Bartın Bus station env. 10.VI.2006	O. Sert – M. Kabalak
<i>Gastrophysa polygoni</i> (Linnaeus, 1758)	Boğazköy 23. 09.2003; İnkumu, 26.VI.2004	O. Sert – M. Kabalak
<i>Pachybrachys fimbriolatus</i> Suffrian, 1848	Bartın Bus station env. 10.VI.2006; Arit 12.VI.2006; Güzelehisar 12.VI.2006	O. Sert – M. Kabalak
<i>Pachybrachys hieroglyphicus</i> (Laicharting, 1781)	Bartın Bus station env. 12.VI.2006.	O. Sert – M. Kabalak
<i>Smaragdina</i> sp.	Bartın Bus station env. 10.VI.2006; Ellibaşvillage 10.VI.2006	O. Sert – M. Kabalak
<b>Family: Cleridae</b>		
<i>Trichodes</i> sp.	Kaşbaşı village 12.VII.2003; Ulus roadKüllü 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Coccinellidae</b>		
<i>Adalia bipunctata</i> (Linnaeus, 1758)	Potbaşı env. 12.VII.2003	O. Sert – M. Kabalak
<i>Coccinella septempunctata</i> Linnaeus, 1758	Bartın Bus station env. 10.VI.2006; Ulus Gökırmak env. 12.VI.2006	O. Sert – M. Kabalak
<i>Eochochomus nigromaculatus</i> (Goeze, 1777)	Yenikişla, Boğazköy 11.VII.2003; İnkumu 24.IX.2003; Yenikişla entrance 10.VI.2006	O. Sert – M. Kabalak
<i>Theo vigintiduopunctata</i> Olivier 1807	İnkumu12.VI.2006; Ulus road Küllü 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Curculionidae</b>		
<i>Anthonomus bauduieri</i> Desbrochers, 1868	Central Province 31.V.1980	Lodos et al. 2003. "Lit."
<i>Anthonomus rubi</i> (Herbst, 1795)	Central Province 31.V.1980; Aydoğmuş villageroad, 11.VI.2006	Lodos et al. 2003. "Lit."; O. Sert – M. Kabalak
<i>Arthrostenus fullo</i> Boheman, 1836	Central Province 31.V.1980	Lodos et al. 2003. "Lit."
<i>Bangasterius orientalis</i> (Capiomont, 1873)	Bartın Bus station env. 22.V.2005	O. Sert – M. Kabalak
<i>Ceuthorhynchus assimilis</i> (Paykull 1800)	İnkumu 21.V.2005; H.U. Hidrology Research Centre Garden	O. Sert – M. Kabalak
<i>Ceuthorhynchus picitarsis</i> Gyllenhal, 1837	Amasra 01.VI.1980	Lodos et al. 2003. "Lit."
<i>Cionellus gibbifrons</i> (Kiesenwetter, 1851)	İnkumu 22.V.2005.	O. Sert – M. Kabalak

<i>Cionus tuberculosus</i> (Scopoli, 1763)	Kurucaşile 02.VI.1980; Bus station env. 21.VI.2006	Lodos et al. 2003. "Lit."; O. Sert – M. Kabalak
<i>Chlorophanus viridis</i> (Linnaeus, 1758)	Bus station env. 10.VI.2006	O. Sert – M. Kabalak
<i>Cleonus piger</i> Scopoli, 1763	13 km to Uluyayla Ulus 12.VI.2006	O. Sert – M. Kabalak
<i>Coeliodes ruber</i> (Marsham, 1802)	Kurucaşile 02.VI.1980	Lodos et al. 2003. "Lit."
<i>Curculio glandium</i> Marsham, 1802	Amasra 01.VI.1980	Lodos et al. 2003. "Lit."
<i>Curculio nucum</i> Linnaeus, 1758	Kurucaşile02.VI.1980	Lodos et al. 2003. "Lit."
<i>Curculio venosus</i> (Gravenhorst, 1807)	Central Province 31.V.1980	Lodos et al. 2003. "Lit."
<i>Dorytomus longimanus</i> (Forster, 1771)	İnkumu 21.V.2005; H.U. Hidrology Research Centre Garden	O. Sert – M. Kabalak
<i>Gymnetron pascuorum</i> (Gyllenhal, 1813)	İnkumu 24.VI.2004	O. Sert – M. Kabalak
<i>Hypera variabilis</i> Herbst, 1795	Kurucaşile 02.VI.1980	Lodos et al. 2003. "Lit."
<i>Larinus minutus</i> Gyllenhal, 1835	Bartın Bus station env. 22.V.2005	O. Sert – M. Kabalak
<i>Larinus turbinatus</i> (Gyllenhal, 1836)	Döklimağ env. 12.VII.2003; İnkumu, 21.V.2005	O. Sert – M. Kabalak
<i>Lixus cardui</i> Olivier 1807	Ulus30.V.1980, Ulus road-Küllü 12.VI.2006	Lodos et al. 2003. "Lit."; O. Sert – M. Kabalak
<i>Lixus myagri</i> Olivier , 1807	Kurucaşile 02.VI.1980	Lodos et al. 2003. "Lit."
<i>Magdalis ruficornis</i> (Linnaeus, 1758)	Central Province 31.V.1980	Lodos et al. 2003. "Lit."
<i>Miarus monticola</i> Petri, 1912	Kurucaşile 02.VI.1980	Lodos et al. 2003. "Lit."
<i>Nanophyes</i> sp.	İnkumu 21.V.2005; H.U. Hidrology Research Centre Garden	O. Sert – M. Kabalak
<i>Rhynchonchus pericarpus</i> (Linnaeus, 1758)	Bartın, 22.V.2005	O. Sert – M. Kabalak
<i>Rhynchaenus alni</i> (Linnaeus, 1758)	Ulus 29.V.1980	Lodos et al. 2003. "Lit."
<i>Rhynchaenus fagi</i> (Linnaeus, 1758)	Ulus 17.VII.1979	Lodos et al. 2003. "Lit."
<i>Otiiorhynchus annulipes</i> Apfelbeck 1932	Central Province 31.V.1980	Lodos et al. 2003. "Lit."
<i>Otiiorhynchus aurifer</i> (Bohomen, 1843)	Kurucaşile02.VI.1980	Lodos et al. 2003. "Lit."
<i>Otiiorhynchus crataegi</i> Germar, 1824	Ulus 29.V.1980	Lodos et al. 2003. "Lit."
<i>Otiiorhynchus rugosostriatus</i> (Goeze, 1777)	Kurucaşile 02.VI.1980	Lodos et al. 2003. "Lit."
<i>Otiiorhynchus sulcatus</i> (Fabricius, 1775)	Kurucaşile 02.VI.1980	Lodos et al. 2003. "Lit."
<i>Otiiorhynchus turca</i> Boheman, 1843	Central Province 17.VII.1979	Lodos et al. 2003. "Lit."
<i>Phyllobius canus</i> Gyllenhal, 1834	Ulus29.V.1980	Lodos et al. 2003. "Lit."
<i>Phyllobius longipilis</i> Boheman, 1843	Ulus 29.V.1980	Lodos et al. 2003. "Lit."
<i>Polydrusus bodemeyeri</i> Reitter 1908	Central Province 31.V.1980	Lodos et al. 2003. "Lit."
<i>Polydrusus mollis</i> (Stroem 1768)	Ulus29.V.1980	Lodos et al. 2003. "Lit."
<i>Polydrusus rufulus</i> Hochhut, 1847	Ulus 29.V.1980	Lodos et al. 2003. "Lit."
<i>Polydrusus sparsus</i> Gyllenhal, 1834	Ulus 29.V.1980	Lodos et al. 2003. "Lit."
<i>Sitona cylindricollis</i> (Fahraeus, 1840)	Central Province 31.V.1980	Lodos et al. 2003. "Lit."
<i>Sitona humeralis</i> Stephens, 1831	Kurucaşile 02.VI.1980	Lodos et al. 2003. "Lit."
<i>Sitona lineata</i> (Linnaeus, 1758)	Central Province 17.VII.1979	Lodos et al. 2003. "Lit."
<i>Sitona lineellus</i> (Bonsdorff, 1785)	Central Province 17.VII.1979	Lodos et al. 2003. "Lit."
<i>Sitona longulus</i> Gyllenhal, 1834	Central Province 31.V.1980;İnkumu 26.VI.2004	Lodos et al. 2003. "Lit." O. Sert – M. Kabalak
<i>Sitona puncticollis</i> Stephens, 1831	Central Province 17.VII.1979	Lodos et al. 2003. "Lit."
<i>Sitona tibialis</i> Herbst, 1795	Central Province 31.V.1980	Lodos et al. 2003. "Lit."
<i>Tychius brevisculus</i> Desbrochers 1873	Yenikişla entrance 10.VI.2006	O. Sert – M. Kabalak
<i>Tychius hirtellus</i> Tournier 1873	Güzelcehisar 22.V. 2005; İnkumu H.U. Hidrology Research Centre, Garden 21.V.2005; 22.V.2005.	O. Sert – M. Kabalak
<i>Tychius</i> sp.	İnkumu H.U. Hidrology Research Centre, Garden, 22.V.2005.	O. Sert – M. Kabalak
<b>Family: Dasytidae</b>		
<i>Danacea</i> sp.	İnkumu 13. VII.2003, 26.VI.2004; Güzelcehisar 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Dryopidae</b>		
<i>Dryops</i> sp.	Potbaşı Env. 12.VII.2003	O. Sert – M. Kabalak
<b>Family: Elateridae</b>		
<i>Adrastus anatolicus</i> Reitter, 1901	Kaşbaşı village 12.VII.2003; Boğazköy exit 11. VII.2006; Döklimağ env. 12.VII.2006	O. Sert – M. Kabalak
<i>Agriotes sputator</i> (Linnaeus, 1758)	İnkumu 21.V.2005	O. Sert – M. Kabalak
<i>Dicronychus obscuripennis</i> (Pic, 1899)	İnkumu 26.VI.2004, 21.V.2005	O. Sert – M. Kabalak
<i>Drasterius bimaculatus</i> (Rossi,1790)	İnkumu 21.V.2005	O. Sert – M. Kabalak
<i>Quasimus minutissimus</i> (Germar, 1817)	Güzelcehisar crossroad env. 22.V.2005	O. Sert – M. Kabalak
<b>Family: Lagriidae</b>		
<i>Lagria</i> sp.	Yenikişla Boğazköy, 11. VII.2003	O. Sert – M. Kabalak
<b>Family: Malachiidae</b>		
<i>Malachius aeneus</i> (Linnaeus, 1758)	İnkumu 12.VI.2006	O. Sert – M. Kabalak
<i>Malachius bipustulatus</i> (Linnaeus, 1758)	Bodura env. Ulus 10.VI.2006; 13 km to Uluyayla Ulus 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Nitidulidae</b>		
<i>Meligethes</i> sp.	Between Bartın and Kozcağız Bakiöglü Güney stream 13.VII.2003; Art road12.VI.2006	O. Sert – M. Kabalak
<b>Family: Oedemeridae</b>		
<i>Anogcodes</i> sp.	Ellibaşvillage 10.VI.2006	O. Sert – M. Kabalak
<i>Oedemera femorata</i> (Scopoli, 1763)	İnkumu 13.VII.2003, 26.VI.2004; Güzelcehisar 12.VI.2006	O. Sert – M. Kabalak
<i>Oedemera lurida</i> (Marsham 1802)	Art river side 12.VII.2003; Ulukaya village Ulus 12. VII.2003;İnkumu, 26.VI.2004	O. Sert – M. Kabalak
<b>Family: Rhyncitidae</b>		
<i>Deporaus betulae</i> (Linnaeus, 1758)	Art river side 12.VII.2003	O. Sert – M. Kabalak
<b>Family: Scarabaeidae</b>		
<i>Anomala viitis</i> (Fabricius, 1775)	Yenikişla entrance 10.VI.2006	O. Sert – M. Kabalak
<i>Aphodius fimetarius</i> (Linnaeus, 1758)	Art river side 12.VII.2003; Ulukaya village Ulus 12.VII.2003	O. Sert – M. Kabalak

<i>Cetonia</i> sp.	İnkumu, 26.IV.2004	O. Sert – M. Kabalak
<i>Caccobius schreberi</i> (Linnaeus 1758)	Arit river side 12.VII.2003	O. Sert – M. Kabalak
<i>Euoniticellus fulvus</i> (Goeze 1777)	Between Arit-Dariören Arit river side 12.VII.2003	O. Sert – M. Kabalak
<i>Geotrupes</i> sp.	İnkumu 11.VII.2003	O. Sert – M. Kabalak
<i>Onthophagus coenobita</i> (Herbst, 1783)	Arit river side 12.VII.2003	O. Sert – M. Kabalak
<i>Onthophagus gibbosus</i> (Scriba, 1790)	Arit river side 12.VII.2003; Ulukaya village Ulus, 12.VII.2003	O. Sert – M. Kabalak
<i>Onthophagus furcatus</i> (Fabricius 1781)	Arit river side 12.VII.2003	O. Sert – M. Kabalak
<i>Onthophagus taurus</i> (Schreber, 1759)	Between Arit-Dariören Arit river side 12.VII.2003; Ulukaya village Ulus 12.VII.2003	O. Sert – M. Kabalak
<i>Polyphylla fullo</i> (Linnaeus, 1758)	Central County 12. VII.2003	O. Sert – M. Kabalak
<i>Protaetia angustata angustata</i> (Germar, 1817)	Boğazköy çıkışı 11. VII.2003	O. Sert – M. Kabalak
<i>Phyllopertha lineolata</i> (Fischer von Waldheim, 1824)	Yenikışla entrance Boğazköy 10.VI.2006.	O. Sert – M. Kabalak
<i>Tropinota hirta</i> (Poda, 1761)	Bodura env. 11.VII.2003	O. Sert – M. Kabalak
<b>Ordo: DIPTERA</b>		
<b>Family: Asilidae</b>		
<i>Dysmachus</i> sp.	Potbaşı env. 12.VII.2003	O. Sert – M. Kabalak
<b>Family: Sarcophagidae</b>		
<i>Sarcophaga</i> sp.	Güzelcehisar crossroad env. 12.VI.2006	O. Sert – M. Kabalak
<b>Ordo: HYMENOPTERA</b>		
<b>Family: Apidae</b>		
<i>Bombus</i> (Megabombus) <i>lucorum</i> (Linnaeus, 1761)	Ulukaya village Ulus 12. VII.2003	O. Sert – M. Kabalak
<i>Bombus</i> (s.str.) <i>terrestris</i> (Linnaeus, 1758)	Arit river side 12.VII.2003; Kaman Bridge 10.VI.2006	O. Sert – M. Kabalak
<b>Family: Halictidae</b>		
<i>Evyllaes marginatus</i> (Brulle, 1832)	Bartın 14.05.05	O. Sert - M. Kabalak
<i>Evyllaes laticeps</i> (Packer, 1893)	Yenikışla 11.VII.03; Bartın – Kozcağız arası Bakioğlu Güneyderesi 13.VII.03	O. Sert – M. Kabalak
<i>Evyllaes</i> sp.	Ulus 17.IV.2004	O. Sert - M. Kabalak
<i>Halictus maculatus</i> Smith, 1848	Bartın 14.05.05	O. Sert - M. Kabalak
<i>Halictus rubicundus</i> (Christ, 1791)	Yenikışla Bartın river 11.VII.03	O. Sert – M. Kabalak
<i>Halictus sexcinctus</i> (Fabricius, 1775)	Yenikışla Bartın river 11.VII.03	O. Sert – M. Kabalak
<i>Halictus</i> sp.	Between Bartın and Kozcağız Bakioğlu, 12.VII.2003	O. Sert – M. Kabalak
<i>Lasiglossum leucozonium</i> (Schrank, 1781)	Güzelcehisar road 3. km 12.VI.06	O. Sert – M. Kabalak
<i>Lasiglossum</i> sp.	Yenikışla 11. VII.2003; Ulukaya village Ulus 12. VII.2003	O. Sert - M. Kabalak
<b>Family: Sphecidae</b>		
<i>Annophila sabulosa</i> Linnaeus, 1758	Yenikışla entrance 11.VII.2003	O. Sert – M. Kabalak
<b>Family: Vespidae</b>		
<i>Vespula vulgaris</i> (Linnaeus, 1758)	Ulus Ulukaya village 12.VII.2003	O. Sert – M. Kabalak
<b>Ordo: LEPIDOPTERA</b>		
<b>Family: Aretidae</b>		
<i>Arctia villica</i> (Linnaeus, 1758)	Before Kurucaşile road Kalaycı village 11.VI.2006; Güzelcehisar road 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Hesperidae</b>		
<i>Ochlodes venatus</i> (Bremer & Gray, 1853)	Bartın Bus station env. 10.VI.2006	O. Sert – M. Kabalak
<i>Thymelicus acteon</i> (Rottemburg, 1775)	Before Kurucaşile road Kalaycı village 11.VI.2006; Güzelcehisar road 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Nymphalidae</b>		
<i>Anthocaris cardaminensis</i> (Linnaeus, 1758)	Aritçatı Cıvarı 18.IV.2004	O. Sert – M. Kabalak
<i>Argynnis pandora</i> ([Dennis & Schiffermüller], 1775)	Karasu 23.IX.2003	O. Sert – M. Kabalak
<i>Vanessa atalanta</i> (Linnaeus, 1758)	Ulus road Küllü env. 12.VI.2006	O. Sert – M. Kabalak
<i>Vanessa cardui</i> (Linnaeus, 1758)	İnkumu, 24. 09.2003	O. Sert – M. Kabalak
<i>Limnitis reducta</i> (Staudinger, 1901)	Ulus road Küllü 12.VI.2006	O. Sert – M. Kabalak
<i>Melitaea cinxia</i> (Linnaeus, 1758)	3 km to Güzelcehisar 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Lycaenidae</b>		
<i>Aricia agestis</i> Schiffermüller, 1775	Kaşbaşı village 12.VII.2003; Ulukaya village Bartın Ulusarası 12.VI.2006	O. Sert – M. Kabalak
<i>Lycaena phlaeas</i> (Linnaeus, 1761)	Before Kurucaşile road Kalaycı village 11.VI.2006	O. Sert – M. Kabalak
<i>Lycaena alciphron</i> (Rottemburg, 1775)	Ulus road-Küllü 12.VI.2006	O. Sert – M. Kabalak
<i>Polymmatous thersites</i> Cantener, 1938	Boğazköy 23.IX.2003, 24.IX.2003	O. Sert – M. Kabalak
<i>Satyrrium</i> sp.	Ulus road Küllü 12.VI.2006	O. Sert – M. Kabalak
<b>Family: Papilionidae</b>		
<i>Iphiclides podalirius</i> (Linnaeus, 1758)	Ulus 17. 04.2004	O. Sert – M. Kabalak

**Family: Pieridae***Colias crocea* (Fourcroy, 1885)*Gonepteryx rhanmi* (Linnaeus, 1758)*Leptida sinapsis* (Linnaeus, 1758)*Pieris brassicae* (Linnaeus, 1758)*Pieris napi* (Linnaeus, 1758)*Pieris rapae* (Linnaeus, 1758)**Family: Satyridae***Coenonympha pamphilus* (Linnaeus, 1758)*Maniola jurthina* (Linnaeus, 1758)*Melanargia galathea* (Linnaeus, 1758)**Family: Sphingidae***Herse convolvuli* (Linnaeus, 1758)*Macroglossum stellatarum* Linnaeus, 1758*Pararge aegeria* (Linnaeus, 1758)

Ulus roadKüllü 12.VI.2006

Karasu 23.IX.2003

Potbaşı 26.VI.2004

Güzelcehisar 12.VI.2006

İnkumu 24. 09.2003

Kaşbaşı village 12.VII.2003; Potbaşı  
26.VI.2004; Karasu 23.IX.2003; Ulus road-  
Küllü 12.VI.2006; Güzelcehisar 12.VI.2006

Bartın Bus station env. 10.VI.2006

İnkumu 24. 09.2003

3 km to Güzelcehisar 12.VI.2006

İnkumu 24. 09.2003

Ulukaya village between Bartın and Ulus12.  
VI.2006  
Karasu 23.IX.2003

O. Sert – M. Kabalak

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**REFERENCES**

1. <http://www.bartın.gov.tr/modules.php?name=Content&pa=showpage&pid=8>
2. İ. Aslan, B. Gruev, H. Özbek, Preliminary Review of the Subfamily Alticinae (Coleoptera, Chrysomelidae) in Turkey, Turkish J. Zool., 23 (1999) 373.
3. İ. Aslan, H. Özbek, Faunistic and Systematic Studies on the Subfamily Chrysomelinae (Coleoptera, Chrysomelidae) in Artvin, Erzincan and Erzurum Provinces of Turkey, Turkish J. Zool., 23 (1999) 751.
4. A. Gök, Faunistic studies on the species Pachybrachis Chevrolat and Cryptocephalus Geoffroy (Coleoptera, Chrysomelidae, Cryptocephalinae) of Dedegöl Mountains (Isparta). Turkish Journal of Zoology, 26 (1) (2002) 31.
5. N. Lodos, 1989 Türkiye Entomolojisi IV. Genel Uygulamalı ve Faunistik. E.Ü Ziraat Fakültesi Yayınları No: 493, Ofset Basımevi, Bornova, İzmir, 1989.
6. T. R. E. Southwood, D. Leston, Land and Water Bugs of The British Isles. Frederick Warne and Co. Ltd. London and Newyork, 1959.
7. P. Whalley, R. Lewington, 1999. The Mitchell Beazley Pocket Guide to butterflies of Britain and Europa, 168 pp.
8. O. Sert, 1995. Taxonomic studies on the family Curculionidae (Coleoptera) of Central Anatolian Region. PhD. Thesis, Hacettepe University. Ankara, 184 pp.
9. M. Kabalak, 2010. Systematic researches on the family Elateridae (Coleoptera) of Central Anatolian Region. PhD. Thesis, Hacettepe University. Ankara, 280 pp.
10. N. Lodos, F. Önder, E. Pehlivan, R. Atalay, E. Erkin, Y. Karsavuran, S. Tezcan, S. Aksoy, 2003. Faunistic Studies on Curculionidae (Coleoptera) of Western Black Sea, Central Anatolia and Mediterranean Regions of Turkey. Meta Basım, Bornova, Izmir.