

**SOME ADDITIONAL NOTES ABOUT ELATERIDAE
(COLEOPTERA) FAUNA IN ADIYAMAN, DİYARBAKIR
AND ŞANLIURFA PROVINCES OF TURKEY**

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ABSTRACT: In this study, additional notes are given on four species belonging to Elateridae fauna (Coleoptera) collected by sweeping net in Adıyaman, Diyarbakır and Şanlıurfa provinces of Southeastern Turkey.

KEY WORDS: Elateridae, new record, fauna, Adıyaman, Diyarbakır, Şanlıurfa, Turkey.

Elateridae is one of the largest families of Coleoptera with more than 10 000 described species in approximately 750 genera worldwide (Laibner, 2000). According to Gülperçin & Tezcan (2010), 433 species and subspecies belonging to 66 genera existing in total 10 subfamilies of Elateridae have been reported for Turkey.

Although the Elateridae family is an important group among the Coleoptera, studies carried out in especially South-east Anatolia of Turkey concerning Elateridae fauna are not sufficient. It was planned that this insufficiency on faunistic studies will be exterminated by various faunistic studies.

The present paper is based primarily on material collected by sweeping net during three field trips to Adıyaman, Diyarbakır and Şanlıurfa carried out by Celalettin Gözüaçık in May and June 2007. Classification and nomenclature of the Elateridae suggested by Laibner (2000) and Löbl & Smetana (2007) has been followed in this study.

For each species, information on the name of locality, date of collection, plant or place on which the material collected, and the number of species have been given in brackets. Material evaluated in this study is listed below in alphabetical order in the following list.

Aeoloderma crucifer (Rossi, 1790)

Material examined: Diyarbakır (Ergani-Hançerli), 05.V.2007, *Sinapis arvensis*, (4). Totally 4 specimens.

Distribution in Turkey: Antalya (Elmalı-Aylan Lake), Burdur (Çeltikçibeli), Mersin (Susanoğlu) (Guglielmi & Platia, 1985); İzmir (Ödemiş-Gereli, Seferihisar-Sığacık) (Gülperçin & Tezcan, 2009).

Drasterius bimaculatus (Rossi, 1790)

Material examined: Diyarbakır (Ergani-Salihli), 05.V.2007, weeds, (1); (Ergani-Pınarkaya), 05.V.2007, *Triticum aestivum*, (1). Totally 2 specimens.

Distribution in Turkey: Western Anatolia, Karaman (Sahlberg, 1912-1913); Adapazarı, İstanbul, İzmir (Bornova) (Zümreoğlu, 1972); Adana (Pozanti),

Amasya, Artvin (Borçka), Bolu, (Akçakoca-Konuralp, Gerede), Bursa (İnegöl), Erzurum (Kop Mountain Pass), Eskişehir (Sivrihisar), Gaziantep (İslahiye), Isparta (Central province), İzmir (Selçuk-Efes), Kastamonu (Central province), Mersin (Namrun-Çamlıyayla), Muğla (Yatağan), Samsun (Bafra), Siirt (Baykan), Trabzon (Sümela-Maçka) (Guglielmi & Platia, 1985); İzmir (Gülperçin & Tezcan, 2006); Adana [Kozan (Bağtepe)], Ankara (Central province, Ayaş, Kocatepe), Erzurum (Horasan, Köprüköy, Oltu), Eskişehir, Hatay, Iğdır [Central province, Suveren, Tuzluca (Çincevat), Kırıkkale, Konya [Güneysınır (Gürağaç)], Muğla, Yozgat (Kesdek et al., 2006); İzmir [Bornova, Kemalpaşa (Central province, Armutlu), Kınık, Kiraz, Menderes (Gümüldür), Ödemiş, Seferihisar (Central province, Sığacık), Urla] (Gülperçin & Tezcan, 2009); İzmir (Kemalpaşa) (Tezcan & Gülperçin, 2009; Üzüüm et al., 2009).

***Cardiophorus nigratissimus* Buysson, 1891**

Material examined: Adıyaman [Central province-Akpınar (Küçükboyalı)], 16.VI.2007, *Glycyrrhiza glabra*, (1); Şanlıurfa (Hilvan), 01.VI.2007, weeds, (2); 08.VI.2007, weeds, (1); 14.VI.2007, weeds, (2); (Hilvan-Bahçecik), 21.V.2007, weeds, (3); 30.V.2007, *Triticum aestivum*, (1); 14.VI.2007, weeds, (4); (Hilvan-Faik), 17.V.2007, weeds, (1); 30.V.2007, weeds, (1). Totally 16 specimens.

Distribution in Turkey: Western Anatolia, Denizli (Babadag), İzmir (Menderes, Menemen) (Sahlberg, 1912-1913); Amasya, Ankara (Elmadağ, Kalecik), Bayburt, Çorum (Boğazkale), Eskişehir (Sivrihisar), Gümüüşhane, Hatay (Antakya-Güvenc), İzmir (Selçuk-Efes), Manisa (Akhisar), Mersin (Gülek-Çamalan, Mut, Tarsus) (Guglielmi & Platia, 1985); Adana (Seyhan), Erzincan (Gölbaşı), Erzurum (Gavurdağı), Hakkari (Şemdinli), Hatay (İskenderun-Kırkhan), İçel (Çamlıyayla-Namrun), Kahramanmaraş (Narlı), Kayseri (Suşehri), Nevşehir, Mersin (Çamalan, Gülek, Tarsus), Osmaniye, Siirt, Şanlıurfa (Sama) (Platia & Gudenzi, 2002); Adana (Nallıhan, Seyhan), Erzincan (Gölbaşı, Tercan), Erzurum (Gavurdağı), Hakkari (Şemdinli), Hatay (Kırkhan), Kahramanmaraş (Narlı), Kayseri (Kültepe), Mersin (Tarsus), Nevşehir, Osmaniye, Sivas (Suşehri), Şanlıurfa (Kabalak & Sert, 2005); Ankara (Hacıkadın, Nallıhan, Polatlı), Diyarbakır (Silvan), Erzincan (Tercan), Eskişehir, Konya [Güneysınır (Gürağaç)] (Kesdek et al., 2006).

***Cardiophorus vestigialis* Erichson, 1840**

Material examined: Diyarbakır (Ergani-Salihli), 05.V.2007, weeds, (1). Totally 1 specimen.

Distribution in Turkey: Western Anatolia, Karaman (Sahlberg, 1912-1913); Ankara (Kazan), Kars (Değirmenlidere), Mersin (Silifke) (Guglielmi & Platia, 1985); Ankara (Beypazarı) as *Cardiophorus maritimus* Dolin, 1971 (Kabalak & Sert, 2005); İzmir (Gülperçin & Tezcan, 2006); Ankara, Artvin (Hatila Valley), Erzurum [Aşkale (Kop Pass), Pınarkapan, Pasinler (Çalyazı), Şenkaya (Turnalı), Yumaklı], İçel (Tarsus) (Kesdek et al., 2006); İzmir (Narlıdere, Ödemiş, Seferihisar) (Gülperçin & Tezcan, 2009).

Cardiophorus nigratissimus was recorded for Diyarbakır by Kesdek et al. (2006), for Şanlıurfa by Platia & Gudenzi (2002) and Kabalak & Sert (2005). Also this species was more abundant than other three species and widespread species in this area.

Aeoloderma crucifer (Rossi, 1790), ***Drasterius bimaculatus*** (Rossi, 1790) and ***Cardiophorus vestigialis*** Erichson, 1840 are the first record for Diyarbakır fauna. ***Cardiophorus nigratissimus*** Buysson, 1891 is the first record for Adıyaman fauna.

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