

THIRTY NEW LEAF BEETLES FOR THE FAUNA OF ÇANKIRI PROVINCE IN TURKEY (CHRYSOMELIDAE)

Neslihan Bal*, Hüseyin Özdikmen* and Suat Kiyak*

* Gazi University, Science Faculty, Department of Biology, 06500 Ankara, TURKEY. E-mails: neslihansilkin@gmail.com; ozdikmen@gazi.edu.tr; skiyak@gazi.edu.tr

[Bal, N., Özdikmen, H. & Kiyak, S. 2018. Thirty new leaf beetles for the fauna of Çankırı province in Turkey (Chrysomelidae). *Munis Entomology & Zoology*, 13 (2): 507-518]

ABSTRACT: We had the opportunity to study some material of the subfamilies Donaciinae, Criocerinae, Clytrinae, Chrysomelinae and Galerucinae (Chrysomelidae) collected during the expedition of Çankırı province in 2013-2015. As a result of this, thirty species to the fauna of Çankırı province in Turkey were determined. All species are the first record for Çankırı province. 3 species of them as *Crioceris duodecimpunctata* (Linnaeus), *Coptocephala gebleri* Gebler and *Chrysolina didymata* (L. G. Scriba) are the first record for Western Black Sea region of Turkey. Also 2 species of them as *Clytra valeriana* Ménériés and *Clytra bodemeyeri* Weise are the new records for Black Sea region of Turkey (incl. Western Black Sea region). In addition 2 species of them as *Galeruca armeniaca* Weise and *Galerucella calmariensis* (Linnaeus) are the first record for Central Anatolian region of Turkey.

KEY WORDS: Coleoptera, Chrysomelidae, fauna, new records, Çankırı, Turkey

The fauna of Donaciinae, Criocerinae, Clytrinae, Chrysomelinae, and Galerucinae (Galerucini, Hylaspini and Luperini) of Turkey includes a total of 17 species of 3 genera, 13 species of 4 genera, 76 species group taxa (58 species and 18 subspecies) of 8 genera, 102 species group taxa (50 species and 52 subspecies) of 15 genera and 68 species group taxa (56 species and 12 subspecies) of 15 genera respectively (Ekiz et al., 2013; Özdikmen, 2014; Özdikmen et al., 2014; Özdikmen & Özbek, 2014; Özdikmen & Mercan, 2014; Özdikmen & Topcu, 2014).

This work is based on the specimens collected from Çankırı province. The province is located in Central Kızılırmak part in Central Anatolian region of Turkey (Özdikmen & Kaya, 2014). Çankırı is a province in the North of Central Anatolian region of Turkey. Northern counties of the province are in Western Black Sea region. It is bordered by Karabük and Kastamonu provinces in the North, Çorum province in the East, Kırıkkale province in the South-east, Ankara province in the South and Bolu province in the West. It is situated about 800 m above sea level. It has a total of 12 counties (incl. Center county) (Map 1). The counties of Çankırı province are Center, Atkaracalar, Bayramören, Çerkeş, Eldivan, Ilgaz, Kızılırmak, Korgun, Kurşunlu, Orta, Şabanözü and Yapraklı. Eldivan, Kızılırmak, Şabanözü, Yapraklı and Center counties are placed in Central Anatolian region of Turkey. The remaining 7 counties of Çankırı province are located in Western Black Sea region of Turkey.

The aim of the current work is to provide data on some new leaf beetles for the fauna of Çankırı province in Turkey. New faunistical data on thirty species are presented.

MATERIALS AND METHODS

The available specimens for the present study were collected by the first author from Çankırı province in Turkey in 2013-2015. As a result of identification, 1 species of Donaciinae, 2 species of Criocerinae, 6 species of Clytrinae, 13 species

of Chrysomelinae and 8 species of Galerucinae were determined as the new records for Çankırı province. The available specimens for the present study are deposited at Gazi University (Turkey, Ankara).

The Turkish distribution patterns for each species are given only concerning provinces. Ekiz et al. (2013), Özdikmen (2014), Özdikmen & Özbek (2014), Özdikmen & Mercan (2014) and Özdikmen & Topcu (2014) for distribution data of taxa in Turkey are used in the text.

RESULTS AND DISCUSSIONS

Thirty new leaf beetles for the fauna of Çankırı province are presented as follows:

FAMILY CHRYSOMELIDAE Latreille, 1802

SUBFAMILY DONACIINAE Kirby, 1837

GENUS *DONACIA* Fabricius, 1775

SUBGENUS *DONACIOMIMA* Medvedev, 1973

SPECIES *Donacia bicolora* Zschach, 1788

The species has Sibero-European chorotype. It has been recorded by various authors in 7 provinces from 3 of 7 Turkish regions. It is known from Ankara, Bolu, Denizli, Düzce, Kayseri, Samsun and Sivas provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Kurşunlu, exit of Köprülü village, 40°46' N 33°17' E, 11.V.2015, 1052 m, 45 specimens.

SUBFAMILY CRIOCERINAE Latreille, 1804

GENUS *CRIOCERIS* Geoffroy, 1762

SPECIES *Crioceris duodecimpunctata* (Linnaeus, 1758)

The species has Sibero-European chorotype. It has been recorded by various authors in 10 provinces from 5 of 7 Turkish regions. It is known from Aksaray, Amasya, Ankara, Erzurum, İzmir, Kars, Kayseri, Konya, Niğde and Samsun provinces in Asian Turkey (Anatolia) and İstanbul province (Dikmen & Özuluğ, 2018) in European Turkey (Thrace). So the record in this work is the new record for Çankırı province and hereby Western Black Sea region of Turkey.

Material examined: **Çankırı:** Korgun, Öz, 40°42' N 33°31' E, 30.VI.2015, 758 m, 1 specimen.

GENUS *OULEMA* Des Gozis, 1886

SPECIES *Oulema melanopus* (Linnaeus, 1758)

The species has Holarctic chorotype. It has been recorded by various authors in many provinces from all Turkish regions. It is known from Adana, Afyonkarahisar, Aksaray, Ankara, Antalya, Ardahan, Aydın, Çanakkale, Çorum, Diyarbakır, Eskişehir, Erzurum, Erzincan, Gaziantep, Hatay, Iğdır, İzmir, Kahramanmaraş, Karabük, Karaman, Kars, Kastamonu, Konya, Kütahya, Manisa, Muğla, Osmaniye, Samsun and Siirt provinces in Asian Turkey (Anatolia) and Edirne, Kırklareli and Tekirdağ provinces in European Turkey (Thrace). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Kalecik-Çankırı province border, D-765 road, 40°21' N 33°31' E, 21.IV.2013, 701 m, 4 specimens; Korgun, Aşağıçavuş village, 40°41' N 33°36' E, 21.IV.2013, 837 m, 2 specimens; Korgun, Yukarıçavuş village, 40°42' N 33°38' E, 21.IV.2013, 940 m, 2 specimens; Korgun, Kayıçivi-Ildızım villages return, 40°42' N 33°28' E, 22.IV.2013, 982 m, 1 specimen; Korgun, entry of Ildızım village, 40°42' N 33°28' E,

23.IV.2013, 1031 m, 1 specimen; Eldivan, Akçalı Çukuroz return, 40°36' N 33°28' E, 23.IV.2013, 1068 m, 3 specimens; Eldivan, entry of Hisarcıkayayı village, 40°24' N 33°28' E, 24.IV.2013, 1084 m, 5 specimens; Orta, between Çerci-Akören villages, 40°30' N 33°12' E, 24.IV.2013, 1181 m, 1 specimen; Kızılırmak, exit of Tepealagöz village, 40°21' N 34°00' E, 24.IV.2014, 557 m, 1 specimen; Kızılırmak, Karamürsel village return, 40°26' N 34°01' E, 24.IV.2014, 550 m, 1 specimen; Kızılırmak, exit of Karamürsel village, 40°24' N 34°02' E, 24.IV.2014, 550 m, 2 specimens; Kızılırmak, between Korçullu-Kemalli villages, 40°18' N 34°02' E, 24.IV.2014, 646 m, 3 specimens; Kızılırmak, entry of Kemalli village, 40°18' N 34°02' E, 24.IV.2014, 686 m, 1 specimen; Kızılırmak, between Kemalli-Halaçlı villages, 40°18' N 33°58' E, 24.IV.2014, 608 m, 1 specimen; Kızılırmak, Saraycık village return, 40°20' N 33°58' E, 25.IV.2014, 565 m, 9 specimens; Kızılırmak, Karallı village return, 40°18' N 33°56' E, 25.IV.2014, 606 m, 7 specimens; Kızılırmak, between Bostancı-Hacılar villages, 40°19' N 33°51' E, 25.IV.2014, 565 m, 49 specimens; Kızılırmak, between Yukarıalagöz-Alaca villages, 40°22' N 33°54' E, 25.IV.2014, 619 m, 2 specimens; Center, between Karadayı-Küllburun villages, 40°22' N 33°47' E, 25.IV.2014, 638 m, 5 specimens; Kızılırmak, entry of Aşağıovacık village, 40°26' N 33°53' E, 25.IV.2014, 576 m, 20 specimens; Center, Balbağı plateau, 40°29' N 33°52' E, 25.IV.2014, 774 m, 3 specimens; Center, between exit of Eldivan-Çankırı, 40°34' N 33°30' E, 26.IV.2014, 857 m, 2 specimens; Center, Tuzlu village, 40°37' N 33°40' E, 26.IV.2014, 766 m, 1 specimen; Center, Dede village return, 40°34' N 33°44' E, 26.IV.2014, 1010 m, 1 specimen; Center, Tuz Cave district, 40°31' N 33°45' E, 26.IV.2014, 699 m, 4 specimens; Center, between Pehlivanlı-Alaçatı villages, 40°34' N 33°52' E, 925 m, 26.IV.2014, 6 specimens; Center, between Ovacık-Kuzu villages, 40°32' N 33°52' E, 26.IV.2014, 920 m, 4 specimens; Center, between Kuzuköy-Ağzibüyük villages, 40°30' N 33°59' E, 617 m, 26.IV.2014, 3 specimens; Çerkeş, Türbaşı village return, 40°47' N 34°51' E, 27.IV.2014, 626 m, 1 specimen; Çerkeş, between Türbaşı-Dağçukurören villages, 40°45' N 32°50' E, 27.IV.2014, 1220 m, 3 specimens; Korgun, Sanı plateau, 40°37' N 33°24' E, 20.V.2014, 1363 m, 1 specimen; Eldivan, between Akçalı-Çiftlik villages, 40°36' N 33°29' E, 20.V.2014, 1036 m, 1 specimen; Orta, between Bulduk-Yenice, 40°33' N 33°12' E, 24.V.2014, 1400 m, 2 specimens; Kurşunlu, entry of Hacimuslu, 40°51' N 33°16' E, 20.VII.2014, 1146 m, 8 specimens; Çerkeş, between Gelik-Ovacık villages, 40°51' N 32°56' E, 20.VII.2014, 1391 m, 1 specimen; Korgun, exit of Buğay, 40°42' N 33°28' E, 16.IV.2015, 964 m, 7 specimens; Orta, exit of Sancar village, 40°39' N 33°9' E, 17.IV.2015, 1262 m, 1 specimen; Çerkeş, entry of Bozoğlu village, 40°47' N 32°54' E, 19.IV.2015, 1123 m, 3 specimens; Çerkeş, between Örenkey-Yakuplar villages, 40°45' N 32°52' E, 19.IV.2015, 1255 m, 1 specimen; Çerkeş, Kışla Kirenözü return, 40°54' N 32°47' E, 20.IV.2015, 942 m, 3 specimens; Çerkeş, entry of Karacaköy, 40°54' N 32°49' E, 20.IV.2015, 946 m, 1 specimen; Bayramören, between Erenler-Dolaşlar, 40°56' N 33°8' E, 24.IV.2015, 925 m, 3 specimens; Kurşunlu, exit of Çaylıca village, 40°54' N 36°16' E, 25.IV.2015, 983 m, 1 specimen; Ilgaz, between Ödemiş-Çaltıpınar, 40°56' N 33°34' E, 25.IV.2015, 971 m, 1 specimen; Ilgaz, between Candere-Bükcük villages, 40°55' N 33°39' E, 26.IV.2015, 874 m, 2 specimens; Ilgaz, Ovaç village, 40°58' N 33°41' E, 27.IV.2015, 1099 m, 1 specimen; Center, Akçavah-Başegmez villages road, 40°41' N 33°35' E, 27.IV.2015, 840 m, 17 specimens; Center, entry of Başegmez village, 40°43' N 33°37' E, 27.IV.2015, 870 m, 7 specimens; Center, Aşağıçavuş village, 40°41' N 33°36' E, 27.IV.2015, 833 m, 2 specimens; Center, Paşaköy, 40°43' N 33°39' E, 27.IV.2015, 963 m, 9 specimens; Yapraklı, entry of Yakadere village, 40°42' N 33°43' E, 27.IV.2015, 993 m, 5 specimens; Yapraklı, entry of Bugay village, 40°40' N 33°46' E, 27.IV.2015, 868 m, 1 specimen; Yapraklı, between Yenice-Yüklü, 40°40' N 33°48' E, 27.IV.2015, 926 m, 12 specimens; Yapraklı, Topuzsaray-Kirliakça return, 40°38' N 33°51' E, 27.IV.2015, 1077 m, 1 specimen; Center, Dede district return, 40°35' N 33°41' E, 29.IV.2015, 952 m, 7 specimens; Center, Tuz Cave env., 40°31' N 33°46' E, 29.IV.2015, 723 m, 9 specimens; Center, Balbağı return, 40°34' N 33°46' E, 29.IV.2015, 1068 m, 7 specimens; Center, Ova village, 40°33' N 33°48' E, 29.IV.2015, 1104 m, 3 specimens; Yapraklı, Bademçay village return, 40°46' N 33°55' E, 30.IV.2015, 1059 m, 1 specimen; Eldivan, entry of Küçükacıbey village, 40°27' N 33°33' E, 30.IV.2015, 920 m, 5 specimens; Kızılırmak, between Çullu-Kevalli villages, 40°18' N 34°1' E, 01.V.2015, 589 m, 2 specimens; Kurşunlu, exit of Köprülü village, 40°46' N 33°17' E, 11.V.2015, 1052 m, 1 specimen; Şabanözü, entry of Çaparköy, 40°29' N 33°22' E, 12.V.2015, 1050 m, 1 specimen; Center, Kılıçarkı district, 40°33' N 33°34' E, 13.V.2015, 737 m, 9 specimens; Eldivan, between Gölezkayı-Gölez, 40°30' N 33°33' E, 13.V.2015, 922 m, 4 specimens; Eldivan,

Büyükhacıbey-Küçükhacıbey village road, 40°27' N 33°33' E, 3.V.2015, 906 m, 13 specimens; Eldivan, between Büyükhacıbey-Küçükhacıbey, 40°26' N 33°33' E, 13.V.2015, 940 m, 1 specimen; Eldivan, between Yukarıpelitözü-Elmalı, 40°28' N 33°34' E, 13.V.2015, 909 m, 16 specimens; Eldivan, between Sarıtarla return-Akçalı, 40°36' N 33°28' E, 14.V.2015, 1046 m, 2 specimens; Center, Çiviköy, 40°34' N 33°45' E, 15.V.2015, 1018 m, 1 specimen; Center, Alaçatı, 40°32' N 33°33' E, 15.V.2015, 870 m, 1 specimen; Center, Kuzuköy, 40°31' N 33°56' E, 15.V.2015, 645 m, 1 specimen; Ilgaz, between Beyköy-Saraylık villages, 40°59' N 33°44' E, 19.VI.2015, 1195 m, 1 specimen; Yapraklı, between Yuvasaray-Yukarıöz, 40°52' N 33°46' E, 25.VI.2015, 1077 m, 1 specimen; Korgun, Öz, 40°42' N 33°31' E, 30.VI.2015, 758 m, 1 specimen.

SUBFAMILY CLYTRINAE Kirby, 1837

GENUS *CLYTRA* Laicharting, 1781

SUBGENUS *CLYTRARIA* Semenov, 1903

SPECIES *Clytra atraphaxidis* (Pallas, 1773)

SUBSPECIES *Clytra atraphaxidis atraphaxidis* (Pallas, 1773)

The subspecies has Centralasiatic-European chorotype. It has been recorded by various authors in many provinces from 6 of 7 Turkish regions. It is known from Amasya, Ankara, Artvin, Aydın, Denizli, Erzincan, Erzurum, Eskişehir, Isparta, İzmir, Kahramanmaraş, Kars, Kastamonu, Konya, Manisa, Mersin, Nevşehir, Niğde and Tokat provinces in Asian Turkey (Anatolia) and Edirne province in European Turkey (Thrace). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Center, exit of Çaypınar village, 40°22' N 33°32' E, 24.VII.2013, 687 m, 1 specimen; Şabanözü, entry of Mart village, 40°25' N 33°22' E, 24.V.2014, 910 m, 1 specimen; Kızılırmak, between Küçükbahçeli-Tepe Alagöz, 40°23' N 33°58' E, 11.VIII.2014, 572 m, 7 specimens; Kızılırmak, Tepe Alagöz village, 40°22' N 33°58' E, 11.VIII.2014, 574 m, 1 specimen.

SPECIES *Clytra novempunctata* Olivier, 1808

The species has Turano-Mediterranean chorotype. It has been recorded by various authors in many provinces from all Turkish regions. It is known from Adana, Amasya, Ankara, Antalya, Artvin, Aydın, Bartın, Bolu, Burdur, Çorum, Denizli, Elazığ, Erzurum, Gaziantep, Giresun, Hatay, Isparta, İzmir, Kahramanmaraş, Karabük, Karaman, Kastamonu, Kayseri, Konya, Manisa, Mardin, Mersin, Muğla, Niğde, Osmaniye, Siirt, Sinop, Sivas, Tokat, Tunceli, Uşak and Yozgat provinces in Asian Turkey (Anatolia) and European Turkey (Thrace) without any real locality. So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Şabanözü, entry of Şabanözü, 40°30' N 33°18' E, 08.VII.2014, 1148 m, 1 specimen; Şabanözü, entry of Çerçi, 40°31' N 33°13' E, 08.VII.2014, 1275 m, 2 specimens; Orta, Elmalı, 40°32' N 33°09' E, 08.VII.2014, 1267 m, 2 specimens; Kurşunlu, entry of Köpürlü, 40°47' N 33°16' E, 10.VII.2014, 1006 m, 1 specimen; Center, Değim, 40°41' N 33°41' E, 25.V.2015, 916 m, 1 specimen; Ilgaz, entry of Belören, 40°51' N 33°29' E, 27.V.2015, 919 m, 1 specimen; Ilgaz, between Belören-Şeyhyunus, 40°52' N 33°31' E, 27.V.2015, 889 m, 2 specimens; Ilgaz, between Yaylaören-Eskice, 40°54' N 33°29' E, 29.V.2015, 1008 m, 1 specimen; Ilgaz, Aşıklar village, 40°55' N 33°26' E, 17.VI.2015, 1260 m, 1 specimen; Ilgaz, Belören, between Şeyhyunus-Sapgöl villages, 40°52' N 33°31' E, 18.VI.2015, 893 m, 1 specimen; Ilgaz, 7 km to Şeyhyunus village, 40°51' N 33°32' E, 18.VI.2015, 1015 m, 57 specimens; Ilgaz, entry of Şeyhyunus village, 40°50' N 33°31' E, 18.VI.2015, 1421 m, 2 specimens; Ilgaz, between Şeyhyunus-Ericek villages, 40°49' N 33°31' E, 18.VI.2015, 1438 m, 1 specimen; Ilgaz, Candere village, 40°55' N 33°39' E, 18.VI.2015, 907 m, 2 specimens; Çerkeş, between İnceğiz-Avşar, 40°54' N 32°59' E, 20.VI.2015, 1113 m, 1 specimen; Çerkeş, between Avşar-Kükürt, 40°54' N 33°1' E, 20.VI.2015, 1205 m, 1 specimen; Atkaracalar, Kükürt village, Demirciler district, 40°55' N 33°4' E, 20.VI.2015, 1131 m, 1 specimen; Bayramören, between Boğazkaya-Koçlu, 41°0' N 33°17' E, 21.VI.2015,

1074 m, 1 specimen; Atkaracalar, entry of Eyüpözü village, 40°53' N 33°6' E, 22.VI.2015, 1174 m, 1 specimen; Çerkeş, entry of Ahırlar village, 40°52' N 32°46' E, 22.VI.2015, 1270 m, 10 specimens; Çerkeş, Kuzuören village road, 40°54' N 32°49' E, 22.VI.2015, 963 m, 1 specimen; Çerkeş, Yeşilören road, 40°49' N 32°37' E, 23.VI.2015, 1122 m, 1 specimen; Center, Paşaköy, 40°43' N 33°39' E, 27.VI.2015, 962 m, 1 specimen; Şabanözü, exit of Kamlı village, 40°33' N 33°20' E, 28.VI.2015, 1217 m, 23 specimens; Yapraklı, Tatlıpınar road, 40°43' N 33°52' E, 29.VI.2015, 955 m, 1 specimen.

SPECIES *Clytra valeriana* Ménétris, 1832

SUBSPECIES *Clytra valeriana valeriana* Ménétris, 1832

The subspecies has Turano-Mediterranean (Turano-Balkan) chorotype. It has been recorded by various authors in many provinces from 5 of 7 Turkish regions. It is known from Aksaray, Ankara, Antalya, Aydın, Erzincan, Erzurum, Eskişehir, Gümüşhane, İzmir, Kars, Kayseri, Kırıkkale, Konya, Manisa, Mersin, Nevşehir, Niğde, Osmaniye, Sivas, Uşak and Yozgat provinces in Asian Turkey (Anatolia) and European Turkey (Thrace) without any real locality. So the records in this work are the new record for Çankırı province and hereby Black Sea region of Turkey.

Material examined: **Çankırı:** Atkaracalar, Höyük village, 40°48' N 33°3' E, 27.VII.2013, 1239 m, 3 specimens; Ilgaz, between Beyköy-Saraycık, 40°59' N 33°45' E, 17.VII.2014, 1211 m, 1 specimen; Ilgaz, İkikavak village, 40°35' N 33°24' E, 19.VII.2014, 1321 m, 1 specimen.

SUBGENUS *OVOCLYTRA* L. N. Medvedev, 1961

SPECIES *Clytra bodemeyeri* Weise, 1900

The species has E-Mediterranean (Palaestino-Taurian) chorotype. It has been recorded by various authors in many provinces from 5 of 7 Turkish regions. It is known from Ankara, Antalya, Bilecik, Erzurum, Gaziantep, Hatay, Isparta, Kırşehir, Konya, Mersin, Muğla, Niğde and Osmaniye provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province and hereby Black Sea region of Turkey.

Material examined: **Çankırı:** Ilgaz, entry of Güneyköy, 40°55' N 33°28' E, 29.IV.2015, 1226 m, 1 specimen; Center, Dutağaç-Deyim return, 40°40' N 33°41' E, 25.V.2015, 855 m, 2 specimens.

GENUS *COPTOCEPHALA* Chevrolat, 1836

SPECIES *Coptocephala destinoi* Fairmaire, 1884

The species has SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian) chorotype. It has been recorded by various authors in many provinces from 6 of 7 Turkish regions. It is known from Adana, Ankara, Antalya, Ardahan, Aydın, Balıkesir, Burdur, Çanakkale, Erzincan, Erzurum, Eskişehir, Gümüşhane, Hatay, Isparta, İzmir, Kahramanmaraş, Kars, Kastamonu, Kayseri, Konya, Mersin, Muğla, Osmaniye and Sivas provinces in Asian Turkey (Anatolia) and Edirne province in European Turkey (Thrace). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Ilgaz, exit of Yuvasaray village, 40°52' N 33°46' E, 25.VII.2013, 1101 m, 1 specimen; Eldivan, between Akçalı-Maruf, 40°38' N 33°27' E, 09.VII.2014, 805 m, 1 specimen; Center, between Paşaköy-Dereçatı villages, 40°44' N 33°39' E, 15.VII.2014, 993 m, 1 specimen; Ilgaz, Kırpınar plateau road, 41°00' N 33°39' E, 17.VII.2014, 1493 m, 2 specimens; Bayramören, Boğazkaya, 40°59' N 33°17' E, 19.VII.2014, 1019 m, 1 specimen; Bayramören, exit of Harmancık village, 41°03' N 33°12' E, 19.VII.2014, 639 m, 1 specimen; Atkaracalar, Budak pınarı, 40°51' N 33°08' E, 20.VII.2014, 1282 m, 1 specimen; Şabanözü, between Bakırh-Karakocaş, 40°26' N 33°21' E, 08.VIII.2014, 942 m, 1 specimen; Şabanözü, between Karakocaş-Mart villages, 40°25' N 33°21' E, 08.VIII.2014, 893 m, 2 specimens; Center, between Yukarıçavuş- Dereçatı, 40°44' N 33°39' E,

09.VIII.2014, 997 m, 4 specimens; Center, entry of Dereçatı village, 40°44' N 33°40' E, 09.VIII.2014, 1068 m, 5 specimens; Center, between Dereçatı-Başegnez, 40°44' N 33°38' E, 09.VIII.2014, 1099 m, 4 specimens; Eldivan, Sarı tarla, 40°35' N 33°30' E, 09.VIII.2014, 980 m, 2 specimens; Center, between Karadayı-Çatalelma villages, 40°20' N 33°46' E, 11.VIII.2014, 569 m, 2 specimens; Kızılırmak, entry of Bozkur village, 40°26' N 33°49' E, 11.VIII.2014, 1637 m, 1 specimen.

SPECIES *Coptocephala gebleri* Gebler, 1841

The species has Turano-Mediterranean (Turano-Balkan) chorotype. It has been recorded by several authors in 8 provinces from 5 of 7 Turkish regions. It is known from Adana, Ankara, Çanakkale, Erzurum, Kars, Mersin, Rize and Tokat provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province and hereby Western Black Sea region of Turkey.

Material examined: **Çankırı:** Çerkeş, between Uluköy-Karaşar villages, 40°55' N 32°56' E, 20.VII.2014, 502 m, 12 specimens; Center, between Dereçatı-Başegnez, 40°44' N 33°38' E, 09.VIII.2014, 1099 m, 1 specimen; Center, between Başegnez-Alanpınar, 40°43' N 33°36' E, 09.VIII.2014, 956 m, 1 specimen; Kızılırmak, between Yukarı Alagöz-Alıca, 40°23' N 33°54' E, 11.VIII.2014, 590 m, 1 specimen; Center, between Karadayı-Çatalelma villages, 40°20' N 33°46' E, 11.VIII.2014, 569 m, 2 specimens; Kızılırmak, between Küçükbahçeli-Tepe Alagöz, 40°23' N 33°58' E, 11.VIII.2014, 572 m, 1 specimen; Çerkeş, exit of Yürük, 40°53' N 32°56' E, 21.VIII.2014, 894 m, 1 specimen; Bayramören, entry of Oymağaç, 40°58' N 33°14' E, 22.VIII.2014, 968 m, 2 specimens; Ilgaz, between Hacıhasan-Sazak, 40°57' N 33°42' E, 24.VIII.2014, 1134 m, 3 specimens.

SUBFAMILY CHRYSOMELINAE Latreille, 1802

GENUS *CHRYSOLINA* Motschulsky, 1860

SUBGENUS *HYPERICIA* Bedel, 1892

SPECIES *Chrysolina didymata* (L. G. Scriba, 1791)

SUBSPECIES *Chrysolina didymata didymata* (L. G. Scriba, 1791)

The subspecies has Turano-Mediterranean (Turano-Balkan) chorotype. It has been recorded by various authors in many provinces from 6 of 7 Turkish regions. It is known from Afyonkarahisar, Amasya, Ankara, Antalya, Bilecik, Denizli, Isparta, İzmir, Konya, Mardin and Sivas provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province and hereby Western Black Sea region of Turkey.

Material examined: **Çankırı:** Orta, exit of Yuva village, 40°36' N 33°01' E, 22.V.2014, 1306 m, 1 specimen; Ilgaz, Kazancı-Kırkpınar-Yayla return, 40°59' N 33°41' E, 19.VI.2015, 1110 m, 11 specimens; Bayramören, between Dalkoz-Aşağı, 40°57' N 33°13' E, 21.VI.2015, 800 m, 10 specimens; Çerkeş, entry of Ahırlar village, 40°52' N 32°46' E, 22.VI.2015, 1270 m, 2 specimens; Çerkeş, Kuzuören village road, 40°54' N 32°49' E, 22.VI.2015, 963 m, 1 specimen; Çerkeş, Yürükvillage, 40°54' N 32°52' E, 22.VI.2015, 970 m, 1 specimen.

SUBGENUS *OVOSOMA* Motschulsky, 1860

SPECIES *Chrysolina halysa* Bechyné, 1950

The species has E-Mediterranean (Palaestino-Cyprioto-Taurian) chorotype. It is regarded by some authors as the subspecies of *Chrysolina orientalis* (Olivier, 1807). It was recorded by Özdikmen (2011) from Adana, Bolu, Kastamonu, Niğde and Osmaniye provinces in Asian Turkey (Anatolia). So the record in this work is the new record for Çankırı province.

Material examined: **Çankırı:** Ilgaz, Yaylaören village return, 40°52' N 33°30' E, 22.IV.2013, 914 m, 1 specimen.

SPECIES *Chrysolina orientalis* (Olivier, 1807)

SUBSPECIES *Chrysolina orientalis orientalis* (Olivier, 1807)

The endemic species has Anatolian chorotype. It has been recorded by various authors in many provinces from European and Asian Turkey. However, the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Ilgaz, Yaylaören village return, 40°52' N 33°30' E, 914 m, 17.VI.2015, 7 specimens; Ilgaz, entry of Yaylaören village, 40°54' N 33°30' E, 969 m, 17.VI.2015, 1 specimen; Ilgaz, entry of Eskice village, 40°54' N 33°29' E, 17.VI.2015, 983 m, 1 specimen; Korgun, Öz, 40°42' N 33°31' E, 30.VI.2015, 758 m, 1 specimen.

SUBGENUS *STICHOPTERA* Motschulsky, 1860

SPECIES *Chrysolina gypsophilae* (Küster, 1845)

The species has Centralasiatic-European chorotype. It has been recorded by various authors in many provinces from 6 of 7 Turkish regions. It is known from Adana, Afyon, Aksaray, Amasya, Ankara, Antalya, Artvin, Bartın, Bilecik, Bursa, Erzurum, Eskişehir, İzmir, Karaman, Kırşehir, Konya, Mersin, Nevşehir, Niğde, Osmaniye, Sinop, Tokat and Zonguldak provinces in Asian Turkey (Anatolia). So the record in this work is the new record for Çankırı province.

Material examined: **Çankırı:** Kızılırmak, exit of Büyükbahçeli, 40°24' N 33°59' E, 16.V.2015, 611 m, 1 specimen.

SUBGENUS *SULCICOLLIS* J. R. Sahlberg, 1913

SPECIES *Chrysolina chalcites* (Germar, 1824)

The species has Centralasiatic-European chorotype. It has been recorded by various authors in many provinces from all Turkish regions. It is known from Amasya, Antalya, Artvin, Bolu, Bursa, Denizli, Diyarbakır, Erzurum, Gaziantep, İstanbul, İzmir, Konya, Mersin, Osmaniye, Sakarya, Samsun and Sinop provinces in Asian Turkey (Anatolia) and İstanbul province in European Turkey (Thrace). So the record in this work is the new record for Çankırı province.

Material examined: **Çankırı:** Yapraklı, entry of Kaymaz village, 40°43' N 33°54' E, 29.VI.2015, 1011 m, 1 specimen.

SUBGENUS *TAENIOSTICHA* Motschulsky, 1860

SPECIES *Chrysolina pseudolurida* (Roubal, 1817)

The species has S and E-European chorotype. It has been recorded only by Aslan et al. (2003) and Özdikmen (2011) in 7 provinces from 4 of 7 Turkish regions. It is known from Adana, Ankara, Bolu, Kars, Konya, Niğde and Tokat provinces in Asian Turkey (Anatolia). So the record in this work is the new record for Çankırı province.

Material examined: **Çankırı:** Kızılırmak, between Korçullu-Kemalli, 40°18' N 34°1' E, 17.V.2015, 586 m, 1 specimen; Yapraklı, Bugay, 40°42' N 33°46' E, 25.V.2015, 897 m, 2 specimens; Yapraklı, entry of Topuzsaray, 40°38' N 33°53' E, 26.V.2015, 1169 m, 1 specimen; Yapraklı, between Yamaçbağı-Söğütlü, 40°42' N 33°58' E, 26.V.2015, 1125 m, 1 specimen; Ilgaz, Yaylaören, 40°53' N 33°30' E, 29.V.2015, 999 m, 1 specimen.

GENUS *CHRYSOMELA* Linnaeus, 1758

SPECIES *Chrysomela populi* Linnaeus, 1758

The species has Asiatic-European chorotype. It has been recorded by various authors in many provinces from 6 of 7 Turkish regions. It is known from Aksaray, Amasya, Ankara, Antalya, Artvin, Aydın, Bilecik, Bitlis, Burdur, Çorum, Denizli, Erzincan, Erzurum, Eskişehir, Isparta, İstanbul, İzmir, Kahramanmaraş, Karabük, Karaman, Kars, Kastamonu, Kayseri, Kocaeli, Konya, Manisa, Nevşehir, Niğde, Ordu, Osmaniye, Samsun, Sinop, Sivas, Tokat, Trabzon and Zonguldak provinces in Asian Turkey (Anatolia) and İstanbul province in European Turkey (Thrace). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Kurşunlu, 5 km to Eskiahır, 40°50' N 33°15' E, 25.VII.2013, 1152 m, 3 specimens; Kurşunlu, Çatkese, 40°50' N 33°13' E, 27.VII.2013, 1659 m, 18 specimens; Kızılırmak, Karallı village return, 40°18' N 33°56' E, 25.IV.2014, 606 m, 1 specimen; Kurşunlu, between Köprülü-Kapaklı, 40°46' N 33°17' E, 06.VIII.2014, 1195 m, 4 specimens; Şabanözü, Gümedğin village, 40°26' N 33°15' E, 08.VIII.2014, 1032 m, 11 specimens; Eldivan, entry of Çiftlik village, 40°34' N 33°30' E, 09.VIII.2014, 856 m, 1 specimen; Şabanözü, Güldağı, 40°24' N 33°15' E, 12.V.2015, 1342 m, 7 specimens; Şabanözü, Günerdeğin, 40°26' N 33°15' E, 12.V.2015, 1026 m, 9 specimens; Eldivan, 5 km to Akbulut, 40°30' N 33°31' E, 13.V.2015, 1194 m, 2 specimens; Eldivan, entry of Eldivan center, 40°32' N 33°30' E, 14.V.2015, 909 m, 4 specimens; Kızılırmak, Kahyalı village, 40°16' N 33°55' E, 17.V.2015, 634 m, 1 specimen; Yapraklı, Bugay, 40°42' N 33°46' E, 25.V.2015, 897 m, 6 specimens; Yapraklı, entry of Çevrecik, 40°39' N 33°49' E, 25.V.2015, 953 m, 12 specimens; Yapraklı, Çevrecik road, 40°39' N 33°49' E, 26.V.2015, 871 m, 5 specimens; Yapraklı, entry of Topuzsaray, 40°38' N 33°53' E, 26.V.2015, 1169 m, 30 specimens; Yapraklı, Kirliakça, 40°37' N 33°54' E, 26.V.2015, 914 m, 10 specimens; Ilgaz, between Şeyhyunus-Ericek, 40°49' N 33°33' E, 27.V.2015, 1361 m, 5 specimens; Ilgaz, between Şeyhyunus-Ericek villages, 40°49' N 33°31' E, 18.VI.2015, 1438 m, 3 specimens; Ilgaz, Onat, 40°58' N 33°41' E, 19.VI.2015, 1024 m, 28 specimens; Ilgaz, Satılar-Beyköy-Saraycık return, 40°58' N 33°42' E, 19.VI.2015, 1048 m, 30 specimens; Ilgaz, Satılar village, 40°59' N 33°43' E, 19.VI.2015, 1129 m, 3 specimens; Atkaracalar, Kükürt village, between Demirciler-Yazıören, 40°55' N 33°4' E, 20.VI.2015, 924 m, 3 specimens; Kurşunlu, Çatkese, 40°53' N 33°12' E, 21.VI.2015, 1228 m, 6 specimens; Ilgaz, entry of Yuvasaray, 40°53' N 33°44' E, 25.VI.2015, 781 m, 427 specimens; Eldivan, entry of center, 40°32' N 33°30' E, 28.VI.2015, 874 m, 22 specimens; Eldivan, Saray road, 40°30' N 33°30' E, 28.VI.2015, 1014 m, 12 specimens; Yapraklı, Yüklü return, 40°40' N 33°45' E, 29.VI.2015, 861 m, 7 specimens; Yapraklı, entry of Kaymaz village, 40°43' N 33°54' E, 29.VI.2015, 1011 m, 8 specimens; Yapraklı, between Yüklü-Çevrecik return, 40°40' N 33°45' E, 29.VI.2015, 926 m, 8 specimens; Yapraklı, Çevrecik return, 40°39' N 33°51' E, 29.VI.2015, 992 m, 2 specimens; Yapraklı, Topuzsaray village, 40°38' N 33°53' E, 29.VI.2015, 985 m, 50 specimens.

GENUS *ENTOMOSCELIS* Chevrolat, 1836

SPECIES *Entomoscelis adonidis* (Pallas, 1771)

The species has Sibero-European + Nearctic chorotype. It has been recorded by various authors in many provinces from all Turkish regions. It is known from Afyon, Aksaray, Amasya, Ankara, Antalya, Ardahan, Denizli, Diyarbakır, Düzce, Erzurum, Eskişehir, Gaziantep, Hatay, Isparta, İzmir, Kahramanmaraş, Karabük, Kastamonu, Kayseri, Kırıkkale, Kırşehir, Konya, Nevşehir, Niğde, Sivas, Tokat, Yozgat and Zonguldak provinces in Asian Turkey (Anatolia) and European Turkey (Thrace) without any real locality. So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Korgun, Alparsı, 40°42' N 33°32' E, 22.IV.2013, 830 m, 1 specimen; Korgun, between Karatekin-Yolkaya villages, 40°41' N 33°29' E, 22.IV.2013, 957 m, 1 specimen; Kurşunlu, between Köprülü-Kapaklı, 40°45' N 33°16' E, 20.V.2014, 1329 m, 1 specimen; Orta, Kırsakal village, 40°38' N 33°08' E, 20.V.2014, 1238 m, 3 specimens; Orta, entry of Sakarcaören village, 40°37' N 33°08' E, 20.V.2014, 1305 m, 1 specimen; Korgun, exit of Maruf village, 40°38' N 33°26' E, 20.V.2014, 1181 m, 3 specimens; Orta, exit of Sakaeli, 40°40' N 33°09' E, 21.V.2014, 1227 m, 2 specimens; Orta, entry of Kısaç, 40°38' N 33°02' E, 21.V.2014, 1316 m, 1 specimen; Orta, exit of Yuva village, 40°36' N 33°01' E, 22.V.2014, 1306 m, 264 specimens; Orta, entry of Dodurga, 40°36' N 33°00' E, 22.V.2014, 1351 m, 16 specimens; Korgun, between Maruf-Akçalı, 40°37' N 33°26' E, 23.V.2014, 1250 m, 2 specimens; Orta, between Yaylakent-İnkılup, 40°35' N 33°05' E, 24.V.2014, 1273 m, 2 specimens; Orta, İnkılup village, 40°34' N 33°03' E, 24.V.2014, 1290 m, 5 specimens; Kızılırmak, Yukarıalagöz village, 40°22' N 33°53' E, 16.V.2015, 642 m, 1 specimen; Kızılırmak, exit of Büyükbahçeli, 40°24' N 33°59' E, 16.V.2015, 611 m, 1 specimen; Yapraklı, Bugay, 40°42' N 33°46' E, 25.V.2015, 897 m, 1 specimen; Ilgaz, Yaylaören, 40°53' N 33°30' E, 29.V.2015, 999 m, 17 specimens.

SPECIES *Entomoscelis suturalis* Weise, 1882

The species has Turano-Mediterranean (Turano-Balkan) chorotype. It has been recorded by various authors in many provinces from 4 of 7 Turkish regions. It is known from Adana, Aksaray, Amasya, Ankara, Antalya, Bitlis, Bolu, Çorum, Erzurum, Isparta, Kahramanmaraş, Karaman, Kastamonu, Kayseri, Kırşehir, Konya, Mersin, Nevşehir, Niğde, Tokat, Van, Yozgat and Zonguldak provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Çerkeş, Kuzuören village road, 40°54' N 32°49' E, 22.VI.2015, 963 m, 6 specimens.

GENUS *LEPTINOTARSA* Chevrolat, 1836**SPECIES *Leptinotarsa decemlineata* (Say, 1824)**

The species has C and E-European + Nearctic chorotype. It has been recorded by various authors in many provinces from 6 of 7 Turkish regions. It is known from Adana, Afyon, Aksaray, Ankara, Artvin, Bolu, Çanakkale, Düzce, Erzincan, Erzurum, Eskişehir, Kahramanmaraş, Karaman, Kastamonu, Kayseri, Nevşehir, Niğde, Osmaniye, Sinop, Tokat and Zonguldak provinces in Asian Turkey (Anatolia) and Edirne and Tekirdağ provinces in European Turkey (Thrace). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Yapraklı, Kirliakça, 40°37' N 33°54' E, 26.V.2015, 914 m, 1 specimen; Korgun, Öz, 40°43' N 33°31' E, 31.V.2015, 854 m, 326 specimens; Çerkeş, İnceğiz village, 40°55' N 32°58' E, 20.VI.2015, 1133 m, 8 specimens; Çerkeş, Kükürt, 40°55' N 33°3' E, 20.VI.2015, 1143 m, 4 specimens; Center, Aşağıçavuş, 40°41' N 33°36' E, 27.VI.2015, 825 m, 78 specimens; Korgun, Öz, 40°42' N 33°31' E, 30.VI.2015, 758 m, 191 specimens.

GENUS *NEOPHAEDON* Jakobson, 1901**SPECIES *Neophaedon pyritosus* (Rossi, 1792)**

The species has Centralasiatic-European chorotype. It has been recorded by various authors in many provinces from all Turkish regions. It is known from Aksaray, Amasya, Ankara, Antalya, Düzce, Erzurum, Eskişehir, Isparta, İstanbul, İzmir, Karabük, Kastamonu, Kırşehir, Konya, Manisa, Mardin, Ordu, Samsun, Sivas, Şanlıurfa, Tokat, Trabzon and Yozgat provinces in Asian Turkey (Anatolia) and İstanbul province in European Turkey (Thrace). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Kurşunlu, exit of Dumanlı village, 40°40' N 33°13' E, 20.V.2014, 1403 m, 6 specimens; Orta, exit of Yuva village, 40°36' N 33°01' E, 22.V.2014, 1306 m, 1 specimen; Orta, entry of Dodurga, 40°36' N 33°00' E, 22.V.2014, 1351 m, 7 specimens; Orta, entry of Kısacık village, 40°37' N 33°3' E, 10.V.2015, 1283 m, 1 specimen; Kızılırmak, between Küçükbağçeli-Büyükbağçeli, 40°23' N 33°58' E, 16.V.2015, 560 m, 1 specimen.

GENUS *PLAGIODERA* Chevrolat, 1836**SPECIES *Plagioderia versicolora* (Laicharting, 1781)**

The species has Palearctic + Oriental chorotype. It has been recorded by various authors in many provinces from all Turkish regions. It is known from Aksaray, Amasya, Ankara, Antalya, Artvin, Bolu, Burdur, Bursa, Diyarbakır, Erzincan, Erzurum, Isparta, İstanbul, İzmir, Kahramanmaraş, Kastamonu, Kayseri, Kocaeli, Konya, Mardin, Mersin, Samsun, Sakarya, Tokat, Trabzon, Yalova and Zonguldak provinces in Asian Turkey (Anatolia) and Edirne, İstanbul and Kırklareli provinces in European Turkey (Thrace). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı**: Orta, entry of Tutmaçbayındır village, 40°33' N 32°57' E, 10.VII.2014, 1421 m, 3 specimens; Korgun, Öz, 40°42' N 33°31' E, 30.VI.2015, 758 m, 1 specimen.

GENUS PRASOCURIS Latreille, 1802

SUBGENUS PRASOCURIS Latreille, 1802

SPECIES *Prasocuris junci* (Brahm, 1790)

The species has European chorotype. It has been recorded by various authors in many provinces from 6 of 7 Turkish regions. It is known from Afyon, Ankara, Denizli, Diyarbakır, Erzurum, Eskişehir, Gaziantep, Gümüşhane, Isparta, Kayseri, Kırşehir, Konya, Muğla, Nevşehir, Niğde, Osmaniye, Samsun, Sivas, Tokat, Van and Yozgat provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı**: Eldivan, Çiftlik-Sarıtarla return, 40°34' N 33°30' E, 14.V.2015, 837 m, 3 specimens.

SUBFAMILY GALERUCINAE Latreille, 1802

TRIBE GALERUCINI Latreille, 1802

GENUS CALOMICRUS Dillwyn, 1829

SPECIES *Calomicrus apicalis* Demaison, 1891

The species has SW-Asiatic (Syro-Anatolian) chorotype. It has been recorded by various authors in many provinces from 4 of 7 Turkish regions. It is known from Adana, Antalya, Bolu, Erzurum, Hatay, Isparta, Karaman, Kastamonu, Mersin and Sivas provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı**: Ilgaz, between Kayı village return-Kırşlar village, 40°56' N 33°28' E, 29.IX.2015, 1137 m, 1 specimen; Ilgaz, Gökçeyazı village, 40°57' N 33°29' E, 29.V.2015, 1020 m, 2 specimens; Ilgaz, between Güneyköy-Aşıklar villages, 40°55' N 33°27' E, 17.VI.2015, 1294 m, 2 specimens; Ilgaz, between Kayı-Kırşlar villages, 40°56' N 33°27' E, 17.VI.2015, 1158 m, 1 specimen; Ilgaz, entry of Şeyhyunus village, 40°50' N 33°31' E, 18.VI.2015, 1421 m, 1 specimen; Ilgaz, between Şeyhyunus-Ericek villages, 40°49' N 33°31' E, 18.VI.2015, 1438 m, 1 specimen; Ilgaz, Sazak village, 40°56' N 33°43' E, 18.VI.2015, 1144 m, 1 specimen; Ilgaz, Satlar village, 40°59' N 33°43' E, 19.VI.2015, 1129 m, 1 specimen; Ilgaz, Kırkpınar plateau road, 41°00' N 33°41' E, 19.VI.2015, 1230 m, 3 specimens; Ilgaz, exit of Yukarıbozan, 40°57' N 33°35' E, 19.VI.2015, 1047 m, 1 specimen; Çerkeş, between Kabakköy-İnceğiz, 40°55' N 32°58' E, 20.VI.2015, 954 m, 2 specimens; Çerkeş, between Aşar-Kükürt, 40°54' N 33°1' E, 20.VI.2015, 1205 m, 2 specimens; Atkaracalar, Kükürt village, Demirciler district, 40°55' N 33°4' E, 20.VI.2015, 1131 m, 3 specimens; Bayramören, Harmançık road, 41°2' N 33°13' E, 21.VI.2015, 861 m, 1 specimen; Yapraklı, between Yuvasaray-Yukarıöz, 40°52' N 33°46' E, 25.VI.2015, 1077 m, 5 specimens; Yapraklı, Yukarıöz, 40°51' N 33°44' E, 25.VI.2015, 1380 m, 16 specimens; Center, Paşaköy, 40°43' N 33°39' E, 27.VI.2015, 962 m, 3 specimens; Eldivan, between Çiftlikköy-Akçalı, 40°36' N 33°28' E, 28.VI.2015, 1056 m, 1 specimen; Eldivan, Bülbül stream road, 40°30' N 33°30' E, 28.VI.2015, 1091 m, 19 specimens.

GENUS EXOSOMA Jacoby, 1903

SPECIES *Exosoma flavipes* (Heyden, 1878)

The species has SW-Asiatic (Anatolo-Caucasian) chorotype. It has been recorded by various authors in many provinces from 3 of 7 Turkish regions. It is known from Amasya, Ankara, Ardahan, Artvin, Bayburt, Bolu, Çorum, Erzincan, Erzurum, Giresun, Gümüşhane, Kars, Sivas and Yozgat provinces in Asian Turkey (Anatolia). So the record in this work is the new record for Çankırı province.

Material examined: **Çankırı**: Atkaracalar, Ilıksu, 40°48' N 33°05' E, 20.VII.2014, 1207 m, 1 specimen.

SPECIES *Exosoma neglectum* Mohr, 1968

The species has SW-Asiatic (Syro-Anatolian) chorotype. It has been recorded by various authors in many provinces from 5 of 7 Turkish regions. It is known from Adana, Amasya, Ankara, Antalya, Burdur, Diyarbakır, Erzincan, Eskişehir, Isparta, Konya, Mersin and Osmaniye provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Center, Yukarıçavuş village, 40°41' N 33°37' E, 27.VI.2015, 865 m, 1 specimen.

GENUS *GALERUCA* Geoffroy, 1762**SUBGENUS *GALERUCA* Geoffroy, 1762****SPECIES *Galeruca armeniaca* Weise, 1886**

The species has Centralasiatic + SW-Asiatic chorotype. It has been recorded by several authors in 5 provinces from 3 of 7 Turkish regions. It is known from Afyon, Erzincan, Erzurum, Iğdır, Isparta and Kars provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province and hereby Central Anatolian region of Turkey.

Material examined: **Çankırı:** Kızılırmak, Yukarı Alagöz village, 40°22' N 33°53' E, 16.V.2015, 642 m, 1 specimen; Kızılırmak, Karallı-Kahyalı return, 40°18' N 33°56' E, 17.V.2015, 556 m, 1 specimen.

SPECIES *Galeruca spectabilis* (Faldermann, 1837)**SUBSPECIES *Galeruca spectabilis orientalis* (Osculati, 1844)**

The subspecies has SW-Asiatic (Irano-Anatolian + Syro-Anatolian) chorotype. It has been recorded by various authors in many provinces from 4 of 7 Turkish regions. It is known from Aksaray, Ankara, Antalya, Ardahan, Artvin, Bayburt, Erzurum, Kars, Kastamonu, Kayseri, Kırıkkale, Konya, Mersin, Nevşehir, Niğde, Sinop and Trabzon provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Orta, İnkılap village, 40°34' N 33°03' E, 24.V.2014, 1290 m, 1 specimen; Çerkeş, exit of Yürük, 40°53' N 32°56' E, 21.VIII.2014, 894 m, 2 specimens; Ilgaz, Satılar village, 40°59' N 33°43' E, 19.VI.2015, 1129 m, 1 specimen; Çerkeş, Akbaş-Kuzuören-Çayı-Kabak-Yıprak villages return, 40°53' N 32°48' E, 22.VI.2015, 1257 m, 1 specimen; Çerkeş, Kuzuören village road, 40°54' N 32°49' E, 22.VI.2015, 963 m, 3 specimens.

SPECIES *Galeruca tanacetii* (Linnaeus, 1758)**SUBSPECIES *Galeruca tanacetii tanacetii* (Linnaeus, 1758)**

The subspecies has Palearctic chorotype. It has been recorded by various authors in 9 provinces from 4 of 7 Turkish regions. It is known from Ankara, Çorum, Erzurum, Eskişehir, Isparta, Kars, Kastamonu, Ordu and Sinop provinces in Asian Turkey (Anatolia). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Ilgaz, Yaylaören, 40°53' N 33°30' E, 29.V.2015, 999 m, 3 specimens; Ilgaz, Yaylaören return, 40°52' N 33°30' E, 17.VI.2015, 914 m, 66 specimens; Ilgaz, entry of Yaylaören, 40°54' N 33°30' E, 17.VI.2015, 969 m, 1 specimen; Ilgaz, entry of Eskice village, 40°54' N 33°29' E, 17.VI.2015, 983 m, 10 specimens; Çerkeş, Kuzuören village road, 40°54' N 32°49' E, 22.VI.2015, 963 m, 1 specimen.

GENUS *GALERUCELLA* Crotch, 1873**SUBGENUS *NEOGALERUCELLA* Chujo, 1962****SPECIES *Galerucella calmariensis* (Linnaeus, 1767)**

The species has Palearctic chorotype. It has been recorded by various authors in many provinces from 5 of 7 Turkish regions. It is known from Afyon, Artvin,

Bolu, Denizli, Erzurum, Isparta, İstanbul, İzmir, Muğla, Samsun, Sinop and Tokat provinces in Asian Turkey (Anatolia) and İstanbul province in European Turkey (Thrace). So the records in this work are the new record for Çankırı province and hereby Central Anatolian region of Turkey.

Material examined: **Çankırı:** Bayramören, Karakışla village, 40°57' N 33°09' E, 27.VII.2013, 916 m, 1 specimen; Bayramören, between Dere-Hacılar villages, 41°01' N 33°13' E, 19.VII.2014, 1081 m, 1 specimen; Center, Balıbağı village, 40°34' N 33°46' E, 15.V.2015, 1037 m, 1 specimen; Ilgaz, between Belören-Şeyhyunus, 40°52' N 33°31' E, 27.V.2015, 889 m, 3 specimens.

GENUS *XANTHOGALERUCA* Laboisière, 1934 SPECIES *Xanthogaleruca luteola* (O. F. Müller, 1766)

The species has Centralasiatic-Europeo-Mediterranean chorotype. It has been recorded by various authors in many provinces from 6 of 7 Turkish regions. It is known from Ankara, Antalya, Aydın, Balıkesir, Bilecik, Bolu, Erzurum, Eskişehir, Iğdır, Isparta, İstanbul, İzmir, Karabük, Muğla, Samsun, Sinop, Trabzon and Zonguldak provinces in Asian Turkey (Anatolia) and İstanbul and Tekirdağ provinces in European Turkey (Thrace). So the records in this work are the new record for Çankırı province.

Material examined: **Çankırı:** Eldivan, Sarı tarla, 40°35' N 33°30' E, 09.VIII.2014, 980 m, 1 specimen; Eldivan, between Büyükacıbey-Küçükacıbey, 40°26' N 33°33' E, 13.V.2015, 940 m, 1 specimen; Bayramören, between Dalkoz-Aşağı, 40°57' N 33°13' E, 21.VI.2015, 800 m, 1 specimen.

LITERATURE CITED

- Aslan, İ., Gruev, B. A. & Özbek, H. 2003. A preliminary review of the Subfamily Chrysomelinae (Coleoptera, Chrysomelidae) of Turkey. Linzer Biol. Beitr., 35 (1): 581-605.
- Dikmen, F. & Özlüç, O. 2018. Insect (Coleoptera and Orthoptera) species of İstanbul in the Zoology Collection of İstanbul University. Turkish Journal of Bioscience and Collections, 2 (1): 27-43.
- Ekiz, A. N., Şen, İ., Aslan, E. G. & Gök, A. 2013. Checklist of leaf beetles (Coleoptera: Chrysomelidae) of Turkey, excluding Bruchinae. Journal of Natural History, 47 (33-34): 2213-2287.
- Özdikmen, H. 2011. A comprehensive contribution for leaf beetles of Turkey with a zoogeographical evaluation for all Turkish fauna (Coleoptera: Chrysomelidae). Munis Entomology & Zoology, 6 (2): 540-638.
- Özdikmen, H. 2014. Chorotype identification for Turkish Chrysomeloidea (Coleoptera) Part VII – Chrysomelidae: Chrysomelinae and Timarchinae. Munis Entomology & Zoology, 9 (1): 266-286.
- Özdikmen, H. & Kaya, G. 2014. Chorotype identification for Turkish Chrysomeloidea (Coleoptera) Part I – Chrysomelidae: Hispinae and Cassidinae. Munis Entomology & Zoology, 9 (1): 58-70.
- Özdikmen, H. & Mercan, N. 2014. Chorotype identification for Turkish Chrysomeloidea (Coleoptera) Part II – Chrysomelidae: Clytrinae. Munis Entomology & Zoology, 9 (1): 89-102.
- Özdikmen, H. & Özbek, H. 2014. Chorotype identification for Turkish Chrysomeloidea (Coleoptera) Part IV – Chrysomelidae: Donaciinae and Criocerinae. Munis Entomology & Zoology, 9 (1): 161-169.



Map 1. Çankırı province.