

LONGHORNED BEETLES OF DÜZCE PROVINCE IN TURKEY (COLEOPTERA: CERAMBYCIDAE)

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ABSTRACT: This work is the first attempt for entire longhorned beetles fauna of Düzce. All known taxa from Düzce province are given with new faunistical data in the present text. 37 species are new records for Düzce province. *Stenurella zehrae* Özdikmen et al., 2012 was described from Düzce province by this work.

KEY WORDS: Cerambycidae, Coleoptera, fauna, new records, Düzce, Turkey.

The research area of the present work covers Düzce province. Düzce is located at 39°51' North, 31°08' East coordinates. The average altitude is 160 m. It is placed in Western Black Sea Region. It is bounded by Black Sea in the North, Zonguldak province in the North-East, Bolu province in the East and South and Sakarya province in the West. Düzce province has 8 counties as Akçakoca, Cumayeri, Çilimli, Düzce (Central), Gölyaka, Gümüşova, Kaynaşlı and Yığılca. According to Düzce (Central), Akçakoca is in North, Yığılca is in North-East, Çilimli and Cumayeri are in North-West, Gümüşova is in West, Gölyaka is in South-East and Kaynaşlı is in South (Map 1).

The natural barriers constitute the borders of the province with other provinces: Sakarya and Melen streams in North-West, high levels of the Mountains in West and South. The Mountains in South are West to East Keremali, Elmacık, South Bolu and Sünnice.

Düzce province is reflected the features of landforms of Black Sea Region. The Mountains extend as parallel to Black Sea coast into Mountain range. Thus, there is no natural harbor in costal areas. From place to place cliffs and broadly beaches among them are existed. Continental shelf is narrow.

The Mountains appeared when formed Alp-Himalayas convolutions in Tersier era (third geological period) on the areas that formed in the Paleozoic era (first geological period). In due time, the Mountains again raised into a whole after erosion in the middle parts. North Anatolian Fault Line originated during the rising. This Line is in South of Düzce valley. The altitude of Mountains is decreased from East to West and from inner parts to Black Sea coast. The landforms behind the coast are into plateau. Height of the Mountains behind the coast does not surpass 2000 m. Kaplandede Mountain is 1160 m. Düzce valley that is in inner part, is surrounded by the Mountains completely. These Mountains extend into Mountain ranges in North and South of the valley. They close each other in East and West of the valley. Kaplandede Mountains and Orhan Mountains occur in North of the valley. The ranges in South are Keremali, Elmacık, South Bolu and Sünnice Mountains.

The important Mountain pass to Black Sea of the valley are Melen valley pass (Dokuz- Esmahanım) and Sarıbayır pass. Nüfren pass and Aksu valley pass in West, and Uğurdere (Derdin) pass in South are existed.

Efteni Lake is in approximately South-West of Düzce valley. The other Lakes are very minor lakes in Kaynaşlı. These are Kurugöl, Topuk lake in Bıçkıyanı

village, Islakgöl in border of Sarıçökek village and Yaylagöl.

The most important river is Melen. Melen river starts in the borders of Yiğilca. Uğur, Sığırılık, Samandere and Torkul streams in South, Asar stream in East, Aksu stream in West run down to Melen that falls into Black Sea in Melenagzi village in Akçakoca. Hasanlar Dam is on the river between Düzce and Yiğilca. The other are into a stream and they make a dense net. All run down to Black Sea. The important streams among them are Deredibi, Değirmendere and Küpler streams.

Düzce province has Black Sea climate. However, climate of the province also shows transition features between Mediterranean and Terrestrial climates.

The Black Sea vegetation can observe in virtually natural areas. Euro-Siberian and Submediterranean vegetations can also occur in the province. In Düzce valley, agricultural plants are produced. The forested lands are on the mountainous areas. They includes *Fagus*, *Pinus*, *Abies*, *Quercus*, *Carpinus*, *Castanea*, *Tilia* etc.. 47.95% of Düzce, 56.13% of Gümüşova, 65.99% of Gölyaka, 17.59% of Çilimli and 43.05% of Cumayeri are forested and shrubby areas. Maquis areas is only on coastal areas. The other vegetation of the province is step formations.



Map 1. Düzce province and its counties.

ARRANGEMENT OF INFORMATION

Information in the present text is given in the following order:

The subfamily and the tribe names are given simply.

For the genus and subgenus names, the type species are provided under the taxon names.

For each species, the whole subspecies are provided under the taxon names.

The data, **Material examined**, **Old records in Düzce**, **Records in Turkey**, **Remarks** and **Chorotype** under the title for each taxon is given.

Material examined. Material examined that is provided for some taxons covers the original records for Düzce province in Turkey. The most materials were collected from various localities in Düzce. They are deposited in Gazi University (Ankara).

The data under the title of Material examined are given according to the following outline as possible as:

Düzce⁽¹⁾; Yiğilca⁽²⁾, Küçükalan⁽³⁾, 14.VI.2009⁽⁴⁾, 2 specimens⁽⁵⁾ ⁽¹⁾ Administrative district (Province); ⁽²⁾ Town; ⁽³⁾ Village; ⁽⁴⁾ Collecting date (day/month/year); ⁽⁵⁾ Number of specimens).

Old records in Düzce. These parts include previous records that have been given by various authors in different literatures from Düzce. The whole records are evaluated with localities in related references. Each record is accompanied by the author's name and publication date of the related reference.

Records in Turkey. The abbreviations of the provinces and lands in Turkey are given in paranthesis. These parts include previous records that have been given by various authors in different literatures.

Remarks. In these parts, taxonomical and nomenclatural problems are discussed for some taxons and are given regional and general distribution range in Turkey chiefly.

Chorotype. The present zoogeographical characterization is based on the chorotype classification of Anatolian fauna, recently proposed by Vigna Taglianti et al. (1999). In the text, a possible chorotype description can be identified for each taxon. But this kind of description cannot be possible for some taxons, so two or more chorotypes are used for them.

ABBREVIATIONS OF THE PROVINCES AND LANDS IN TURKEY

ADANA (AD)	ELAZIĞ (EL)	MANİSA (MN)
ADIYAMAN (ADY)	ERZİNCAN (ER)	MARDİN (MR)
AFYON (AF)	ERZURUM (EZ)	MUĞLA (MG)
AĞRI (AG)	ESKİŞEHİR (ES)	MUŞ (MU)
AKSARAY (AK)	GAZİANTEP (GA)	NEVŞEHİR (NE)
AMASYA (AM)	GİRESUN (GI)	NİĞDE (NI)
ANKARA (AN)	GÜMÜŞHANE (GU)	ORDU (OR)
ANTALYA (ANT)	HAKKARİ (HA)	OSMANİYE (OS)
ARDAHAN (AR)	HATAY (HT)	RİZE (RI)
ARTVİN (ART)	İĞDIR (IG)	SAKARYA (SA)
AYDIN (AY)	ISPARTA (IP)	SAMSUN (SM)
BALIKESİR (BL)	İÇEL (IC)	SİİRT (SI)
BARTIN (BR)	İSTANBUL (IS)	SİNOP (SN)
BATMAN (BA)	İZMİR (IZ)	SİVAS (SV)
BAYBURT (BY)	KAHRAMANMARAŞ (KA)	ŞANLIURFA (SU)
BİLECİK (BI)	KARABÜK (KR)	ŞIRNAK (SK)
BİNGÖL (BN)	KARAMAN (KM)	TEKİRDAĞ (TE)
BİTLİS (BT)	KARS (KAR)	TOKAT (TO)
BOLU (BO)	KASTAMONU (KS)	TRABZON (TB)
BURDUR (BU)	KAYSERİ (KY)	TUNCELİ (TU)
BURSA (BS)	KIRIKKALE (KI)	UŞAK (US)
ÇANAĞKALE (CA)	KIRKLARELİ (KK)	VAN (VA)
ÇANKIRI (CN)	KİRŞEHİR (KIR)	YALOVA (YA)
ÇORUM (CO)	KİLİS (KL)	YOZGAT (YO)
DENİZLİ (DE)	KOCAELİ (KO)	ZONGULDAK (ZO)
DİYARBAKIR (DI)	KONYA (KN)	THRACIA (=EUROPEAN TUR.) (TRA)
DÜZCE (DU)	KÜTAHYA (KU)	TURKEY (TUR)
EDİRNE (ED)	MALATYA (MA)	

Family CERAMBYCIDAE**Subfamily PRIONINAE****Tribe ERGATINI*****Ergates faber faber* (Linnaeus, 1760)****Old records in Düzce prov.:** Çiçekli plateau (Defne, 1954).**Records in Turkey:** AN-ANT-ART-BO-BS-DU-KA-KO-KS-SN-TB-TRA-TUR**Remarks:** The species distributes rather widely in Turkey (especially in N Turkey). As seen above, it has been recorded only by Defne (1954) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.**Chorotype:** Turano-Europeo-Mediterranean.**Tribe RHEMPHANINI*****Rhaesus serricollis* (Motschulsky, 1838)****Old records in Düzce prov.:** Central (Özdikmen, 2007).**Records in Turkey:** AD-ANT-BI-BU-DE-HT-IC-IS-IZ- KA-KN-MG-OS-TRA-TUR**Remarks:** The species distributes rather widely in Turkey (especially in W half of Turkey). As seen above, it has been recorded only by Özdikmen (2007) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.**Chorotype:** E-Mediterranean.**Subfamily LEPTURINAE****Tribe RHAGIINI*****Rhagium bifasciatum* Fabricius, 1775****Material examined: Düzce:** Odayeri plateau road, 3 km to Odayeri plateau, 24.V.2011, 1 specimen.**Old records in Düzce prov.:** Çiçekli forest (Defne, 1954); Balıklı forest (Sekendiz, 1974); Düzce (Çanakçıoğlu, 1983).**Records in Turkey:** AM-ANT-ART-BO-BU-DU-EZ-GI-GU-IP-IS-KAR-KK-KO-KR-KS-NI-OR-RI-SA-SN-TB-ZO-TUR**Remarks:** The species distributes rather widely in Turkey (especially in N Turkey).**Chorotype:** E-Mediterranean.***Rhagium fasciculatum* Faldermann, 1837****Material examined: Düzce:** Odayeri plateau, 24.V.2011, 1 specimen; Odayeri plateau, 5 km to Çavulur plateau, 09.VI.2011, 1 specimen.**Records in Turkey:** ART-BO-GI-RI-SN-TB-TUR**Remarks:** The species distributes rather widely in N Turkey. This is the first record for Düzce province.**Chorotype:** SW-Asiatic (Anatolo-Caucasian).***Rhagium inquisitor inquisitor* (Linnaeus, 1758)****Material examined: Düzce:** Ganaj, 31.VII.2011, 1 specimen.**Old records in Düzce prov.:** Sakarca plateau env., Gökçeğağsuyu, Çiçekli (Gölcöküz), Samandere (Kapanca) and Öküzovası (Karaküner forest env.) (Defne, 1954); Central (Çanakçıoğlu, 1983).**Records in Turkey:** AM-AN-ANT-ART-BO-BS-BU-DU-EZ-GI-GU-IS-KAR-KR-KS-RI-OR-SA-SN-TB-TUR**Remarks:** The species distributes rather widely in Turkey (especially in N Turkey).**Chorotype:** Holarctic.***Dinoptera collaris* (Linnaeus, 1758)****Material examined: Düzce:** Çavuşur plateau, 09.VI.2011, 1 specimen.**Records in Turkey:** AM-AN-ANT-ART-BO-CN-EZ-HT-IC-IP-IS-KN-KO-KR-KS-OS-RI-TU-TUR

Remarks: The species distributes rather widely in Turkey. This is the first record for Düzce province.

Chorotype: Sibero-European.

***Cortodera flavimana* (Waltl, 1838)**

Material examined: Düzce: 10 km to Yiğilca, Aksu village, 23.V.2011, 1 specimen; Odayeri plateau road, 3 km to Odayeri plateau, 24.V.2011, 1 specimen; Odayeri plateau, 24.V.2011, 175 specimens; Torkul plateau, 24.V.2011, 5 specimens; Düzce-Boludağı, Taşaltı district, 05.VI.2011, 21 specimens; entry of Kaynaşlı (Beresteönü), 05.VI.2011, 1 specimen; Çavuşur plateau, 09.VI.2011, 26 specimens; 5 km to Çavulur plateau, 09.VI.2011, 3 specimens; Odayeri plateau, 09.VI.2011, 98 specimens; Konuralp, 19.VI.2011, 2 specimens.

Records in Turkey: AD-AF-AK-AN-ANT-ART-BO-BS-BY-CN-EZ-GU-IC-IP-IS-IZ-KA-KAR-KN-KO-KR-KS-KY-NI-RI-SM-SN-SV-TO-YO-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Turano-Mediterranean (Balkano-Anatolian).

Tribe LEPTURINI

***Vadonia unipunctata unipunctata* (Fabricius, 1787)**

Material examined: Düzce: Efteni Lake, 05.VI.2011, 1 specimen; Hasanlar Dam, Hasanlar-Yiğilca road, 18 km to Yiğilca, 08.VI.2011, 2 specimens; between Aydın village-Yiğilca, 1 km pass to Aydın village, 08.VI.2011, 3 specimens; entry of Kent forest, 08.VI.2011, 1 specimen; Beçi village, 08.VI.2011, 2 specimens; Beyköy road, Çınarlı village, 09.VI.2011, 1 specimen; Hasanlar Dam, Hasanlar village, 02.VII.2011, 1 specimen.

Records in Turkey: AF-AK-AM-AN-ANT-ART-BI-BN-BO-BT-BU-BY-CN-EL-EZ-IP-İZ-KA-KAR-KIR-KN-KO-KR-KS-KY-MA-NE-NI-OS-RI-SV-TO-TU-US-VA-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Turano-European or Turano-Europeo-Mediterranean.

***Pseudovadonia livida livida* (Fabricius, 1776)**

Material examined: Düzce: Entry of Gölyaka, 05.VI.2011, 12 specimens; Hasanlar Dam, Hasanlar-Yiğilca road, 18 km to Yiğilca, 08.VI.2011, 13 specimens; Kalcı Konutlar env., Nalbantöğlü, 19.VI.2011, 1 specimen; Kalcı Konutlar road, 19.VI.2011, 1 specimen; Yayla village, Boğaziçi district, 19.VI.2011, 11 specimens; Entry of Cumayeri, 20.VI.2011, 1 specimen; Entry of Çilimli, 20.VI.2011, 2 specimens; Çilimli, Şerefiye district, 20.VI.2011, 11 specimens; Beyköy, Samandere waterfall road, 24.VI.2011, 2 specimens; Samandere waterfall, 24.VI.2011, 8 specimens; Hasanlar Dam, Hasanlar village, 02.VII.2011, 1 specimen; Kent forest road, Düzce-Yiğilca road, 02.VII.2011, 12 specimens; Düzce-Güzeldere waterfall road, 7 km to Güzeldere, Güzeldere village, 03.VII.2011, 2 specimens; Güzeldere village, Hamamönü district, 03.VII.2011, 8 specimens; Hacı Yakup village, exit of Orta district, 03.VII.2011, 7 specimens.

Records in Turkey: ADY-AM-AN-ANT-ART-BI-BO-BR-BS-BT-BY-CN-ER-EZ-GA-GI-GU-HT-IC-IP-IS-IZ-KAR-KK-KN-KO-KR-KS-MN-NI-OR-OS-RI-SM-US-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Sibero-European + E-Mediterranean (Palaestino-Taurian).

***Anoplodera rufipes rufipes* (Schaller, 1783)**

Material examined: Düzce: 1.5 km pass to Beyköy, 24.V.2011, 1 specimen.

Records in Turkey: AN-BN-BO-BS-EZ-GU-HT-IC-KK-KS-OR-RI-TB-TUR

Remarks: The species probably distributes rather widely in Turkey. This is the first record for Düzce province.

Chorotype: Sibero-European.

***Stictoleptura rubra* (Linnaeus, 1758)**

Old records in Düzce prov.: Gökçe ağaç stream env. (Defne, 1954); Düzce (Erdem & Çanakçıoğlu, 1977; Çanakçıoğlu, 1983).

Records in Turkey: ANT-ART-BO-BU-DU-IS-KO-SA-SN-TUR

Remarks: The species probably distributes rather widely in Turkey. As seen above, it has been recorded only by Defne (1954), Erdem & Çanakçıoğlu (1977), Çanakçıoğlu (1983) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.

Chorotype: Palearctic (Sibero-European + N-Africa as *S. rubra numidica* (Peyerimhoff, 1917)).

***Stictoleptura fulva* (DeGeer, 1775)**

Material examined: Düzce: Hasanlar Dam, Hasanlar-Yığılca road, 18 km to Yığılca, 08.VI.2011, 1 specimen; Kalıcı Konutlar, Nalbantoğlu, 19.VI.2011, 1 specimen; Konuralp, 19.VI.2011, 5 specimens; Entry of Çilimli, 20.VI.2011, 7 specimens; Çilimli, Şerefiye district, 20.VI.2011, 2 specimens; Entry of Cumayeri, 20.VI.2011, 3 specimens; Hasanlar Dam, Hasanlar village, 02.VII.2011, 3 specimens; Kent forest road, Düzce-Yığılca road, 02.VII.2011, 12 specimens; Kent forest return, Yığılca-Düzce road, 03.VII.2011, 4 specimens.

Old records in Düzce prov.: Akçakoca (Konuralp) (Sama, 1982).

Records in Turkey: AD-ANT-ART-BO-BR-BS-DU-HT-IC-IP-IS-IZ-KA-KN-KO-KR-KS-MN-OS-TU-TUR

Remarks: The species distributes rather widely in Turkey.

Chorotype: European.

***Stictoleptura tonsa* (Daniel & Daniel, 1891)**

Material examined: Düzce: Beçi village, 02.VII.2011, 1 specimen.

Records in Turkey: AM-ART-BR-ER-EZ-GU-KAR-KO-OS-TB-TUR

Remarks: The species mostly distributes in N Turkey. This is the first record for Düzce province.

Chorotype: SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian).

***Judolia erratica erratica* (Dalman, 1817)**

Material examined: Düzce: Hasanlar Dam, Hasanlar-Yığılca road, 18 km to Yığılca, 08.VI.2011, 1 specimen; Kalıcı Konutlar, Nalbantoğlu, 19.VI.2011, 1 specimen; Yayla village, Boğaziçi district, 19.VI.2011, 1 specimen; Beyköy, Samandere waterfall road, 24.VI.2011, 6 specimens; Samandere village, 24.VI.2011, 5 specimens; Samandere waterfall, 24.VI.2011, 5 specimens; Düzce-Güzeldere waterfall road, 7 km to Güzeldere, Güzeldere village, 03.VII.2011, 11 specimens; Güzeldere waterfall env., 03.VII.2011, 5 specimens; Güzeldere village, Hamamönü district, 03.VII.2011, 27 specimens; Hacı Yakup village, exit of Orta district, 03.VII.2011, 35 specimens; Odayeri plateau, Gelik road return, 03.VII.2011, 1 specimen.

Records in Turkey: AF-AM-AN-ANT-ART-BI-BO-BR-BS-BT-CN-CO-EL-ER-EZ-GA-GU-HT-IP-IS-IZ-KAR-KK-KN-KO-KR-KS-MN-MU-RI-SM-SN-SV-TB-TO-TU-YO-ZO-TRA-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Sibero-European.

***Rutpela maculata nigricornis* (Stierlin, 1864)**

Material examined: Düzce: Güzeldere waterfall env., 03.VII.2011, 1 specimen; Güzeldere village, Hamamönü district, 03.VII.2011, 1 specimen; Hacı Yakup village, exit of Orta district, 03.VII.2011, 1 specimen.

Records in Turkey: AD-AM-ANT-ART-BL-BN-BO-BS-CA-CN-HT-IC-IS-KK-KN-KO-KS-MA-MU-OS-RI-SM-SN-SV-TB-TO-TU-VA-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: European.

***Stenurella bifasciata bifasciata* (Müller, 1776)**

Material examined: Düzce: Efteni gölü, 05.VI.2011, 1 örnek; Hasanlar barajı, Hasanlar-Yığılca yolu, Yığılca'ya 18 km kala, 08.VI.2011, 19 örnek; Beyköy yolu, Çınarlı köyü,

09.VI.2011, 1 örnek; Kalcı konutlar yolu üzeri, üst geçide gelmeden, 19.VI.2011, 3 örnek; Kalcı konutlar üzeri, Nalbantoğlu mesire alanı, 19.VI.2011, 5 örnek; Konuralp, 19.VI.2011, 1 örnek; Yayla köyü, Boğaziçi mevkii, 19.VI.2011, 29 örnek; Akçakoca limancık, 19.VI.2011, 3 örnek; Çilimli ilçesi girişi, 20.VI.2011, 4 örnek; Çilimli, Şerefiye mahallesi mezarlık yanı, 20.VI.2011, 11 örnek; Çilimli, Şön şelalesi yolu üzeri, 20.VI.2011, 2 örnek; Beyköy samandere şelalesi yolu üzeri, 24.VI.2011, 2 örnek; Samandere köyü, 24.VI.2011, 1 örnek; Samandere şelalesi, 24.VI.2011, 3 örnek; Hasanlar barajı, Hasanlar köyü, 02.VII.2011, 46 örnek; Kent ormanı yol ayırımı 100 m geçe, Düzce-Yığılca yolu, 02.VII.2011, 23 örnek; Beçi köyü, 02.VII.2011, 3 örnek; Düzce-Güzeldere şelalesi yolu, Güzeldere'ye 7 km kala, Güzeldere köyü, 03.VII.2011, 1 örnek; Güzeldere şelalesi çevresi, 03.VII.2011, 22 örnek; Güzeldere köyü, Hamamönü mahallesi, 03.VII.2011, 25 örnek; Güzeldere şelalesine çıkarken, Hacı Yakup köyüne bağlı Orta mahallesi çıkışı, 03.VII.2011, 30 örnek; Kent ormanı yol ayırımı, Yığılca-Düzce yolu, 03.VII.2011, 37 örnek; Kent ormanı girişi (Yığılca tarafından), 08.VI.2011, 7 örnek.

Records in Turkey: AD-AF-AK-AM-AN-ANT-ART-BI-BN-BO-BR-BS-BT-BU-CA-CN-CO-ER-EZ-GA-GU-HT-IC-IZ-KA-KK-KN-KO-KR-KS-KY-MG-MN-NE-OS-RI-SM-TB-US-YA-YO-ZO-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Sibero-European + SW-Asiatic.

Stenurella melanura (Linnaeus, 1758)

Material examined: Düzce: Kent forest return, Düzce-Yığılca road, 02.VII.2011, 1 specimen; Güzeldere village, Hamamönü district, 03.VII.2011, 4 specimens; Hacı Yakup village, exit of Orta district, 03.VII.2011, 5 specimens.

Old records in Düzce prov.: Konuralp-Akçakoca (Sama, 1982).

Records in Turkey: ART-ART-BS-CA-DU-IS-IZ-KO-KS-OR-TUR

Remarks: The species probably distributes rather widely in Turkey (especially N and W Turkey).

Chorotype: Sibero-European.

Stenurella nigra (Linnaeus, 1758)

Material examined: Düzce: Hasanlar Dam env., 23.V.2011, 1 specimen; Hasanlar Dam, Hasanlar-Yığılca road, 18 km to Yığılca, 08.VI.2011, 13 specimens; between Aydın village-Yığılca, 1 km pass to Aydın village, 08.VI.2011, 4 specimens; Hasanlar Dam, 09.VI.2011, 2 specimens; Kalcı Konutlar, Nalbantoğlu, 19.VI.2011, 2 specimens; Yayla village, Boğaziçi district, 19.VI.2011, 14 specimens.

Old records in Düzce prov.: Kaynaşlı (Tauzin, 2000).

Records in Turkey: ART-BO-DU-IS-KO-KR-ZO-TUR

Remarks: The species distributes rather widely in N Turkey.

Chorotype: European.

Stenurella septempunctata latenigra (Pic, 1915)

Material examined: Düzce: Hasanlar Dam, Hasanlar-Yığılca road, 18 km to Yığılca, 08.VI.2011, 15 specimens; between Aydın village-Yığılca, 1 km pass to Aydın village, 08.VI.2011, 3 specimens; Kalcı Konutlar, Nalbantoğlu, 19.VI.2011, 15 specimens; Çilimli, Şön waterfall road, 20.VI.2011, 3 specimens; Beyköy, Samandere waterfall road, 24.VI.2011, 7 specimens; Samandere vilage, 24.VI.2011, 2 specimens; Düzce-Güzeldere waterfall road, 7 km to Güzeldere, Güzeldere village, 03.VII.2011, 2 specimens; Güzeldere village, Hamamönü district, 03.VII.2011, 8 specimens; Hacı Yakup village, exit of Orta district, 03.VII.2011, 6 specimens; Kent forest return, Yığılca-Düzce road, 03.VII.2011, 1 specimen.

Records in Turkey: AF-AM-AN-ART-BI-BO-BS-CA-EZ-GU-IS-IZ-KK-KO-KR-KS-OR-RI-SM-TO-TB-YA-YO-ZO-TUR

Remarks: The species distributes rather widely in Turkey (especially in N Turkey). However, this is the first record for Düzce province.

Chorotype: Turano-European.

***Stenurella zehrae* Özdikmen, Mercan & Cihan, 2012**

Material examined: Düzce: Holotype ♂: Hacı Yakup village, Orta district, N 40 45 E 31 02, 03.VII.2011 on *Anthemis* sp.. Allotype ♀: Hamamönü village, Dere district, N 40 45 E 31 02, 03.VII.2011 on *Anthemis* sp.. Paratype: 1 ♂: same data like the holotype.

Remarks: The species was described on the base of the specimens in this work.

Chorotype: Anatolian.

Subfamily ASEMINAE**Tribe ASEMINI*****Tetropium castaneum* (Linnaeus, 1758)**

Old records in Düzce prov.: Çiçekli forest (Defne, 1954).

Records in Turkey: ART-BO-DU-ZO-TUR

Remarks: The species probably distributes only in N Turkey. As seen above, it has been recorded only by Defne (1954) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.

Chorotype: Sibero-European.

Subfamily CERAMBYCINAE**Tribe HESPEROPHANINI*****Trichoferus holosericeus* (Rossi, 1790)**

Old records in Düzce prov.: Akçakoca (Adlbauer, 1992).

Records in Turkey: AY-DU-IS-IZ-TUR

Remarks: The species probably distributes in N and W Turkey. As seen above, it has been recorded only by Adlbauer (1992) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.

Chorotype: SW-Asiatic + N-Africa.

Tribe CERAMBYCINI***Cerambyx cerdo cerdo* Linnaeus, 1758**

Material examined: Düzce: 10 km to Yiğilca, Aksu village, 23.V.2011, 1 specimen.

Records in Turkey: AD-ADY-AN-ANT-ART-BN-BR-BS-CA-DE-HT-IC-IS-IZ-KA-KK-KN-KO-KS-KY-MG-MN-MU-NI-OS-SA-SK-SM-SN-TU-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Turano-Europeo-Mediterranean.

***Cerambyx scopoli* Fuessly, 1775**

Material examined: Düzce: Çoban, 30.IV.2011, 1 specimen.

Records in Turkey: ANT-ART-BN-BO-ED-HT-IC-IS-KAR-KK-NI-OS-RI-SA-SM-SN-TB-TO-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: European.

Tribe CALLICHROMATINI***Aromia moschata ambrosiaca* Steven, 1809**

Material examined: Düzce: Central, 2011, 1 specimen.

Records in Turkey: AD-ADY-AN-ANT-ART-AY-BI-BL-BN-BS-BU-CA-EZ-IC-IP-IS-IZ-KA-KN-KO-MN-OS-SM-TO-TU-YO-TRA-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Palearctic.

Tribe HYLOTRUPINI***Hylotrupes bajulus* (Linnaeus, 1758)**

Old records in Düzce prov.: Nüfren wood store (Defne, 1954); Çiçekli (Öymen, 1987).

Records in Turkey: AD-AM-AN-ANT-ART-AY-BI-BO-BR-BS-CA-DE-DU-ER-EZ-GI-GU-HT-IC-IP-IS-IZ-KA-KAR-KN-KR-KS-KU-KY-OS-RI-SN-SV-US-TB-ZO-TRA-TUR

Remarks: The species distributes widely in Turkey. As seen above, it has been recorded only by Defne (1954), Çiçekli (Öymen, 1987) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.

Chorotype: Subcosmopolitan.

Tribe CALLIDIINI***Phymatodes testaceus* (Linnaeus, 1758)**

Material examined: Düzce: Yiğilca road, Paşabükü wood store, 02.VII.2011, 2 specimens.

Records in Turkey: ADY-ANT-ART-BN-BO-CA-GU-HT-IC-IS-NI-OS-TRA-TUR

Remarks: The species probably distributes rather widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Holarctic.

Tribe ANAGLYPTINI***Paraclytus sexguttatus* (Adams, 1817)**

Material examined: Düzce: Odayeri plateau road, 3 km to Odayeri plateau, 24.V.2011, 1 specimen.

Records in Turkey: ART-BO-KK-TUR

Remarks: The species probably distributes only in N Turkey. However, this is the first record for Düzce province.

Chorotype: Turano-Mediterranean (Turano-Balkan).

Tribe CLYTINI***Plagionotus arcuatus* (Linnaeus, 1758)**

Old records in Düzce prov.: Central (Öymen, 1987).

Records in Turkey: ART-BI-BN-CA-DU-IP-IS-KS-MU-OS-SM-TO-TRA-TUR

Remarks: The species distributes rather widely in Turkey. As seen above, it has been recorded only by Öymen (1987) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.

Chorotype: W-Palearctic.

***Chlorophorus sartor* (Müller, 1766)**

Material examined: Düzce: Hasanlar Dam, Hasanlar village, 02.VII.2011, 44 specimens; Kent forest return, Düzce-Yiğilca road, 02.VII.2011, 4 specimens, 03.VII.2011, 14 specimens; Hasanlar Dam, 30.VII.2011, 4 specimens; Düzce-Gölyaka road, 10 km pass to Düzce, 31.VII.2011, 1 specimen; Gölyaka-Düzce road, 2 km pass to Gölyaka, 31.VII.2011, 1 specimens.

Records in Turkey: AD-AM-AN-ANT-ART-AY-BI-BL-BR-BS-BU-CA-CN-DE-EL-ES-EZ-GA-GU-HT-IC-IP-IS-IZ-KA-KK-KN-KR-KS-KY-MG-MN-OS-RI-SM-SN-TE-TO-YO-TRA-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Turano-European.

***Chlorophorus varius varius* (Müller, 1766)**

Material examined: Düzce: Hasanlar Dam, Hasanlar village, 02.VII.2011, 1 specimen; Hasanlar Dam, 30.VII.2011, 36 specimens; Düzce-Gölyaka road, 10 km pass to Düzce, 31.VII.2011, 6 specimens; Gölyaka-Düzce road, 2 km pass to Gölyaka, 31.VII.2011, 5 specimens.

Records in Turkey: AD-ADY-AK-AM-AN-ANT-ART-AY-BI-BL-BO-BR-BU-CA-CN-DE-ER-ES-EZ-GA-GU-HA-HT-IC-IG-IP-IS-IZ-KA-KI-KIR-KK-KM-KN-KO-KR-KS-KY-MA-MG-MN-MR-MU-NE-NI-OS-SU-TB-TO-TU-US-VA-ZO-TRA-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Palearctic.

***Rusticolytus rusticus* (Linnaeus, 1758)**

Material examined: Düzce: Campus of Düzce University and Beçi village, 15.V.2011, 2 specimens.

Old records in Düzce prov.: Central (Öymen, 1987).

Records in Turkey: AN-ANT-ART-BO-BU-CN-DU-ES-IS-IZ-KAR-KK-KN-KO-KS-KY-MU-SA-SM-TO-TU-TUR

Remarks: The species probably distributes rather widely in Turkey.

Chorotype: Palearctic.

***Clytus arietis arietis* (Linnaeus, 1758)**

Material examined: Düzce: Beyköy-Samandere şelalesi yolu üzeri, 24.VI.2011, 1 örnek; Samandere köyü, 24.VI.2011, 1 örnek.

Old records in Düzce prov.: Yiğilca (Özdikmen, 2007).

Records in Turkey: AM-AN-ART-BO-EZ-GU-IS-KO-KS-TB-ZO-TRA-TUR

Remarks: The species probably distributes rather widely in N Turkey.

Chorotype: European.

***Clytus rhamni temesiensis* (Germar, 1824)**

Material examined: Düzce: Hasanlar Dam, Hasanlar-Yiğilca road, 18 km to Yiğilca, 08.VI.2011, 7 specimens; Entry of Kent forest, 08.VI.2011, 3 specimens; Kalcı Konutlar, Nalbantoğlu, 19.VI.2011, 8 specimens; Entry of Çilimli, 20.VI.2011, 1 specimen; Çilimli, Şerefiye district, 20.VI.2011, 1 specimen; Beyköy, Samandere waterfall road, 24.VI.2011, 1 specimen; Hasanlar Dam, Hasanlar village, 02.VII.2011, 15 specimens; Kent forest return, Düzce-Yiğilca road, 02.VII.2011, 18 specimens; Beçi village, 02.VII.2011, 2 specimens; Kent forest return, Yiğilca-Düzce road, 03.VII.2011, 38 specimens.

Records in Turkey: AD-ADY-AM-AN-ANT-ART-BI-BO-BT-BY-CA-EL-GA-GU-HT-IC-IP-IS-IZ-KA-KN-KO-KR-KS-KY-OS-SN-SV-TO-TU-YA-YO-TRA-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: European.

Subfamily STENOPTERINAE

Tribe STENOPTERINI

***Stenopterus flavicornis* Küster, 1846**

Material examined: Düzce: Çilimli girişi, 20.VI.2011, 4 örnek.

Records in Turkey: ANT-HA-HT-IZ-KN-TRA-TUR

Remarks: The species probably distributes rather widely mostly in W and S Turkey. However, this is the first record for Düzce province.

Chorotype: E-Mediterranean.

***Stenopterus rufus geniculatus* Kraatz, 1863**

Material examined: Düzce: Hasanlar Dam, Hasanlar-Yiğilca road, 18 km to Yiğilca, 08.VI.2011, 10 specimens; Beyköy road, Çınarlı village, 09.VI.2011, 1 specimen; Konuralp, 19.VI.2011, 3 specimens; Yayla village, Boğaziçi district, 19.VI.2011, 2 specimens; Entry of Çilimli, 20.VI.2011, 3 specimens; Çilimli, Şerefiye district, 20.VI.2011, 7 specimens; Beyköy, Samandere waterfall road, 24.VI.2011, 1 specimen; Samandere village, 24.VI.2011, 1 specimen; Samandere waterfall, 24.VI.2011, 1 specimen; Hasanlar Dam, Hasanlar village, 02.VII.2011, 44 specimens; Güzeldere village, Hamamönü district, 03.VII.2011, 8 specimens; Hacı Yakup village, exit of Orta district, 03.VII.2011, 3 specimens; Kent forest return, Yiğilca-Düzce road, 03.VII.2011, 10 specimens.

Records in Turkey: ADY-AM-AN-ANT-ART-BI-BO-BR-BS-CA-CN-CO-EZ-GA-GU-HT-IC-IS-IZ-KA-KK-KN-KO-KR-KS-KY-MN-MU-NI-OR-OS-RI-SM-SN-TB-TO-TU-YO-TRA-TUR

Remarks: The species distributes widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Turano-European.

Tribe MOLORCHINI

***Molorchus minor minor* (Linnaeus, 1758)**

Material examined: Düzce: Efteni Lake, 05.VI.2011, 1 specimen; Çavuşur plateau, 09.VI.2011, 1 specimen; Odayeri plateau, Gelik road return, 03.VII.2011, 2 specimens.

Records in Turkey: ANT-BI-BO-BS-BU-GI-IC-KS-NI-TUR

Remarks: The species probably distributes rather widely in Turkey. This is the first record for Düzce province.

Chorotype: Sibero-European.

Subfamily DORCADIONINAE

Tribe DORCADIONINI

***Dorcadion rufoapicale* Breuning, 1943**

Material examined: Düzce: Düzce University, 15.VI.2011, 1 specimen.

Records in Turkey: AN-BY-GI-RI-SV-TUR

Remarks: The species probably distributes rather widely only in N Turkey. This is the first record for Düzce province.

Chorotype: Anatolian.

***Dorcadion septemlineatum abanti* Braun, 1976**

Material examined: Düzce: Campus of Beçi, 22.VI.2011, 1 specimen; Kalcı Konutlar, 18.V.2011, 1 specimen; Beçi, 25.V.2011, 1 specimen; Sıralak env., 29.V.2011, 1 specimen.

Records in Turkey: AF-AN-BI-BL-BO-BS-BU-CA-ES-GA-IP-IS-KN-KO-KR-KU-SA-TRA-TUR

Remarks: The species probably distributes rather widely in Turkey. This is the first record for Düzce province.

Chorotype: Turano-Mediterranean (Balkano-Anatolian).

***Dorcadion triste* Frivaldzsky, 1845**

Material examined: Düzce: Kalcı Konutlar, 16.V.2011 and 07.VI.2011, 2 specimens; Kent forest road return, 22.V.2011, 2 specimens; Kent forest, 23.V.2011, 1 specimen.

Records in Turkey: ANT-BL-BS-IZ

Remarks: The species probably distributes rather widely in W half of Turkey. This is the first record for Düzce province.

Chorotype: Anatolian.

Subfamily LAMIINAE

Tribe MESOSINI

***Mesosa curculionoides* (Linnaeus, 1761)**

Material examined: Düzce: Central, 02.VI.2011, 1 specimen.

Records in Turkey: ANT-TO-TRA-TUR

Remarks: The species probably distributes rather widely at least in W half of Turkey. This is the first record for Düzce province and thereby Western Black Sea Region in Turkey.

Chorotype: European.

Tribe LAMIINI

***Morimus funereus* Mulsant, 1862**

Old records in Düzce prov.: Akçakoca (Adlbauer, 1992).

Records in Turkey: AM-AN-ANT-BI-BO-BR-BS-BU-CA-DU-ES-KK-KO-KR-TO-TUR

Remarks: The species probably distributes rather widely in Turkey. As seen above, it has been recorded only by Adlbauer (1992) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.

Chorotype: Turano-European (Ponto-Pannonian).

***Morimus orientalis* Reitter, 1894**

Material examined: Düzce: Beyköy wood store, Samandere waterfall road, 24.V.2011, 1 specimen; Kalcı Konutlar, 31.V.2011, 1 specimen; 5 km to Çavulur plateau, 09.VI.2011, 1 specimen; Odayeri plateau, Gelik road return, 03.VII.2011, 1 specimen; Ganaj, 31.VII.2011, 1 specimen; Güzeldere waterfall env., 31.VII.2011, 1 specimen.

Records in Turkey: EZ-IS-SA-TRA-TUR

Remarks: The species probably distributes rather widely at least in N Turkey. This is the first record for Düzce province and thereby Black Sea Region in Turkey.

Chorotype: Turano-Mediterranean (Balkano-Anatolian).

Tribe ACANTHOCININI

***Acanthocinus aedilis* (Linnaeus, 1758)**

Material examined: Düzce: Beçi village, 2011, 1 specimen.

Records in Turkey: AM-AN-ANT-ART-BI-BL-BO-BS-CA-DE-ES-EZ-GI-GU-IP-IZ-KAR-KR-KS-KU-MG-SN-TO-TRA-TUR

Remarks: The species probably distributes rather widely in Turkey. This is the first record for Düzce province.

Chorotype: Sibero-European.

Tribe SAPERDINI

***Saperda populnea* (Linnaeus, 1758)**

Old records in Düzce prov.: Düzce (Sekendiz, 1974).

Records in Turkey: ART-BL-BO-BS-BT-BU-BY-CA-DE-DU-ED-ER-GI-GU-HT-IS-IZ-KA-KN-KO-KY-MN-MU-SA-SM-SN-TB-VA-YO-ZO-TUR

Remarks: The species probably distributes rather widely in Turkey. As seen above, it has been recorded only by Sekendiz (1974) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.

Chorotype: Sibero-European + Nearctic.

Tribe PHYTOECIINI

***Oberea erythrocephala amanica* Holzschuh, 1993**

Material examined: Düzce: Beçi village, 08.VI.2011, 3 specimens; between Aydın village-Yığılca, 1 km pass to Aydın village, 08.VI.2011, 5 specimens; Hasanlar Dam, Hasanlar-Yığılca road, 18 km to Yığılca, 08.VI.2011, 2 specimens; Kent forest return, Düzce-Yığılca road, 02.VII.2011, 1 specimen.

Records in Turkey: AF-AM-AN-ANT-ART-BY-CO-ER-EZ-GU-IS-KA-KAR-KO-KS-NI-OS-SV-VA-TRA-TUR

Remarks: The species distributes widely in Turkey. This is the first record for Düzce province.

Chorotype: Palearctic.

***Phytoecia praetextata praetextata* (Steven, 1817)**

Material examined: Düzce: Beyköy, Samandere waterfall road, 24.VI.2011, 1 specimen; Samandere village, 24.VI.2011, 1 specimen; Düzce-Güzeldere waterfall road, 7 km to Güzeldere, Güzeldere village, 03.VII.2011, 3 specimens.

Old records in Düzce prov.: Akçaören köyü, Yığılca (Özdikmen, 2007).

Records in Turkey: AD-AN-BO-BY-DU-ER-EZ-HT-IC-KS-SV-ZO-TUR

Remarks: The species probably distributes rather widely in Turkey.

Chorotype: Turano-Mediterranean (Turano-Balkan).

***Phytoecia caerulea caerulea* (Scopoli, 1772)**

Old records in Düzce prov.: Yiğilca (Gavur Pınarı, İğneler–Dibektaş), Yiğilca (Karakas village) (Özdikmen, 2007).

Records in Turkey: AD-AF-AK-AN-ANT-AY-BI-BO-BS-BU-DE-DU-ER-ES-EZ-GA-HT-IC-IP-IS-IZ-KA-KM-KN-KR-KS-KU-KY-MG-MN-NE-NI-OS-SM-SN-SV-TE-YO-TRA-TUR

Remarks: The species probably distributes rather widely in Turkey. As seen above, it has been recorded only by Özdikmen (2007) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.

Chorotype: Turano-European.

***Phytoecia cylindrica* (Linnaeus, 1758)**

Material examined: Düzce: Kalcı Konutlar road, 19.VI.2011, 2 specimens.

Records in Turkey: AN-IS-IZ-KA-KO-KS-KY-NI-TU-TRA-TUR

Remarks: The species probably distributes widely in Turkey. This is the first record for Düzce province.

Chorotype: Sibero-European.

***Phytoecia icterica* (Schaller, 1783)**

Material examined: Düzce: Düzce-Boludağı, Taşaltı district, 05.VI.2011, 1 specimen.

Records in Turkey: AF-AN-ANT-BO-BT-BY-CO-EZ-GA-HT-IS-KA-KAR-KL-KN-KS-KU-OS-YO-TRA-TUR

Remarks: The species probably distributes rather widely in Turkey. This is the first record for Düzce province.

Chorotype: Turano-European.

***Phytoecia pustulata pustulata* (Schrank, 1776)**

Old records in Düzce prov.: Yiğilca (exit of Dutlar village) (Özdikmen, 2007).

Records in Turkey: AM-BI-BO-BU-DU-GU-IS-KA-KAR-KN-MG-OS-SM-SV-TRA-TUR

Remarks: The species probably distributes rather widely in Turkey. As seen above, it has been recorded only by Özdikmen (2007) from Düzce province until now. Unfortunately, any specimen of the species did not obtain from Düzce.

Chorotype: Turano-European.

***Phytoecia coerulescens* (Scopoli, 1763)**

Material examined: Düzce: Beçi village, 18.V.2011, 1 specimen; exit of Aydın village, Yiğilca road, 23.V.2011, 2 specimens; Entry of Kaynaşlı (Beresteönü), 05.VI.2011, 2 specimens; Hasanlar Dam, Hasanlar-Yiğilca road, 18 km to Yiğilca, 08.VI.2011, 4 specimens; Hasanlar Dam, 09.VI.2011, 6 specimens; Samandere village, 24.VI.2011, 2 specimens; Beyköy, Samandere waterfall road, 24.VI.2011, 1 specimen; Samandere waterfall, 24.VI.2011, 1 specimen; Hasanlar Dam, Hasanlar village, 02.VII.2011, 1 specimen; Kent forest return, Düzce-Yiğilca road, 02.VII.2011, 1 specimen.

Records in Turkey: AD-ADY-AK-AM-AN-ANT-AR-ART-AY-BO-BS-BU-BY-CN-CO-DE-DI-ER-ES-EZ-GA-GU-IC-IP-IS-IZ-KA-KAR-KIR-KK-KM-KN-KS-KY-MA-MG-MN-NE-NI-OS-SM-SN-SV-TB-YO-ZO-TRA-TUR

Remarks: The species distributes very widely in Turkey. However, this is the first record for Düzce province.

Chorotype: Palearctic.

Tribe AGAPANTHIINI***Agapanthia villosviridescens* (DeGeer, 1775)**

Material examined: Düzce: Samandere village, 24.VI.2011, 1 specimen.

Records in Turkey: AF-AN-AY-BS-DE-ED-EZ-HA-IP-KA-SA-TRA-TUR

Remarks: The species probably distributes rather widely in Turkey. This is the first record for Düzce province and thereby Black Sea Region in Turkey.

Chorotype: Sibero-European.

Agapanthia violacea (Fabricius, 1775)

Material examined: **Düzce:** Hasanlar Dam env., 23.V.2011, 9 specimens; Hasanlar-Yığılca road, 18 km to Yığılca, 23.05.2011, 1 specimen; Düzce-Boludağı, Taşaltı district, 05.VI.2011, 1 specimen; Hasanlar Dam, Hasanlar-Yığılca road, 18 km to Yığılca, 08.VI.2011, 5 specimens; Hasanlar Dam, 09.VI.2011, 2 specimens; Samandere village, 24.VI.2011, 1 specimen; Hasanlar Dam, Hasanlar village, 02.VII.2011, 1 specimen; Kent forest return, Düzce-Yığılca road, 02.VII.2011, 1 specimen, 03.VII.2011, 1 specimen.

Old records in Düzce prov.: Yığılca (Aydın village – Dutlar village), Yığılca (Karakaş village) (Özdikmen, 2007).

Records in Turkey: AD-AF-AK-AN-BI-BO-BS-CO-DE-DU-ED-ER-EZ-GA-HT-IC-IP-IS-IZ-KA-KIR-KK-KN-KO-KR-KS-KY-MG-MN-NE-NI-OS-SA-ZO-TRA-TUR

Remarks: The species distributes widely in Turkey.

Chorotype: Sibero-European.

Consequently, according to old references, the longhorned beetles fauna of Düzce province included only 17 species of 15 genera of 5 subfamilies: **Prioninae:** 2 species as *Ergates faber* and *Rhaesus serricollis*; **Lepturinae:** 5 species as *Rhagium bifasciatum*, *Rhagium inquisitor*, *Stictoleptura rubra*, *Stenurella melanura* and *Stenurella nigra*; **Aseminae:** 1 species as *Tetropium castaneum*; **Cerambycinae:** 5 species as *Trichoferus holosericeus*, *Hylotrupes bajulus*, *Plagionotus arcuatus*, *Rusticoclytus rusticus* and *Clytus arietis*; and **Lamiinae:** 6 species as *Morimus funereus*, *Saperda populnea*, *Phytoecia praetextata*, *Phytoecia caerulea*, *Phytoecia pustulata* ve *Agapanthia violacea*.

With the present work, 43 species of 26 genera of 5 subfamilies among the collected specimens from Düzce province were determined: **Lepturinae:** 17 species as *Rhagium bifasciatum*, *Rhagium fasciculatum*, *Rhagium inquisitor*, *Dinoptera collaris*, *Cortodera flavimana*, *Vadonia unipunctata*, *Pseudovadonia livida*, *Anoplodera rufipes*, *Stictoleptura fulva*, *Stictoleptura tonsa*, *Judolia erratica*, *Rutpela maculata*, *Stenurella bifasciata*, *Stenurella melanura*, *Stenurella nigra*, *Stenurella septempunctata* and *Stenurella zehrae*; **Cerambycinae:** 10 species as *Cerambyx cerdo*, *Cerambyx scopoli*, *Aromia moschata*, *Phymatodes testaceus*, *Paraclytus sexguttatus*, *Chlorophorus sartor*, *Chlorophorus varius*, *Rusticoclytus rusticus*, *Clytus arietis* and *Clytus rhamni*; **Stenopterinae:** 3 species as *Stenopterus flavicornis*, *Stenopterus rufus* and *Molorcus minor*; **Dorcadioninae:** 3 species as *Dorcadion rufoapicale*, *Dorcadion septemlineatum* ve *Dorcadion triste*; **Lamiinae:** 10 species as *Mesosa curculionoides*, *Morimus orientalis*, *Acanthocinus aedilis*, *Oberea linearis*, *Phytoecia praetextata*, *Phytoecia cylindrica*, *Phytoecia icterica*, *Phytoecia coerulescens*, *Agapanthia villosoviridescens* and *Agapanthia violacea*.

Therefore, 11 species of 10 genera of 5 subfamilies for Düzce province are known only the records from references: **Prioninae:** 2 species as *Ergates faber* and *Rhaesus serricollis*; **Lepturinae:** 1 species as *Stictoleptura rubra*; **Aseminae:** 1 species as *Tetropium castaneum*; **Cerambycinae:** 3 species as *Trichoferus holosericeus*, *Hylotrupes bajulus* and *Plagionotus arcuatus*; and **Lamiinae:** 4 species as *Morimus funereus*, *Saperda populnea*, *Phytoecia caerulea* and *Phytoecia pustulata*.

A total of 34 species are new records for Düzce province. Moreover, *Mesosa curculionoides* is the first record for Western Black Sea Region of Turkey and also *Morimus orientalis* and *Agapanthia villosoviridescens* are the first record for Black Sea Region of Turkey.

Zoogeographically, dominant chorotype for the longhorned beetles fauna of Düzce province is Sibero-European (22.22%). The species that have Turano-European (14.81%) and European (13.00%) chorotypes, follow it. Also, the species that have Palearctic (11.11%) and Turano-Mediterranean (9.26%) chorotypes,

make important contributions. The species that have the other chorotypes, are represented by a ratio less than 10% in Düzce province. The ratio of endemism for Düzce province is 5.55%.

Finally, Longhorned Beetles Fauna of Düzce province comprises of 54 species of 33 genera of 7 subfamilies with the newly recorded species in the present work. Number of known species from Düzce province was increased from 17 species to 54 species.

A faunistic list are presented as follows:

In the list, the sign of (*) is used for known taxa both references and the present work, (**) is used for new records to Düzce prov., (***) is used for new record to Western Black Sea Region, (****) is used for new records to Black Sea Region of Turkey. Any sign is not used for the known species only from old references.

LONGHORNED BEETLES FAUNA OF DÜZCE PROVINCE **(COLEOPTERA: CERAMBYCIDAE)**

FAMILY CERAMBYCIDAE Latreille, 1802: 211

SUBFAMILY PRIONINAE Latreille, 1802: 212

TRIBE ERGATINI Fairmaire, 1864: 117

GENUS *ERGATES* Audinet-Serville, 1832: 143

SPECIES *E. faber* (Linnaeus, 1760: 187)

SUBSPECIES *E. f. faber* (Linnaeus, 1760: 187)

TRIBE REMPHANINI Lacordaire, 1868: 103

SUBTRIBE REMPHANINA Lacordaire, 1868: 103

GENUS *RHAESUS* Motschulsky, 1875: 153 [RN]

SPECIES *R. serricollis* (Motschulsky, 1838: 187)

SUBFAMILY LEPTURINAE Latreille, 1802: 218

TRIBE RHAGIINI Kirby, 1837: 178

GENUS *RHAGIUM* Fabricius, 1775: 182

SUBGENUS *HAGRIUM* Villiers, 1978: 85

SPECIES *R. bifasciatum* Fabricius, 1775: 183 (*)

SUBGENUS *MEGARHAGIUM* Reitter, 1913: 6

SPECIES *R. fasciculatum* Faldermann, 1837: 304 (**)

SUBGENUS *RHAGIUM* Fabricius, 1775: 182

SPECIES *R. inquisitor* (Linnaeus, 1758: 393) (*)

SUBSPECIES *R. i. inquisitor* (Linnaeus, 1758: 393) (*)

GENUS *DINOPTERA* Mulsant, 1863: 494

SUBGENUS *DINOPTERA* Mulsant, 1863: 494

SPECIES *D. collaris* (Linnaeus, 1758: 398) (**)

GENUS *CORTODERA* Mulsant, 1863: 572

SPECIES *C. flavimana* (Waltl, 1838: 471) (**)

TRIBE LEPTURINI Latreille, 1802: 218

GENUS *VADONIA* Mulsant, 1863: 559

SPECIES *V. unipunctata* (Fabricius, 1787: 157) (**)

SUBSPECIES *V. u. unipunctata* (Fabricius, 1787: 157) (**)

GENUS *PSEUDOVARONIA* Lobanov, Danilevsky & Murzin, 1981: 787

SPECIES *P. livida* (Fabricius, 1777: 233) (**)

SUBSPECIES *P. l. livida* (Fabricius, 1777: 233) (**)

GENUS *ANOPLODERA* Mulsant, 1839: 285

SUBGENUS *ANOPLODERA* Mulsant, 1839: 285

SPECIES *A. rufipes* (Schaller, 1783: 296) (**)

SUBSPECIES *A. r. rufipes* (Schaller, 1783: 296) (**)

- GENUS STICTOLEPTURA** Casey, 1924: 280
SUBGENUS AREDOLPONA Nakane & Ohbayashi, 1957: 244
SPECIES *S. rubra* (Linnaeus, 1758: 398)
SUBSPECIES *S. r. rubra* (Linnaeus, 1758: 398)
SUBGENUS STICTOLEPTURA Casey, 1924: 280
SPECIES *S. fulva* (DeGeer, 1775: 137) (*)
SPECIES *S. tonsa* (Daniel & Daniel, 1891: 31) (**)
GENUS JUDOLIA Mulsant, 1863: 496
SPECIES *J. erratica* (Dalman, 1817: 490) (**)
SUBSPECIES *J. e. erratica* (Dalman, 1817: 490) (**)
GENUS RUTPELA Nakani & Ohbayashi, 1957: 242
SPECIES *R. maculata* (Poda, 1761: 37) (**)
SUBSPECIES *R. m. nigricornis* (Stierlin, 1864: 153) (**)
GENUS STENURELLA Villiers, 1974: 217
SPECIES *S. bifasciata* (Müller, 1776: 93) (**)
SUBSPECIES *S. b. bifasciata* (Müller, 1776: 93) (**)
SPECIES *S. melanura* (Linnaeus, 1758: 397) (*)
SPECIES *S. nigra* (Linnaeus, 1758: 398) (*)
SPECIES *S. septempunctata* (Fabricius, 1792: 346) (**)
SUBSPECIES *S. s. latenigra* (Pic, 1915: 5) (**)
SPECIES *S. zehrae* Özdikmen, Mercan & Cihan, 2012: 18 (**)

SUBFAMILY ASEMINAE Thomson, 1861: 139**TRIBE ASEMINI** Thomson, 1861**GENUS TETROPIUM** Kirby, 1837: 174**SPECIES** *T. castaneum* (Linnaeus, 1758: 396)**SUBFAMILY CERAMBYCINAE Latreille, 1802: 211****TRIBE HESPEROPHANINI** Mulsant, 1839: 61**SUBTRIBE HESPEROPHANINA** Mulsant, 1839: 61**GENUS TRICHOFERUS** Wollaston, 1854: 427**SPECIES** *T. holosericeus* (Rossi, 1790: 153)**TRIBE CERAMBYCINI** Latreille, 1802: 211**SUBTRIBE CERAMBYCINA** Latreille, 1802: 211**GENUS CERAMBYX** Linnaeus, 1758: 388**SUBGENUS CERAMBYX** Linnaeus, 1758: 388**SPECIES** *C. cerdo* Linnaeus, 1758: 392 (**)**SUBSPECIES** *C. c. cerdo* Linnaeus, 1758: 392 (**)**SUBGENUS MICRO CERAMBYX** Mikšić & Georgijević, 1973: 22**SPECIES** *C. scopolii* Fuessly, 1775: 12 (**)**SUBSPECIES** *C. s. scopolii* Fuessly, 1775: 12 (**)**TRIBE CALLICHRMATINI** Swainson & Shuckard, 1840: 293**GENUS AROMIA** Audinet-Serville, 1834: 559**SPECIES** *A. moschata* (Linnaeus, 1758: 391) (**)**SUBSPECIES** *A. m. ambrosiaca* (Steven, 1809: 40) (**)**TRIBE HYLOTRUPINI** Zagajkevich, 1991: 67**GENUS HYLOTRUPES** Audinet-Serville, 1834: 77**SPECIES** *H. bajulus* (Linnaeus, 1758: 396)**TRIBE CALLIDIINI** Kirby, 1837: 170**GENUS PHYMATODES** Mulsant, 1839: 47**SUBGENUS PHYMATODES** Mulsant, 1839: 47**SPECIES** *P. testaceus* (Linnaeus, 1758: 396) (**)**TRIBE ANAGLYPTINI** Lacordaire, 1868: 404**GENUS PARACLYTUS** Bates, 1884: 234**SPECIES** *P. sexguttatus* (Adams, 1817: 308) (**)**TRIBE CLYTINI** Mulsant, 1839: 70**GENUS PLAGIONOTUS** Mulsant, 1842: 1**SUBGENUS PLAGIONOTUS** Mulsant, 1842: 1**SPECIES** *P. arcuatus* (Linnaeus, 1758: 399)

- GENUS CHLOROPHORUS** Chevrolat, 186: 290
SUBGENUS CHLOROPHORUS Chevrolat, 1863: 290
SPECIES *C. varius* (Müller, 1766: 188) (**)
SUBSPECIES *C. v. varius* (Müller, 1766: 188) (**)
SUBGENUS PERDEROMACULATUS Özdikmen, 2011: 537
SPECIES *C. sartor* (Müller, 1766: 188) (**)
GENUS RUSTICOCLYTUS Vives, 1977: 130
SPECIES *R. rusticus* (Linnaeus, 1758: 398) (*)
GENUS CLYTUS Laicharting, 1784: 88
SPECIES *C. arietis* (Linnaeus, 1758: 399) (*)
SUBSPECIES *C. a. arietis* (Linnaeus, 1758: 399) (*)
SPECIES *C. rhamni* Germar, 1817: 223 (**)
SUBSPECIES *C. r. temesiensis* (Germar, 1824: 519) (**)

SUBFAMILY STENOPTERINAE Gistel, 1848: [9] (unnumbered section)

- TRIBE STENOPTERINI** Gistel, 1848: [9]
GENUS STENOPTERUS Illiger, 1804: 120
SPECIES *S. flavicornis* Küster, 1846: 75 (**)
SPECIES *S. rufus* (Linnaeus, 1767: 642) (**)
SUBSPECIES *S. r. geniculatus* Kraatz, 1863: 104 (**)
TRIBE MOLORCHINI Gistel, 1848: [9] (unnumbered section)
GENUS MOLORCHUS Fabricius, 1792: 356
SUBGENUS CAENOPTERA Thomson, 1859: 150
SPECIES *M. minor* (Linnaeus, 1758: 421) (**)
SUBSPECIES *M. m. minor* (Linnaeus, 1758: 421) (**)

SUBFAMILY DORCADIONINAE Swainson, 1840: 290

- TRIBE DORCADIONINI** Swainson, 1840: 290
GENUS DORCADION Dalman, 1817: 397
SUBGENUS CRIBRIDORCADION Pic, 1901: 12
SPECIES *D. rufoapicale* Breuning, 1943: 91 [HN] (**)
SPECIES *D. septemlineatum* Walth, 1838: 469 (**)
SUBSPECIES *D. s. abanti* Braun, 1976: 54 (**)
SUBGENUS MACULATODORCADION Breuning, 1943: 525
SPECIES *D. triste* Frivaldszky, 1845: 184 (**)

SUBFAMILY LAMIINAE Latreille, 1825: 401

- TRIBE MESOSINI** Mulsant, 1839: 165
GENUS MESOSA Latreille, 1829: 124
SUBGENUS MESOSA Latreille, 1829: 124
SPECIES *M. curculionoides* (Linnaeus, 1760: 193) (**) (***)
TRIBE LAMIINI Latreille, 1825: 401
GENUS MORIMUS Brullé, 1832: 258
SPECIES *M. funereus* Mulsant, 1862: 279
SPECIES *M. orientalis* Reitter, 1894: 43 (**) (****)
TRIBE ACANTHOCININI Blanchard, 1845: 154
GENUS ACANTHOCINUS Dejean, 1821: 106
SPECIES *A. aedilis* (Linnaeus, 1758: 392) (**)
TRIBE SAPERDINI Mulsant, 1839: 181
GENUS SAPERDA Fabricius, 1775: 184
SUBGENUS COMPSIDIA Mulsant, 1839: 182
SPECIES *S. populnea* (Linnaeus, 1758: 394)
TRIBE PHYTOECIINI Mulsant, 1839: 191
GENUS OBEREA Dejean, 1835: 351
SUBGENUS AMAUROSSTOMA Müller, 1906: 223
SPECIES *O. erythrocephala* (Schrank, 1776: 67) (**)
SUBSPECIES *O. e. erythrocephala* (Schrank, 1776: 67) (**)
= *O. e. amanica* Holzschuh, 1993 (**)

- GENUS PHYTOECIA** Dejean, 1835: 351
SUBGENUS HELLADIA Fairmaire, 1864: 176
SPECIES *P. praetextata* (Steven, 1817: 184) (*)
SUBSPECIES *P. p. praetextata* (Steven, 1817: 184) (*)
SUBGENUS PHYTOECIA Dejean, 1835: 351
SPECIES *P. caerulea* (Scopoli, 1772: 102)
SUBSPECIES *P. c. caerulea* (Scopoli, 1772: 102)
SPECIES *P. cylindrica* (Linnaeus, 1758: 394) (**)
SPECIES *P. icterica* (Schaller, 1783: 292) (**)
SPECIES *P. pustulata* (Schrank, 1776: 66)
SUBSPECIES *P. p. pustulata* (Schrank, 1776: 66)
SUBGENUS OPSILLA Mulsant, 1862: 387
SPECIES *P. coerulescens* (Scopoli, 1763: 49) (**)
TRIBE AGAPANTHIINI Mulsant, 1839: 172
GENUS AGAPANTHIA Audinet-Serville, 1835: 65
SUBGENUS EPOPTES Gistel, 1857: 93
SPECIES *A. villosoviridescens* (DeGeer, 1775: 76) (**) (****)
SUBGENUS SMARAGDULA Pesarini & Sabbadini, 2004: 128
SPECIES *A. violacea* (Fabricius, 1775: 187) (*)

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LITERATURE CITED

- Adlbauer, K.** 1992. Zur Faunistik und Taxonomie der Bockkäferfauna der Türkei II (Coleoptera, Cerambycidae). Entomofauna, 13 (30): 485-509.
- Çanakçıoğlu, H.** 1983. Orman Entomolojisi: Özel bölüm. İstanbul Üniversitesi Orman Fakültesi Yay. No: 349, İstanbul, 535 pp.
- Defne, M. Ö.** 1954. Batı Karadeniz Bölgesindeki Gökнарların Zararlı Böcekleri ve Mücadele Metodları. T. C. Tarım Bakanlığı, Orman Genel Müdürlüğü Yay. No. 105, 60-72.
- Erdem, R. & Çanakçıoğlu, H.** 1977. Türkiye odun zararlıları. İstanbul Üniversitesi Orman Fakültesi Yay., İstanbul, 113-134.
- Öymen, T.** 1987. The Forest Cerambycidae of Turkey. İ. Ü. Forest Faculty, İstanbul, 146 pp.
- Özdikmen, H.** 2007. The Longicorn Beetles of Turkey (Coleoptera: Cerambycidae) Part I – Black Sea Region. Munis Entomology & Zoology 2 (2): 179-422.
- Sama, G.** 1982. Contributo allo studio dei coleotteri Cerambycidae di Grecia e Asia Minore. Fragmenta Entomologica, Roma, 16 (2): 205-227.
- Sekendiz, O. A.** 1974. Türkiye hayvansal kavak zararlıları üzerine araştırmalar. K. T. Ü. Orman Fakültesi Yayın no: 3, Trabzon, 194 pp.
- Taglianti, A. V., Audisio, P. A., Biondi, M., Bologna, M. A., Carpaneto, G. M., De Biase, A., Fattorini, S., Piattella, E., Sindaco, R., Venchi, A. & Zapparoli, M.** 1999. A proposal for a chorotype classification of the Near East fauna, in the framework of the Western Palaearctic Region. Biogeographia 20: 31-59.
- Tauzin, P.** 2000. Complement a l'inventaire des Coleopteres Cerambycidae de Turquie. L'Entomologiste, 56 (4): 151-153.