

**PRELIMINARY WORK ON LONGHORNED BEETLES FAUNA
(COLEOPTERA: CERAMBYCIDAE) OF BALIKESİR PROVINCE
IN TURKEY WITH NEW FAUNISTIC RECORDS**

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ABSTRACT: In this paper, the specimens of the family Cerambycidae (Coleoptera) collected by various collectors in Balıkesir University Zoology Museum were evaluated. A total of 21 species and 21 subspecies of 28 genera belonging to 5 subfamilies (Prioninae, Lepturinae, Spondylidinae, Cerambycinae and Lamiinae) of Cerambycidae were recorded. New data are presented on Cerambycidae fauna for both Balıkesir local fauna and Turkey. Thirty-two of them are new records for Balıkesir province. *Callidium (Callidostola) aeneum aeneum* (DeGeer, 1775) is a new record for Turkey. Also, *Dorcadion scopoli* Herbst, 1784 is a new record for Turkey or the first exact locality record for Turkey. In addition, *Dorcadion (Cribridorcadion) catenatum mytilinense* Kraatz, 1873 and *Dorcadion (Cribridorcadion) pedestre pedestre* (Poda, 1761) are the second record for Turkey.

KEY WORDS: Coleoptera, Cerambycidae, new records, fauna, Balıkesir, Turkey

Known fauna of longhorned beetles from Balıkesir province includes 33 species of 22 genera belonging to 7 subfamilies and also, new species and subspecies were added to Balıkesir Cerambycid fauna by Küçükaykılı et.al. (2013). Longhorned beetles are a group of insects belonging to the most attractive taxa for various collectors in the world. More than 25,000 species of Cerambycidae have been described worldwide and possibly this number is increasingly. The Mediterranean region is known for its huge diversity in particular in terms of species richness and rates of endemism in European longhorned beetles (Sama et al., 2010). Cerambycidae consist of 7 subfamilies in Turkey as Prioninae, Lepturinae, Necydalinae, Spondylidinae, Dorcasominae, Cerambycinae and Lamiinae. Prioninae, Lepturinae, Cerambycinae and Lamiinae have the richest diversity for Turkey.

In this study, the specimens were collected by various collectors from different localities in Balıkesir [Balıkesir (Değirmenboğazı district, 39°69' N 27°96' E), Balıkesir (Çağış campus, 39°53' N 28°00' E), Balıkesir (İlca town, 39°87' N 27°77' E)] during the years of 2011-2016 by using pitfall traps and beating sheets (japanese umbrella).

As a result of the study, a total of 21 species and 21 subspecies of 28 genera belonging to Prioninae, Lepturinae, Spondylinae, Cerambycinae and Lamiinae subfamilies were determined and also, with this study the faunistic data on all species and subspecies will contribute to our knowledge on their distribution in Turkey and Balıkesir local fauna.

RESULTS**Family Cerambycidae Latreille, 1802****Subfamily Prioninae Latreille, 1802*****Prionus coriarius* (Linnaeus, 1758)**

Material examined: Balıkesir; Değirmenboğazi, 39°41'92" N 27°42'03" E, 166 m, 15.VII.2014, beating sheet, 1 specimen, leg. A. Tüven.

Remarks: The species is probably distributed widely in Turkey.

Subfamily Lepturinae Latreille, 1802***Rhagium (Rhagium) inquisitor inquisitor* (Linnaeus, 1758)**

Material examined: Balıkesir; Çağış Campus, 39°32'38" N 28°00'17" E, 169 m, 11.VI.2014, beating sheet, 1 specimen, leg. S. V. Varlı.

Remarks: The nominative subspecies is mostly distributed in northern Turkey. It is the first record for Balıkesir province.

***Pseudovadonia livida livida* (Fabricius, 1777)**

Material examined: Balıkesir; Ilıca, 39°52'02" N 27°45'19" E, 135 m, 20.IV.2011, beating sheet, 1 specimen, leg. S. V. Varlı.

Remarks: The species is widely distributed in Turkey.

***Rutpela maculata maculata* (Poda von Neuhaus, 1761)**

Material examined: Balıkesir; Değirmenboğazi, 39°42'52" N 27°57'82" E, 277 m, 23.VIII.2014, beating sheet, 1 specimen, leg. S. V. Varlı.

Remarks: The species is widely distributed in Turkey.

Subfamily Spondyliinae Audinet-Serville, 1832***Cephalocrius syriacus* (Reitter, 1895)**

Material examined: Balıkesir; Ilıca, 39°53'02" N 27°45'11" E, 320 m, 20.VII.2012, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The species is mostly distributed in southern Turkey. It is the first record for Balıkesir province.

Subfamily Cerambycinae Latreille, 1802***Icosium tomentosum atticum* Ganglbauer, 1882**

Material examined: Balıkesir; Ilıca, 39° 51' 08" N 27° 46' 02" E, 327 m, 10.VI.2012, pitfall trap, 1 specimen, leg. S.V.Varlı.

Remarks: The species is represented only by this subspecies in Turkey. It has been reported only from Antalya and İzmir provinces in Turkey until now. So it is the first record for Balıkesir province as third different provincial record.

***Hesperophanes sericeus* (Fabricius, 1787)**

Material examined: Balıkesir; Ilıca, 39°50'43" N 27°46'31" E, 306 m, 18.VIII.2012, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The species is probably distributed rather widely in Turkey. It is the first record for Balıkesir province.

***Trichoferus fasciculatus fasciculatus* (Faldermann, 1837)**

Material examined: Balıkesir; Değirmenboğazı, 39°42'71" N 27°57'40" E, 194 m, 16.VI.2016, pitfall trap, 1 specimen, leg. A. Tüven.

Remarks: The species is represented only by the nominative subspecies in Turkey. It is probably more or less widely distributed in Turkey. It is the first record for Balıkesir province.

***Cerambyx (Cerambyx) cerdo cerdo* Linnaeus, 1758**

Material examined: Balıkesir; Değirmenboğazı, 39°42'60" N 27°57'91" E, 262 m, 27.VII.2015, pitfall trap, 1 specimen, leg. H. Sürgüt.

Remarks: The subspecies is widely distributed in Turkey. It is the first record for Balıkesir province.

***Cerambyx (Cerambyx) welensii welensii* Küster, 1845**

Material examined: Balıkesir; Çağış Campus, 39°32'36" N 28°00'39" E, 173 m, 22.VI.2015, pitfall trap, 1 specimen, leg. H. Sürgüt.

Remarks: The subspecies is distributed rather widely in west half of Turkey and southern Anatolia. It is the first record for Balıkesir province.

***Purpuricenus kaehleri kaehleri* (Linnaeus, 1758)**

Material examined: Balıkesir; Ilıca, 39°52'05" N 27°42'14" E, 245 m, 15.VII.2013, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The nominative subspecies is distributed in northern Turkey. It is the first record for Balıkesir province.

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

Material examined: Balıkesir; Ilıca, 39°52'52" N 27°45'19" E, 136 m, 15.VII.2013, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The species is widely distributed in Turkey. It is the first record for Balıkesir province.

***Aromia ambrosiaca* (Steven, 1809)**

Material examined: Balıkesir; Ilıca, 39°53'59" N 27°46'13" E, 140 m, 11.X.2013, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The species is rather widely distributed in Turkey.

***Callidium (Callidostola) aeneum aeneum* (DeGeer, 1775)**

Material examined: Balıkesir; Değirmenboğazı, 39°42'31" N 27°57'56" E, 198 m, 17.VI.2015, pitfall trap, 1 specimen, leg. H. Sürgüt.

Remarks: The species, *Callidium aeneum* (DeGeer, 1775), has been represented by 2 subspecies in Turkey as *Callidium aeneum longipenne* Plavilstshikov, 1940 that is distributed only in north-eastern Turkey and *Callidium aeneum pilosicollis* Özdikmen & Aytar, 2014 that is known only from İçel province in south Turkey. So the nominative subspecies is the first record for Turkey and Balıkesir province.

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

Material examined: Balıkesir; Ilıca, 39°52'05" N 27°47'14" E, 245 m, 21.VII.2012, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The species is rather widely distributed in Turkey. It is the first record for Balıkesir province.

***Semanotus ruscicus ruscicus* Fabricius, 1777**

Material examined: Balıkesir; Değirmenboğazı, 39°43'20" N 27°57'22" E, 192 m, 22.V.2015, pitfall trap, 1 specimen, leg. H. Sürgüt.

Remarks: The species is represented only by the nominative subspecies in Turkey. It is probably distributed rather widely in Turkey. It is the first record for Balıkesir province.

***Chlorophorus (Chlorophorus) varius* (O. F. Müller, 1766)**

Material examined: Balıkesir; Değirmenboğazı, 39°42'52" N 27°57'82" E, 277 m, 12.VI.2016, pitfall trap, 1 specimen, leg. A. Tüven.

Remarks: The species is widely distributed in Turkey.

***Isotomus comptus comptus* (Mannerheim, 1825)**

Material examined: Balıkesir; Çağış Campus, 39°32'02" N 28°00'31" E, 181 m, 21.VII.2016, pitfall trap, 1 specimen, leg. A. Tüven.

Remarks: The nominative subspecies has been known only from north-eastern parts of Turkey up to now. It is the first record for Balıkesir province.

***Xylotrechus (Xylotrechus) antilope antilope* (Schoenherr, 1817)**

Material examined: Balıkesir; Değirmenboğazı, 39°42'54" N 27°57'56" E, 157 m, 24.VIII.2015, pitfall trap, 1 specimen, leg. H. Sürgüt.

Remarks: The nominative subspecies is distributed in north-west and west Turkey. It is the first record for Balıkesir province.

***Xylotrechus (Rusticoelytus) rusticus* (Linnaeus, 1758)**

Material examined: Balıkesir; Ilıca, 39°51'15" N 27°45'55" E, 304 m, 15.V.2013, beating sheet, 1 specimen, leg. S. V. Varlı.

Remarks: The species is more or less widely distributed in Turkey. It is the first record for Balıkesir province.

Subfamily Lamiinae Latreille, 1825***Morimus orientalis* Reitter, 1894**

Material examined: Balıkesir; Ilıca, 39°31'59" N 27°46'13" E, 140 m, 19.VII.2011, beating sheet, 1 specimen, leg. S. V. Varlı; Balıkesir; Çağış Campus, 39°32'11" N 28°00'40" E, 191 m, 15.X.2016, pitfall trap, 1 specimen, leg. A. Tüven.

Remarks: The species is distributed rather widely in Turkey. It is the first record for Balıkesir province.

***Morimus verecundus verecundus* (Faldermann, 1836)**

Material examined: Balıkesir; Ilıca, 39°52'52" N 27°45'19" E, 135 m, 15.V.2013, beating sheet, 1 specimen, leg. S. V. Varlı.

Remarks: The species is represented only by the nominative subspecies in Turkey. It is distributed mostly in north-eastern Turkey. It is the first record for Balıkesir province.

***Monochamus (Monochamus) galloprovincialis tauricola* Pic, 1912**

Material examined: Balıkesir; Ilıca, 39°51'15" N 27°45'55" E, 304 m, 21.VIII.2013, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The subspecies is distributed mostly in southern Turkey.

***Niphona (Niphona) picticornis* Mulsant, 1839**

Material examined: Balıkesir; Değirmenboğazı, 39°42'60" N 27°57'91" E, 267 m, 18.VII.2016, pitfall trap, 1 specimen, leg. A. Tüven.

Remarks: The species is distributed rather widely in southern Turkey. It is the first record for Balıkesir province.

***Pogonocherus (Pogonocherus) perroudi perroudi* Mulsant, 1839**

Material examined: Balıkesir; Ilıca, 39°52'28" N 27°47'17" E, 229 m, 12.V.2012, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The species is represented only by the nominative subspecies in Turkey. It is widely distributed in Turkey. It is the first record for Balıkesir province.

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

Material examined: Balıkesir; Çağış Campus, 39°32'25" N 28°00'30" E, 183 m, 21.IX.2015, beating sheet, 1 specimen, leg. H. Sürgüt.

Remarks: The species is mostly distributed in northern and western parts of Turkey.

***Acanthocinus (Acanthocinus) griseus* (Fabricius, 1793)**

Material examined: Balıkesir; Çağış Campus, 39°32'25" N 28°00'24" E, 172 m, 21.VII.2016, pitfall trap, 1 specimen, leg. A. Tüven.

Remarks: The species is widely distributed in Turkey. It is the first record for Balıkesir province.

***Leiopus (Leiopus) nebulosus nebulosus* (Linnaeus, 1758)**

Material examined: Balıkesir; Ilıca, 39°51'31" N 27°45'25" E, 189 m, 12.V.2012, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The nominative subspecies is distributed mostly in northern Turkey. It is the first record for Balıkesir province.

***Oberea (Oberea) oculata* (Linnaeus, 1758)**

Material examined: Balıkesir; Ilıca, 39°51'08" N 27°46'02" E, 327 m, 19.VII.2011, beating sheet, 1 specimen, leg. S. V. Varlı.

Remarks: The species is widely distributed in Turkey. It is the first record for Balıkesir province.

***Agapanthia (Agapanthia) suturalis* (Fabricius, 1787)**

Material examined: Balıkesir; Değirmenboğazı, 39°42'42" N 27°57'24" E, 202 m, 16.V.2016, pitfall trap, 1 specimen, leg. A. Tüven.

Remarks: The species is apparently distributed widely in southern Turkey. It is the first record for Balıkesir province.

***Agapanthia (Epopetes) cynarae cynarae* (Germar, 1817)**

Material examined: Balıkesir; Ilıca, 39°50'43" N 27°46'31" E, 306 m, 15.V.2013, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The species is represented only by the nominative subspecies in Turkey. It is distributed rather widely in Turkey. It is the first record for Balıkesir province.

***Agapanthia (Epoptes) kindermanni* Pic, 1905**

Material examined: Balıkesir; Ilıca, 39°53'02" N 27°45'11" E, 185 m, 14.VI.2013, beating sheets, 1 specimen, leg. S. V. Varlı.

Remarks: The species is distributed rather widely in southern Turkey. It is the first record for Balıkesir province.

***Agapanthia (Homoblephara) maculicornis maculicornis* (Gyllenhal, 1817)**

Material examined: Balıkesir; Çağış Campus, 39°32'27" N 28°00'21" E, 164 m, 21.VII.2016, pitfall trap, 1 specimen, leg. A. TÜVEN.

Remarks: The species is represented only by the nominative subspecies in Turkey. It is mostly distributed in south and southeast Turkey. It is the first record for Balıkesir province.

***Dorcadion (Cribridorcadion) catenatum mytilinense* Kraatz, 1873**

Material examined: Balıkesir; Ilıca, 39°51'08" N 27°46'02" E, 327 m, 15.VII.2013, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The subspecies was recorded only from İzmir province. So it is the second record for Turkey. And it is the first record for Balıkesir province.

***Dorcadion (Cribridorcadion) crux* (Bilberg, 1817)**

Material examined: Balıkesir; Çağış Campus, 39°31'56" N 28°00'58" E, 203 m, 12.V.2015, pitfall trap, 1 specimen, leg. H. SÜRĞÜT.

Remarks: The species is probably distributed more or less widely in Turkey.

***Dorcadion (Cribridorcadion) pedestre pedestre* (Poda, 1761)**

Material examined: Balıkesir; Değirmenboğazı, 39°42'26" N 27°57'35" E, 177 m, 12.VI.2016, pitfall trap, 1 specimen, leg. A. TÜVEN.

Remarks: The species is represented only by the nominative subspecies in Turkey. It was recorded only from İstanbul province. So it is the second record for Turkey. And it is the first record for Balıkesir province.

***Dorcadion (Cribridorcadion) scabricolle crassofasciatum* Özdikmen, 2013**

Material examined: Balıkesir; Değirmenboğazı, 39°42'23" N 27°58'04" E, 197 m, 18.VII.2016, pitfall trap, 1 specimen, leg. A. TÜVEN.

Remarks: The subspecies is known only from Balıkesir province.

***Dorcadion (Cribridorcadion) scopoli* (Herbst, 1784)**

Material examined: Balıkesir; Değirmenboğazı, 39°53'02" N 27°45'11" E, 184 m, 15.VII.2013, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The species was reported from Turkey only by Lodos (1998) without any exact locality. So it is a new record from Turkey with a exact locality.

***Dorcadion (Cribridorcadion) sinuatevittatum* Pic, 1937**

Material examined: Balıkesir; Ilıca, 39°52'28" N 27°47'17" E, 229 m, 21.VII.2016, pitfall trap, 1 specimen, leg. A. TÜVEN.

Remarks: The endemic species is the first record for Balıkesir province.

***Dorcadion (Maculatodorcadion) phrygicum* Peks, 1993**

Material examined: Balıkesir; Değirmenboğazı, 39°42'31" N 27°57'56" E, 221 m, 15.VII.2014, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The endemic species is the first record for Balıkesir province.

Neodorcadion (Neodorcadion) exornatum
(Frivaldsky von Frivald, 1835)

Material examined: Balıkesir; Değirmenboğazi, 39°42'22" N 27°57'82" E, 224 m, 18.VII.2016, pitfall trap, 1 specimen, leg. A. Tüven.

Remarks: The species is distributed in north-western Turkey. It is the first record for Balıkesir province.

Neodorcadion (Neodorcadion) laqueatum (Waltl, 1838)

Material examined: Balıkesir; Ilıca, 39°51'45" N 27°47'23" E, 261 m, 14.VI.2013, pitfall trap, 1 specimen, leg. S. V. Varlı.

Remarks: The species is distributed in north-western Turkey. It is the first record for Balıkesir province.

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