

## A CONTRIBUTION OF TURKISH LONGHORNED BEETLES FAUNA FROM BURSA (COLEOPTERA: CERAMBYCIDAE)

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ABSTRACT: The work presents new faunistical data for Turkish longhorned beetles fauna from Bursa province in NW Anatolia. The fauna of Bursa province is also given with old and newly recorded species in the text.

KEY WORDS: Cerambycidae, new data, Bursa, İnegöl, Turkey.

Bursa province is in South Marmara Part of Marmara Region in NW Anatolia. It is located between 40° W longitude and 29° N latitude. It is limited Marmara Sea and Yalova province in the North, Kocaeli and Sakarya provinces in the North-East, Bilecik province in the East, Kütahya province in the South and Balıkesir province in the West.

Bursa has 17 counties as Osmangazi, Nilüfer, Büyükşehir, Yıldırım, Gemlik, Gürsu, Harmançık, İnegöl, İznik, Karacabey, Keles, Kestel, Mudanya, Mustafakemalpaşa, Orhaneli, Orhangazi and Yenişehir (Fig. 1).

In this work, all specimens, except *Agapanthia kirbyi* (Gyllenhal, 1817) from Uludağ, were collected from İnegöl county of Bursa province in NW Anatolia in the years of 2011-2014.

İnegöl county is in the East parts of Bursa province and connected with Bilecik and Kütahya provinces.

As a result of identification of collected specimens, 40 species belonging to 26 genera of 6 subfamilies were determined. Among the determined taxa, 27 species are the first record for both Bursa province and 37 species are the first record for İnegöl county. The remaining 3 species are known from the research areas.

Knowledge about longicorn beetles of Bursa province is far from satisfaction. The planned work on this subject is also absent. In any work, the recorded information has not also been reviewed yet. Besides even information related faunistical composition of Bursa province has not been determined yet. This scattered information can be obtained from cited references (Acatay, 1943, 1968; Adlbauer, 1988, 1992; Alkan, 2000; Braun, 1978, 1979; Breuning & Villiers, 1967; Çanakçıoğlu, 1956, 1983, 1993; Defne, 1954; Demelt, 1963; Erdem & Çanakçıoğlu, 1977, Ganglbauer, 1884; Gfeller, 1972; Gül-Zümreoğlu, 1975; Kanat, 1998; Krätschmer, 1987; Lodos, 1998; Önalp, 1988, 1989, 1990; Öymen, 1987; Özdikmen, 2006, 2007; Özdikmen & Şahin, 2006; Peks, 1992; Pesarini & Sabbadini, 1998; Schmitschek, 1944; Sekendiz, 1974, 1981; Tazuin, 2000; Tezcan & Rejzek, 2002; Tozlu et al., 2002, 2003; Villiers, 1967).

Clearly, there is no any work on Cerambycidae of Bursa related the whole territories of it. Previous works were either short notes on shortlived expeditions or about at most a province and its environment. Also, works including description of new taxa are sometimes encountered.

In this work, all specimens, except *Agapanthia kirbyi* (Gyllenhal, 1817) from Uludağ, were collected from İnegöl county of Bursa province in NW Anatolia in the years of 2011-2014. As a result of identification of them, 39 species belonging

to 26 genera of 6 subfamilies were determined. Among the determined taxa, 26 species are the first record for both Bursa province and 36 species are the first record for İnegöl county. The remaining 3 species are known from the research areas.

In the following list, known taxa from Bursa are only given the taxon name simply. Among them, only *Rhagium inquisitor* is also distributed İnegöl county.

## **LONGHORNED BEETLES FAUNA OF BURSA PROVINCE**

### **SUPERFAMILY CERAMBYCOIDEA Latreille, 1802**

#### **FAMILY CERAMBYCIDAE Latreille, 1802: 211**

##### **SUBFAMILY PRIONINAE Latreille, 1802: 212**

##### **GENUS *ERGATES* Audinet-Serville, 1832: 143**

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

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

##### **GENUS *MESOPRIONUS* Jakovlev, 1887: 323**

**SPECIES *M. besikanus* (Fairmaire, 1855: 318)**

Material examined: İnegöl, Alanyurt, 15.VIII.2011, 1 specimen.

Remarks: The species was recorded from Bursa (Nilüfer: Çalı village). So, it is the first record for İnegöl county.

##### **SUBFAMILY LEPTURINAE Latreille, 1802: 218**

##### **GENUS *RHAMNUSIUM* Latreille, 1829: 130**

**SPECIES *R. bicolor* (Schrank, 1781: 132)**

**SUBSPECIES *R. b. juglandis* Fairmaire, 1866: 276**

Material examined: İnegöl, N Hamzabey village, 10.VI.2011, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

##### **GENUS *RHAGIUM* Fabricius, 1775: 182**

##### **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)**

Material examined: İnegöl, NE Sarpınar village, 09.VI.2012, N 40° 04' - E 29° 46', 443 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

##### **GENUS *CORTODERA* Mulsant, 1863: 572**

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

**SUBSPECIES *C. f. flavimana* (Waltl, 1838: 471)**

Material examined: İnegöl, W Akhisar village, 28.IV.2012, N 40° 10' - E 29° 46', 288 m, 1 specimen.

Remarks: The species was recorded from Bursa (Osmangazi: Uludağ). So, it is the first record for İnegöl county.

**SPECIES *Cortodera rufipes* (Kraatz, 1876: 344)**

Material examined: İnegöl, W Akhisar village, 28.IV.2012, N 40° 10' - E 29° 46', 288 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

##### **GENUS *GRAMMOPTERA* Dejean, 1835: 356**

##### **SUBGENUS *GRAMMOPTERA* Dejean, 1835: 356**

**SPECIES *G. ruficornis* (Fabricius, 1781: 247)**

**SUBSPECIES *G. r. ruficornis* (Fabricius, 1781: 247)**

##### **GENUS *PSEUDOVARADONIA* Lobanov, Danilevsky & Murzin, 1981: 787**

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

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

Material examined: İnegöl, N Şehitler, 19.VI.2011, 496 m, 1 specimen, NW Çavuş village, 28.VI.2011, N 40°17' - E 29°47', 330 m, 1 specimen, SE Dömez village, 05.VII.2011, N 40°10' - E 29°60', 578 m, 2 specimens, N Hamamlı village, 05.V.2012, N 40°03' - E 29°59', 313 m, 1 specimen, E Yenice, 23.VI.2013, N 40°09' - E 29°13', 319 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**GENUS ANOPLADERA Mulsant, 1839: 285**

**SUBGENUS ANOPLADERA Mulsant, 1839: 285**

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

**SUBSPECIES *A. r. rufiventris* Tournier, 1872: 348**

**GENUS STICTOLEPTURA Casey, 1924: 280**

**SUBGENUS STICTOLEPTURA Casey, 1924:280**

**SPECIES *S. cordigera* (Fuessly, 1775: 14)**

**SUBSPECIES *S. c. cordigera* (Fuessly, 1775: 14)**

Material examined: İnegöl, N Akhisar, 25.VI.2012, N 40°11' - E 29°47', 286 m, 1 specimen, S Karakadı village, 10.VII.2011, N 40°00' - E 29°49', 690 m, 2 specimens, S Deydinler village, 11.VII.2011, N 40°03' - E 29°52', 435 m, 3 specimen, E Kestanealan village, 11.VII.2011, N 40°00' - E 29°51', 650 m, 1 specimen, NW Muratbey village, 13.VII.2011, N 40°00' - E 29°57', 400 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**SPECIES *S. fulva* (DeGeer, 1775: 137)**

**GENUS ANASTRANGALIA Casey, 1924: 280**

**SPECIES *A. sanguinolenta* (Linnaeus, 1760: 196)**

Material examined: İnegöl, S Kiran village, 19.VI.2011, 795 m, 1 specimen, E Kestanealan village, 11.VII.2011, N 40°00' - E 29°51', 650 m, 1 specimen, Uludağ, 2 specimens.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**GENUS JUDOLIA Mulsant, 1863: 496**

**SPECIES *J. cerambyciformis* (Schrank, 1781: 154)**

**SPECIES *J. erratica* (Dalman, 1817: 490)**

Material examined: İnegöl, W Sungurpaşa, 28.VI.2011, N 40°18' - E 29°48', 380 m, 1 specimen, S Tokuş village, 16.VI.2011, 284 m, 1 specimen, N Cerrah, 19.VI.2011, 459 m, 1 specimen, SE Dömez village, 05.VII.2011, N 40°10' - E 29°60', 578 m, 1 specimen, NW Çavuş village, 28.VI.2011, N 40°17' - E 29°47', 330 m, 1 specimen, S Hocaköy village, 28.VI.2013, N 40°05' - E 29°47', 380 m, 1 specimen, N Sarpınar village, 28.VI.2013, N 40°04' - E 29°46', 420 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**GENUS STENURELLA Villiers, 1974: 214**

**SUBGENUS PRISCOSTENURELLA Özdikmen, 2013: 516**

**SPECIES *S. bifasciata* (O. F. Müller, 1776: 93)**

**SUBSPECIES *S. b. bifasciata* (O. F. Müller, 1776: 93)**

Material examined: İnegöl, S Kiran village, 19.VI.2011, 795 m, 2 specimens, E Kulaca village, 04.VII.2011, N 40°07' - E 29°58', 310 m, 1 specimen, SE Dömez village, 05.VII.2011, N 40°10' - E 29°60', 578 m, 1 specimen, SW Kurşunlu, 07.VII.2011, N 40°04' - E 29°64', 335 m, 1 specimen, N Karakadı village, 10.VII.2011, N 40°02' - E 29°50', 560 m, 1 specimen, S Karakadı village, 10.VII.2011, N 40°00' - E 29°49', 690 m, 1 specimen, Uludağ, 3 specimens, S Deydinler village, 11.VII.2011, N 40°03' - E 29°52', 435 m, 1 specimen, W Dipsizgöl village, 11.VII.2011, N 40°02' - E 29°52', 500 m, 1 specimen, W Yenice, 22.VI.2013, N 40°10' - E 29°41', 387 m, 1 specimen, SW Yenice, 22.VI.2013, N 40°09' - E 29°40', 500 m, 4 specimens, E Yenice, 23.VI.2013, N 40°09' - E 29°13', 319 m, 4 specimens, N Sarpınar village, 28.VI.2013, N 40°04' - E 29°46', 420 m, 2 specimens, E Sarpınar village, 28.VI.2013, N 40°03' - E 29°47', 622 m, 1 specimen.

Remarks: The species was recorded from Bursa (İnegöl and Gürsu Forest).

**SPECIES *S. septempunctata* (Fabricius, 1792: 346)**

**SUBSPECIES *S. s. latenigra* (Pic, 1915:5)**

Material examined: İnegöl, N Cerrah, 19.VI.2011, 459 m, 3 specimens.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**SUBFAMILY SPONDYLIDINAE Audinet-Serville, 1832**

**GENUS SPONDYLIS Fabricius, 1775: 159**

**SPECIES *S. buprestoides* (Linnaeus, 1758: 388)**

SUBFAMILY CERAMBYCINAE Latreille, 1802: 211

GENUS *TRICHOFERUS* Wollaston, 1854: 427**SPECIES *T. fasciculatus* (Faldermann, 1837: 266)**SUBSPECIES *T. f. fasciculatus* (Faldermann, 1837: 266)GENUS *STROMATIUM* Audinet-Serville, 1834: 80**SPECIES *S. auratum* (Böber, 1793: 135)**GENUS *CERAMBYX* Linnaeus, 1758: 388SUBGENUS *CERAMBYX* Linnaeus, 1758: 388**SPECIES *C. cerdo* Linnaeus, 1758: 392**SUBSPECIES *C. c. cerdo* Linnaeus, 1758: 392**SPECIES *C. dux* (Faldermann, 1837: 264)****SPECIES *C. nodulosus* Germar, 1817: 220**GENUS *PURPURICENUS* Dejean, 1821: 105SUBGENUS *PURPURICENUS* Dejean, 1821**SPECIES *P. budensis* (Götz, 1783: 70)**

Material examined: İnegöl, W Hamzabey village, 15.VI.2011, 1 specimen, NW Çavuşköy, 28.VI.2011, N 40°17' - E 29°47', 330 m, 1 specimen, NE Şipalı village, 05.VII.2011, N 40°09' - E 29°56', 310 m, 1 specimen, NW Akbaşlar village, 05.VII.2011, N 40°10' - E 29°58', 414 m, 1 specimen.

Remarks: The species was recorded from Bursa (Orhaneli). So, it is the first record for İnegöl county.

GENUS *AROMIA* Audinet-Serville, 1834: 559**SPECIES *A. moschata* (Linnaeus, 1758: 391)**SUBSPECIES *A. m. moschata* (Linnaeus, 1758: 301)

Material examined: İnegöl, W Yeniörük village, 25.V.2013, N 40°14' - E 29°59', 512 m, 1 specimen.

Remarks: The species was recorded from Bursa (near Soğukpınar, Baraklı village and Uludağ). So, it is the first record for İnegöl county.

**SPECIES *A. ambrosiaca* (Steven, 1809: 40)**SUBSPECIES *A. a. ambrosiaca* (Steven, 1809: 40)

Material examined: İnegöl, W Cerrah, 26.VI.2013, N 40°07' - E 29°44', 318 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

GENUS *PENICHTROA* Stephens, 1839: 270**SPECIES *P. fasciata* (Stephens, 1831: 250)**

Material examined: İnegöl, Boğazköyü dam, 25.VIII.2014, N 40°17' - E 29°52', 280 m, 1 specimen, Cerrah, 29.VIII.2017, N 40°07' - E 29°43', 452 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

GENUS *CERTALLUM* Dejean, 1821: 111**SPECIES *C. ebulinum* (Linnaeus, 1767: 637)**

Material examined: İnegöl, NW Hamzabey village, 04.V.2013, N 40°14' - E 29°52', 400 m, 1 specimen, Hocaköy, 21.VIII.2014, N 40°06' - E 29°46', 319 m, 1 specimen.

Remarks: The species was recorded from Bursa (İzmit). So, it is the first record for İnegöl county.

GENUS *HYLOTRUPES* Audinet-Serville, 1834: 77**SPECIES *H. bajulus* (Linnaeus, 1758: 396)**GENUS *ROPALOPUS* Mulsant, 1839: 40SUBGENUS *ROPALOPUS* Mulsant, 1839: 40**SPECIES *R. clavipes* (Fabricius, 1775: 188)**

Material examined: İnegöl, E Cerrah, 25.VI.2013, N 40°06' - E 29°44', 340 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

GENUS *PHYMATODES* Mulsant, 1839: 47SUBGENUS *MELASMETUS* Reitter, 1913: 39**SPECIES *P. femoralis* (Ménétriés, 1832: 228)**SUBSPECIES *P. f. demelti* Heyrovský, 1962: 41SUBGENUS *PHYMATODES* Mulsant, 1839: 47**SPECIES *P. testaceus* (Linnaeus, 1758: 396)**

Material examined: İnegöl, S Hamzabey village, 10.VI.2011, 2 specimens, N Hamamlı village, 05.V.2012, N 40°03' - E 29°59', 313 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**GENUS PARACLYTUS Bates, 1884: 234**

**SPECIES *P. sexguttatus* (Adams, 1817: 308)**

**GENUS PLAGIONOTUS Mulsant, 1842: 1**

**SUBGENUS ECHINOCERUS Mulsant, 1862: 143**

**SPECIES *P. floralis* (Pallas, 1773: 724)**

Material examined: İnegöl, N Tokuş village, 16.VI.2011, 354 m, 1 specimen, S Yeniörük village, 21.VI.2011, N 40°13' - E 29°58', 378 m, 1 specimen, SE Çavuşköy, 28.VI.2011, N 40°16' - E 29°46', 440 m, 1 specimen, SE Akhisar, 29.VI.2011, N 40°11' - E 29°47', 280 m, 1 specimen, S Kulaca village, 04.VII.2011, N 40°06' - E 29°56', 310 m, 3 specimens, NE Şipalı village, 05.VII.2011, N 40°09' - E 29°56', 310 m, 1 specimen, NW Akbaşlar village, 05.VII.2011, N 40°10' - E 29°58', 414 m, 1 specimen, SE Akbaşlar village, 05.07.2011, N 40°09' - E 29°59', 488 m, 1 specimen, SW Hasanpaşa village, 06.VII.2011, N 40°05' - E 29°58', 312 m, 1 specimen, N Kurşunlu, 07.VII.2011, N 40°03' - E 29°67', 375 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**GENUS CHLOROPHORUS Chevrolat, 186: 290**

**SUBGENUS CHLOROPHORUS Chevrolat, 1863: 290**

**SPECIES *C. varius* (Müller, 1766: 188)**

**SUBSPECIES *C. v. varius* (O. F. Müller, 1766: 188)**

Material examined: İnegöl, SW Şipalı village, 05.VII.2011, N 40°08' - E 29°54', 300 m, 1 specimen, N İsaören village, 26.VI.2012, N 40°05' - E 29°50', 320 m, 2 specimens, N Sarıpınar village, 28.VI.2013, N 40°04' - E 29°46', 420 m, 1 specimen.

Remarks: The species was recorded from Bursa (İnegöl: Mezit village).

**SUBGENUS CRASSOFASCIATUS Özdikmen, 2011: 538**

**SPECIES *C. hungaricus* Seidlitz, 1891: 828**

Material examined: İnegöl, NE Sarıpınar village, 09.VI.2012, N 40°04' - E 29°46', 443 m, 2 specimens.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**SUBGENUS PERDEROMACULATUS Özdikmen, 2011**

**SPECIES *C. sartor* (Müller, 1766: 188)**

Material examined: İnegöl, W Yenice, 22.VI.2013, N 40°10' - E 29°41', 387 m, 1 specimen.

Remarks: The species was recorded from Bursa (Uludağ, Karacabey). So, it is the first record for İnegöl county.

**GENUS XYLOTRECHUS Chevrolat, 1860: 456**

**SUBGENUS XYLOTRECHUS Chevrolat, 1860: 456**

**SPECIES *X. antilope* (Schoenherr, 1817: 465)**

**SUBSPECIES *X. antilope antilope* (Schoenherr, 1817: 465)**

**SPECIES *X. arvicola* (Olivier, 1795: 64)**

Material examined: İnegöl, NW Akıncılar village, 18.VI.2012, N 40°11' - E 29°41', 341 m, 1 specimen, N Çeltikçi village, 25.VI.2013, N 40°07' - E 29°48', 310 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**SUBGENUS RUSTICOCLYTUS Vives, 1977: 130**

**SPECIES *X. rusticus* (Linnaeus, 1758: 398)**

Material examined: İnegöl, SE Yiğit village, 04.VII.2011, N 40°07' - E 29°60', 360 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**GENUS CLYTUS Laicharting, 1784: 88**

**SPECIES *C. rhamnii* Germar, 1817:223**

**SUBSPECIES *C. r. temesiensis* (Germar, 1824: 519)**

Material examined: İnegöl, SE Halhalca village, 03.VII.2011, N 40°15' - E 29°42', 614 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**SUBFAMILY STENOPTERINAE Gistel, 1848: [9] (unnum. section)**

**GENUS STENOPTERUS Illiger, 1804: 120**

**SPECIES *S. rufus* (Linnaeus, 1767: 642)**

**SUBSPECIES *S. r. geniculatus* Kraatz, 1863: 104**

Material examined: İnegöl, S Karakadı village, 10.VII.2011, N 40°00' - E 29°49', 690 m, 1 specimen, NW Paşaören village, 13.VI.2012, N 40°03' - E 29°40', 595 m, 1 specimen, W Yenice, 22.VI.2013, N 40°10' - E 29°41', 387 m, 2 specimens, S Hocaköy village, 28.VI.2013, N 40°05' - E 29°47', 380 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**GENUS *DOLOCERUS* Mulsant, 1862: 230****SPECIES *D. reichii* Mulsant, 1862: 231****GENUS *CALLIMUS* Mulsant, 1846: [5]****SUBGENUS *LAMPROPTERUS* Mulsant, 1862: 214****SPECIES *C. femoratus* (Germar, 1824: 519)****SUBFAMILY DORCADIONINAE Swainson, 1840: 290****GENUS *DORCADION* Dalman, 1817: 397****SUBGENUS *CRIBRIDORCADION* Pic, 1901: 12****SPECIES *D. bithyniense* Chevrolat, 1856: 88****SPECIES *D. catenatum* Waltl, 1838: 469****SUBSPECIES *D. c. catenatum* Waltl, 1838: 469****SPECIES *D. micans* J. Thomson, 1867: 61****SUBSPECIES *D. m. micans* J. Thomson, 1867: 61****SPECIES *D. olympicum* Ganglbauer, 1882: 228****SUBSPECIES *D. o. flavosuturale* Krätschmer, 1987: 340****SUBSPECIES *D. o. olympicum* Ganglbauer, 1882: 228****SPECIES *D. praetermissum* Pesarini & Sabbadini, 1999: 47****SUBSPECIES *D. p. praetermissum* Pesarini & Sabbadini, 1999: 47****SPECIES *D. rolandmenradi* Peks, 1992: 197****SPECIES *D. scabricolle* (Dalman, 1817: 174)****SUBSPECIES *D. s. uludaghicum* Breuning, 1970: 98****SPECIES *D. septemlineatum* Waltl, 1838: 469****SUBSPECIES *D. s. octolineatum* Kraatz, 1873: 61**

Material examined: İnegöl, S Boğazköy village, 24.IV.2012, N 40°17' - E 29°52', 267 m, 1 specimen.

Remarks: The species was recorded from Bursa. So, it is the first record for İnegöl county.

**SUBGENUS *MACULATODORCADION* Breuning, 1943: 525****SPECIES *D. triste* Frivaldszky von Frivald, 1845: 184****SUBSPECIES *D. t. triste* Frivaldszky von Frivald, 1845: 184****GENUS *NEODORCADION* Ganglbauer, 1884: 437****SPECIES *N. laqueatum* (Waltl, 1838: 469)****SUBFAMILY LAMIINAE Latreille, 1825: 401****GENUS *MONOCHAMUS* Dejean, 1821: 106****SUBGENUS *MONOCHAMUS* Dejean, 1821: 106****SPECIES *M. galloprovincialis* (Olivier, 1795: No. 67: 125)****SUBSPECIES *M. g. pistor* (Germar, 1818: 242)****GENUS *HEROPHILA* Mulsant, 1863: 273****SPECIES *H. tristis* (Linnaeus, 1767: 629)****SUBSPECIES *H. t. tristis* (Linnaeus, 1767: 629)****GENUS *MORIMUS* Brullé, 1832: 258****SPECIES *M. fumereus* Mulsant, 1863: 279****SPECIES *M. orientalis* Reitter, 1894: 43**

Material examined: İnegöl, Alanyurt, 15.VIII.2011, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**GENUS *AEGOMORPHUS* Haldeman, 1847: 45****SPECIES *A. clavipes* (Schrank, 1781: 135)**

Material examined: İnegöl, S Hamzabey village, 10.VI.2011, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**GENUS *ACANTHOCINUS* Dejean, 1821: 106****SUBGENUS *ACANTHOCINUS* Dejean, 1821: 106****SPECIES *A. aedilis* (Linnaeus, 1758: 392)**

**SPECIES *A. griseus* (Fabricius, 1793: 261)**GENUS *SAPERDA* Fabricius, 1775: 184SUBGENUS *SAPERDA* Fabricius, 1775: 184**SPECIES *S. carcharias* (Linnaeus, 1758: 394)**SUBGENUS *COMPSIDIA* Mulsant, 1839: 182**SPECIES *S. populnea* (Linnaeus, 1758: 394)**GENUS *OXYLIA* Mulsant, 1862: 398**SPECIES *O. argentata* (Ménétriés, 1832: 227)**SUBSPECIES *O. a. argentata* (Ménétriés, 1832: 227)

Material examined: İnegöl, S Karakadı village, 10.VII.2011, N 40°00' - E 29°49', 690 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

GENUS *PHYTOECIA* Dejean, 1835: 351SUBGENUS *COPTOSIA* Fairmaire, 1865: 177**SPECIES *P. bithynensis* Ganglbauer, 1884: 573**SUBGENUS *HELLADIA* Fairmaire, 1864: 176**SPECIES *P. humeralis* (Waltl, 1838: 471)**SUBSPECIES *P. h. humeralis* (Waltl, 1838: 471)

Material examined: İnegöl, S Kozluca, 17.VI.2011, 1 specimen, S Kalaca village, 02.V.2012, N 40°07' - E 29°56', 297 m, 1 specimen, NW Hamzabey village, 04.V.2013, N 40°14' - E 29°52', 400 m, 2 specimens.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

SUBGENUS *MUSARIA* J. Thomson, 1864: 121**SPECIES *P. tuerki* Ganglbauer, 1884: 575**SUBGENUS *PHYTOECIA* Dejean, 1835: 351**SPECIES *P. geniculata* Mulsant, 1862: 420**SUBSPECIES *P. g. geniculata* Mulsant, 1862: 420

Material examined: İnegöl, W Akhisar village, 28.IV.2012, N 40°10' - E 29°46', 288 m, 2 specimens.

Remarks: The species was recorded from Bursa (Karacabey). So, it is the first record for İnegöl county.

**SPECIES *P. virgula* (Charpentier, 1825: 225)**

Material examined: İnegöl, SE Halhalca village, 03.VII.2011, N 40°15' - E 29°42', 614 m, 1 specimen, NW Alibey village, 19.V.2012, N 40°06' - E 29°56', 310 m, 1 specimen, N Kozluca village, 20.V.2013, N 40°12' - E 29°56', 295 m, 1 specimen, N Sungurpaşa village, 26.V.2013, N 40°18' - E 29°48', 308 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

SUBGENUS *OPSILIA* Mulsant, 1863: 387**SPECIES *P. coerulecens* (Scopoli, 1763: 49)**GENUS *CALAMOBIOUS* Guérin-Méneville, 1847: xvii**SPECIES *C. filum* (Rossi, 1790: 152)**GENUS *AGAPANTHIA* Audinet-Serville, 1835: 35SUBGENUS *SYNTHAPSIA* Pessarini & Sabbadini, 2004**SPECIES *A. kirbyi* (Gyllenhal, 1817: 186)**

Material examined: Uludağ, 3 specimens.

Remarks: The species was recorded from Bursa (Uludağ, Karacabey).

SUBGENUS *EPOPTES* Gistel, 1857: 93**SPECIES *A. cynarae* (Germar, 1817: 222)**SUBSPECIES *A. c. cynarae* (Germar, 1817: 222)

Material examined: İnegöl, S Boğazköy, 24.VI.2011, N 40°17' - E 29°52', 270 m, 2 specimens, NW Halhalca village, 03.VII.2011, N 40°16' - E 29°43', 600 m, 1 specimen, W Yiğit village, 04.VII.2011, N 40°07' - E 29°59', 337 m, 1 specimen, SE Yiğit village, 04.VII.2011, N 40°07' - E 29°60', 360 m, 1 specimen, NE Şipalı village, 05.VII.2011, N 40°09' - E 29°56', 310 m, 1 specimen, SW Kurşunlu, 07.VII.2011, N 40°04' - E 29°64', 335 m, 1 specimen.

Remarks: The species was recorded from Bursa (Uludağ). So, it is the first record for İnegöl county.

**SPECIES *A. dahli* (C. F. W. Richter, 1820: pl. 12)**SUBSPECIES *A. d. walteri* Reitter, 1898: 132

**SPECIES A. *lateralis* Ganglbauer, 1884: 541**

Material examined: İnegöl, SW Cerrah, 12.VI.2012, N 40°06' - E 29°43', 395 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**SPECIES A. *villosoviridescens* (DeGeer, 1775: 76)****SUBGENUS AGAPANTHIA Audinet-Serville, 1835: 35****SPECIES A. *cardui* (Linnaeus, 1767: 632)**

Material examined: İnegöl, N Kozluca village, 17.VI.2011, 335 m, 1 specimen.

Remarks: The species was recorded from Bursa (Karacabey). So, it is the first record for İnegöl county.

**SPECIES A. *suturalis* (Fabricius, 1787: 149)**

Material examined: İnegöl, S Kiran village, 19.VI.2011, 795 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**SUBGENUS SMARAGDULA Pesarini & Sabbadini, 2004: 128****SPECIES A. *frivaldszkyi* Ganglbauer, 1884: 546**

Material examined: İnegöl, N Boğazköy, 24.VI.2011, N 40°16' - E 29°52', 280 m, 1 specimen.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**SPECIES A. *pesarini* Sama & Rapuzzi, 2010: 177**

Material examined: İnegöl, SW Akbaşlar village, 01.V.2012, N 40°10' - E 29°58', 400 m, 7 specimens, E Akbaşlar village, 01.V.2012, N 40°09' - E 29°59', 480 m, 5 specimens, SE Dömez village, 01.V.2012, N 40°10' - E 29°60', 610 m, 1 specimen, SW Cerrah, 12.VI.2012, N 40°06' - E 29°43', 395 m, 4 specimens, N Hamzabey village, 01.V.2013, N 40°14' - E 29°53', 310 m, 1 specimen, NE Boğaz village, 04.V.2013, N 40°76' - E 29°77', 280 m, 5 specimens, NE Boğaz village, 18.V.2013, N 40°16' - E 29°52', 274 m, 1 specimen, S Boğaz village, 18.V.2013, N 40°17' - E 29°52', 307 m, 3 specimens.

Remarks: The species is the first record for Bursa province and thereby İnegöl county.

**SPECIES A. *violacea* (Fabricius, 1775: 187)****CONCLUSION**

Consequently, the longhorned beetles fauna of Bursa province consist of 81 species belonging to 44 genera of 7 subfamilies.

54 of them are old records. Among the old records, 41 species are only known from available references. And 13 of them, are known from both the available references and the present work.

27 of 80 species are new records to the fauna according to the present work.

Note: This work is derived a part of master thesis of the first author.

**LITERATURE CITED**

- Acatay, A.** 1943. İstanbul çevresi ve bilhassa Belgrad ormanındaki zararlı orman böcekleri, mücadeleleri ve işletme üzerine tesirleri. T. C. Ziraat Vekaleti Yüksek Ziraat Enstitüsü Çalışmaları, Ankara, 142: 163 pp.
- Acatay, A.** 1968. Zararlı orman böcekleri, Teşhis anahtarı. İstanbul Üniversitesi Yay., İstanbul, 1358: 153 pp.
- Adlbauer, K.** 1988. Neues zur Taxonomie und Faunistik der Bockkäferfauna der Türkei (Coleoptera, Cerambycidae). Entomofauna, 9 (12): 257-297.
- Adlbauer, K.** 1992. Zur Faunistik und Taxonomie der Bockkäferfauna der Türkei II (Coleoptera, Cerambycidae). Entomofauna, 13 (30): 485-509.
- Alkan, H.** 2000. Türkiye orman Cerambycidae (Insecta, Coleoptera)'lerinin tanıtımı ve Doğu Karadeniz Bölgesindeki türlerin araştırılması. Yüksek Lisans Tezi. Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü, Trabzon, 227 pp.
- Braun, W.** 1978. Die Dorcadionausbeute der Forschungsreisen von W. Heinz 1963-1977. Faunistische Aufstellung, Beschreibung einer neuen Unterart und Bemerkungen zur Systematik wenig bekannter Arten (Coleoptera, Cerambycidae). Nachrichtenblatt der Bayerischen Entomologen, 27 (6): 101-116.
- Braun, W.** 1979. Beitrag zur Kenntnis der Gattung *Dorcadion* Systematisch neu bewertete *Dorcadion*-Formen (Col., Cerambycidae). Nachrichtenblatt der Bayerischen Entomologen, 28 (5): 81-86.
- Breuning, S. & Villiers, A.** 1967. Cérambycides de Turquie (2. note). L'Entomologiste, 23 (3): 59-63.
- Çanakçıoğlu, H.** 1956. Bursa ormanlarında entomolojik araştırmalar. İstanbul Üniversitesi Yay., Orman Fakültesi Yay. No: 690, İstanbul, 9-13.
- Çanakçıoğlu, H.** 1983. Orman Entomolojisi: Özel bölüm. İstanbul Üniversitesi Orman Fakültesi Yay. No: 349, İstanbul, 535 pp.
- Çanakçıoğlu, H.** 1993. Orman Entomolojisi: Özel bölüm. İstanbul Üniversitesi Orman Fakültesi Yay. No: 3623, İstanbul, 535 pp.



- Defne, M. Ö.** 1954. Batı Karadeniz Bölgesindeki Göknarların Zararlı Böcekleri ve Mücadele Metodları. T. C. Tarım Bakanlığı, Orman Genel Müdürlüğü Yay. No. 105, 60-72.
- Demelt, C. V.** 1963. Beitrag zur Kenntnis der Cerambycidenfauna Kleinasiens und 13. Beitrag zur Biologie palaearkt. Cerambyciden, sowie Beschreibung einer neuen Oberea-Art. Entomologische Blätter, 59 (3) : 132-151.
- Erdem, R. & Canakçoğlu, H.** 1977. Türkiye odun zararlıları. İstanbul Üniversitesi Orman Fakültesi Yay., İstanbul, 113-134.
- Gaŋlbauer, L.** 1884. Bestimmungs-Tabellen der europäischen Coleopteren. VIII. Cerambycidae.-Verhandlungen der kaiserlich-königlichen zoologisch.-botanischen Gesellschaft in Wien, 33: 437-586.
- Gfeller, W.** 1972. Cerambycidae (Coleoptera) der Türkei-Persienexpedition 1970 der Herren Dr. H. c. W. Wittmer und U. v. Botmer. Mitteilungen der Entomologischen Gesellschaft Basel, 22 (1): 1-8.
- Gül-Zümreoglu, S.** 1975. Investigations on taxonomy, host plants and distribution of the Longhorned Beetles (Cerambycidae-Coleoptera) in Aegean Region. T. C. Ministry of Food, Agriculture and Stockbreeding, No : 28, İstiklal Press, İzmir, 208 pp.
- Kanat, M.** 1998. Kahramanmaraş ormanlarında önemli zararlı böceklerin araştırılması. Yüksek Lisans Tezi, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Trabzon, 41-127.
- Krätschmer, O.** 1987. Beitrag zur Kenntnis der *Dorcadion*-Fauna Griechenlands und der Türkei (Coleoptera: Cerambycidae: Lamiinae). Entomologische Zeitschrift, 97 (23): 337-340.
- Lodos, N.** 1998. Entomology of Turkey VI (General, Applied and Faunistic). Ege Ü. Ziraat Fak. Yayınları No: 529, E. Ü. Faculty of Agriculture Press, İzmir, 300 pp.
- Önalp, B.** 1988. Taxonomic researches on *Agapanthia* Serville, 1835 species (Coleoptera, Cerambycidae: Lamiinae) I. H. Ü. Eğitim Fakültesi Dergisi, 3: 257-295.
- Önalp, B.** 1989. Taxonomic researches on *Agapanthia* Serville, 1835 species (Coleoptera, Cerambycidae: Lamiinae) II. H. Ü. Eğitim Fakültesi Dergisi, 4: 197-234.
- Önalp, B.** 1990. Systematic researches on *Dorcadion* Dalman, 1817 species in Turkey (Coleoptera, Cerambycidae: Lamiinae) I. H. Ü. Eğitim Fakültesi Dergisi, 5: 57-102.
- Öymen, T.** 1987. The Forest Cerambycidae of Turkey. İ. Ü. Forest Faculty, İstanbul, 146 pp.
- Özdikmen, H.** 2006. Contribution to the knowledge of Turkish longicorn beetles fauna (Coleoptera: Cerambycidae). *Munis Entomology & Zoology*, 1 (1): 71-90.
- Özdikmen, H.** 2007. The Longicorn Beetles of Turkey (Coleoptera: Cerambycidae) Part I - Black Sea Region. *Munis Entomology & Zoology* 2 (2): 179-422.
- Özdikmen, H. & Şahin, Ö.** 2006. İç Anadolu Ormançılık Araştırma Müdürlüğü, Entomoloji Müzesi (Türkiye, Ankara) Teke Böcekleri Koleksiyonu (Coleoptera, Cerambycidae). *G. U. Journal of Science*, 19 (1): 1-8.
- Peks, H.** 1992. Eine neue *Dorcadion*-Art aus Anatolien (Col., Cerambycidae). *Entomol. Z.*, 102: 197-200.
- Pesarini, C. & Sabbadini, A.** 1998. Osservazioni sistematiche su alcuni *Dorcadion* della fauna anatolica, con descrizione di 9 nuovi taxa (Coleoptera, Cerambycidae). *Atti Mus. civ. St. nat. Ferrara*, 1: 45-61.
- Schmitschek, E.** 1944. Forstinsekten der Türkei und Ihre Umwelt Grundlagen der türkischen Forstentomologie, Volk und Reich Verlag Prag, 125-141 pp.
- Sekendiz, O. A.** 1974. Türkiye hayvansal kavak zararlıları üzerine arařtırmalar. K. T. Ü. Orman Fakültesi Yayın no: 3, Trabzon, 194 pp.
- Sekendiz, O. A.** 1981. Doğu Karadeniz bölümünün önemli teknik hayvansal zararlıları üzerine arařtırmalar. K. T. Ü. Orman Fakültesi Yayınları no: 12, Trabzon, 114 pp.
- Tauzin, P.** 2000. Complement a l'inventaire des Coleopteres Cerambycidae de Turquie. *L'Entomologiste*, 56 (4): 151-153.
- Tezcan, S. & Rejzek, M.** 2002. Longhorn beetles (Coleoptera: Cerambycidae) recorded in cherry orchards in Western Turkey. *Zoology in the Middle East*, 27: 91-100.
- Tozlu, G., Rejzek, M. & Özbek, H.** 2002. A contribution to the knowledge of Cerambycidae (Coleoptera) fauna of Turkey. Part I: Subfamilies Prioninae to Cerambycinae. *Biocosme Mésogèen, Nice*, 19 (1-2): 55-94.
- Tozlu, G., Rejzek, M. & Özbek, H.** 2003. A Contribution to the Knowledge of Cerambycidae (Coleoptera) Fauna of Turkey Part II : Subfamily Lamiinae. *Biocosme Mésogèen, Nice*, 19 (3): 95-110.
- Villiers, A.** 1967. Coleoptères Cérambycides de Turquie (1. Partie) - *L' Entomologiste*, 23 (1): 18-22.



Figure 1. The counties of Bursa province and the location of Bursa province in NW Turkey.