

**THE LONGHORNED BEETLES THAT ORIGINALLY
DESCRIBED FROM WHOLE TERRITORIES OF TURKEY
(COLEOPTERA: CERAMBYCOIDEA) PART IV –
CERAMBYCIDAE (LAMIINAE)**

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[Özdikmen, H. 2012. The longhorned beetles that originally described from whole territories of Turkey (Coleoptera: Cerambycoidea) Part IV - Cerambycidae (Lamiinae). Munis Entomology & Zoology, 7 (2): 798-811]

ABSTRACT. The paper is the fourth part (latest part) of a planned serial work. It gives an annotated list of the Cerambycoidea [Cerambycidae (Lamiinae)] that originally described from Turkey, with some important synonyms. The data that were stated into four parts, were evaluated comparatively with all Turkish fauna at the end of present text.

KEY WORDS: Lamiinae, Cerambycidae, Cerambycoidea, Coleoptera, Turkey.

A series work is planned that is aim to expose the Turkish Cerambycoidea described from Turkey originally as possible as detailed and entirely by beginning from Vesperidae to Cerambycidae (Özdikmen, 2012a,b,c). The present study that includes the subfamily Lamiinae, is attempted as the fourth step (latest part) of this aim.

Information in the present text is given in following order:

All taxa are accompanied by the author's name and description date. For each species, subspecies or important synonym, the original combination and type locality are provided under the taxon names. The status of endemism for Turkey is also indicated under these information.

In this paper, classification and nomenclature of the longhorn beetles suggested by Özdikmen (2012d) is followed chiefly. Within the genera and subgenera, the species are listed alphabetically.

Please see Löbl & Smetana (2010) for cited references in the text.

SUPERFAMILY CERAMBYCOIDEA Latreille, 1802

FAMILY CERAMBYCIDAE Latreille, 1802: 211

SUBFAMILY LAMIINAE Latreille, 1825: 401

TRIBE PARMENINI Mulsant, 1839: 118

SUBTRIBE -

GENUS PARMENA Dejean, 1821: 108

SUBGENUS -

SPECIES *P. lukati* Sama, 1994: 12

Orig. comb.: *Parmena lukati*

Type loc.: Antalya: Kekova (Turkey)

Endemic species to Turkey.

SPECIES *P. mutilloides* Sabbadini & Pesarini, 1992: 27

Orig. comb.: *Parmena mutilloides*

Type loc.: Konya: Beyşehir (Turkey)

Endemic species to Turkey.

SPECIES *P. pontocircassica* Danilevsky & Miroshnikov, 1985: 289
Orig. comb.: *Parmena pontocircassica*
Type loc.: Caucasus and Turkey

SPECIES *P. sericata* Sama, 1996: 104
Orig. comb.: *Parmena sericata*
Type loc.: Artvin: Borçka: Cankurtaran pass (Turkey)
Endemic species to Turkey.

SPECIES *P. striatopunctata* Sama, 1994: 553
Orig. comb.: *Parmena striatopunctata*
Type loc.: Artvin: Ardanuç (Turkey)
Endemic species to Turkey.

TRIBE MONOCHAMINI Gistel, 1848: [9]

SUBTRIBE -

GENUS *MONOCHAMUS* Dejean, 1821: 106

SUBGENUS *MONOCHAMUS* Dejean, 1821: 106

SPECIES *M. galloprovincialis* (Olivier, 1795: No. 67: 125)
Orig. comb.: *Cerambyx galloprovincialis*
Type loc.: "Gallia" (France)

SUBSPECIES *M. g. tauricola* Pic, 1912: 18
Orig. comb.: *Monochamus galloprovincialis tauricola*
Type loc.: "Taurus" (S Turkey)
Endemic subspecies to Turkey.

TRIBE LAMIINI Latreille, 1825: 401

SUBTRIBE -

GENUS *MORIMUS* Brullé, 1832: 258

SUBGENUS -

SPECIES *M. orientalis* Reitter, 1894: 43
Orig. comb.: *Morimus orientalis*
Type loc.: "Anatolia" (Turkey)
Endemic species to Turkey.

TRIBE APODASYINI Lacordaire, 1872: 623

SUBTRIBE -

GENUS *ANAESTHETIS* Dejean, 1835: 348

SUBGENUS -

SPECIES *A. anatolica* Holzschuh, 1969: 78
Orig. comb.: *Anaesthetis anatolica*
Type loc.: Antalya: Alanya (Turkey)

TRIBE POGONOCHERINI Mulsant, 1839: 151

SUBTRIBE -

GENUS *POGONOCHERUS* Dejean, 1821: 107

SUBGENUS *POGONOCHERUS* Dejean, 1821: 107

SPECIES *P. anatolicus* Daniel & Daniel, 1898: 76
Orig. comb.: *Pogonocherus anatolicus*
Type loc.: Antalya: Adalia (Turkey)

SPECIES *P. barbarae* Rapuzzi & Sama, 2012: 678
Orig. comb.: *Pogonocherus barbarae*
Type loc.: Hatay: Nur Mountains (Turkey)
Endemic species to Turkey.

TRIBE ACANTHODERINI Thomson, 1860: 5

SUBTRIBE -

GENUS *AEGOMORPHUS* Haldeman, 1847: 45

SUBGENUS -

SPECIES *A. grisescens* (Pic, 1898: 392)
Orig. comb.: *Acanthoderes clavipes* var. *grisescens*
Type loc.: "Haute Syrie" (probably Turkey: Hatay)

TRIBE ACANTHOCININI Blanchard, 1845: 154**SUBTRIBE -****GENUS** *LEIOPUS* Audinet-Serville, 1835: 86**SUBGENUS -****SPECIES** *L. femoratus* Fairmaire, 1859: 62**Orig. comb.:** *Leiopus femoratus***Type loc.:** "Constantinople" (Turkey: İstanbul)**SPECIES** *L. lisae* Rapuzzi & Sama, 2012: 679**Orig. comb.:** *Leiopus lisae***Type loc.:** Tunceli (Turkey)**Endemic species to Turkey.****SPECIES** *L. syriacus* (Ganglbauer, 1884: 532)**Orig. comb.:** *Leiopus syriacus syriacus***Type loc.:** "bei Beirut in Syrien"**SUBSPECIES** *L. s. abieticola* Sama & Rapuzzi, 2010: 186**Orig. comb.:** *Leiopus syriacus abieticola***Type loc.:** Kahramanmaraş: Göksun (Turkey)**Endemic subspecies to Turkey.****SUBSPECIES** *L. s. syriacus* (Ganglbauer, 1884: 532)**Orig. comb.:** *Leiopus syriacus syriacus***Type loc.:** "bei Beirut in Syrien"**SUBSPECIES** *L. s. tauricus* Sama & Rapuzzi, 2010: 184**Orig. comb.:** *Leiopus syriacus tauricus***Type loc.:** İçel: Namrun = Çamlıyayla and Antalya (Turkey)**Endemic subspecies to Turkey.****TRIBE EXOCENTRINI** Pascoe, 1864: 7**SUBTRIBE -****GENUS** *EXOCENTRUS* Dejean, 1835: 339**SUBGENUS** *EXOCENTRUS* Dejean, 1835: 339**SPECIES** *E. ritae* Sama, 1985: 65**Orig. comb.:** *Exocentrus ritae***Type loc.:** İçel: Namrun = Çamlıyayla (Turkey)**TRIBE TETROPINI** Portevin, 1927: 39**SUBTRIBE -****GENUS** *TETROPS* Stephens, 1829: 16**SUBGENUS -****SPECIES** *T. praeustus* (Linnaeus, 1758: 399)**Orig. comb.:** *Leptura praeusta***Type loc.:** Europe**SUBSPECIES** *T. p. anatolicus* Özdikmen & Turgut, 2008: 627**Orig. comb.:** *Tetrops praeustus anatolicus***Type loc.:** Konya: Hadim (Turkey)**Endemic subspecies to Turkey.****SPECIES** *T. warnckei* Holzschuh, 1977: 133**Orig. comb.:** *Tetrops warnckei***Type loc.:** Antalta: Akseki (Turkey)**Endemic species to Turkey.****TRIBE SAPERDINI** Mulsant, 1839: 181**SUBTRIBE -****GENUS** *SAPERDA* Fabricius, 1775: 184**SUBGENUS** *COMPSIDIA* Mulsant, 1839: 182**SPECIES** *S. quercus* Charpentier, 1825: 224**Orig. comb.:** *Saperda quercus***Type loc.:** Hungary

SUBSPECIES *S. q. ocellata* Abeille de Perrin, 1895: CCXXIX

Orig. comb.: *Saperda ocellata*

Type loc.: "Akbès" (Turkey: Hatay: Akbez)

TRIBE PHYTOECIINI Mulsant, 1839: 191

SUBTRIBE -

GENUS OBEREA Dejean, 1835: 351

SUBGENUS OBEREA Dejean, 1835: 351

SPECIES *O. resslii* Demelt, 1963: 150

Orig. comb.: *Oberea resslii*

Type loc.: Ankara: Kızılcahamam (Turkey)

Endemic species to Turkey.

GENUS OXYLLA Mulsant, 1862: 398

SUBGENUS -

SPECIES *O. argentata* (Ménétriés, 1832: 227)

Orig. comb.: *Saperda argentata*

Type loc.: Zouvant (S Azerbaijan)

SUBSPECIES *O. a. languida* (Ménétriés, 1839: 42)

Orig. comb.: *Phytoecia languida*

Type loc.: "entre Constantinople et le Balkan; Syrie" (Turkey) (lapsus).

GENUS MALLOSIA Mulsant, 1862: 399

SUBGENUS EUSEMNOSIA Özdikmen & Aytar, 2012: 655

SPECIES *M. interrupta* Pic, 1905: 28

Orig. comb.: *Mallosia scovitzii* var. *interrupta*

Type loc.: Van (Turkey)

SPECIES *M. mirabilis* (Faldermann, 1837: 283)

Orig. comb.: *Saperda mirabilis*

Type loc.: Transcaucasia rkey)

SUBSPECIES *M. m. devexula* Holzschuh, 1989: 176

Orig. comb.: *Mallosia scovitzii devexula*

Type loc.: Hakkari: Uludere (Turkey)

Endemic subspecies to Turkey.

SUBGENUS EUMALLOSIA Danilevsky, 1990: 364

SPECIES *M. costata* Pic, 1898: 124

Orig. comb.: *Mallosia costata*

Type loc.: Kurdistan (?Turkey)

SPECIES *M. imperatrix* Abeille de Perrin, 1885: CXL

Orig. comb.: *Mallosia imperatrix*

Type loc.: Syria

SYNONYM

tauricola Daniel, 1904: 308

Orig. comb.: *Mallosia tauricola*

Type loc.: "Taurus" (Turkey)

SUBGENUS ANATOLOMALLOSIA Özdikmen & Aytar, 2012: 659

SPECIES *M. nonnigra* Özdikmen & Aytar, 2012: 656

Orig. comb.: *Mallosia nonnigra*

Type loc.: İçel: Erdemli (Turkey)

Endemic species to Turkey.

GENUS MICROMALLOSIA Pic, 1900: 15

SUBGENUS -

SPECIES *M. heinzorum* (Holzschuh, 1991: 27)

Orig. comb.: *Mallosia heinzorum*

Type loc.: Bingöl: Yolçatu (Turkey)

Endemic species to Turkey.

SPECIES *M. heydeni* (Ganglbauer, 1888: 76)
Orig. comb.: *Phytoecia heydeni*
Type loc.: Malatya (Turkey)
Endemic species to Turkey.

SPECIES *M. theresae* Pic, 1900: 15
Orig. comb.: *Micromallosia theresae*
Type loc.: Kurdistan (Turkey)
Endemic species to Turkey.

GENUS *COPTOSIA* Fairmaire, 1864: 177

SUBGENUS *COPTOSIA* Fairmaire, 1864: 177

SPECIES *C. albovittigera* (Heyden, 1863: 130)
Orig. comb.: *Phytoecia albovittigera*
Type loc.: European Turkey

SPECIES *C. bithynensis* (Ganglbauer, 1884: 573)
Orig. comb.: *Phytoecia bithynensis*
Type loc.: Bursa (Turkey)
Endemic species to Turkey.

SPECIES *C. demelti* (Breuning, 1973: 143)
Orig. comb.: *Conizonia demelti*
Type loc.: İçel: Namrun (Turkey)
Endemic species to Turkey.

SPECIES *C. minuta* (Pic, 1891: 2)
Orig. comb.: *Phytoecia minuta*
Type loc.: "Syrie" (Turkey: Hatay: Amanos Mts.)
Endemic species to Turkey.

SYNONYM

mardinensis Pic, 1901: 13
Orig. comb.: *Coptosia mardinensis*
Type loc.: Mardin (Turkey)

SPECIES *C. schuberti* (Fuchs, 1965: 110)
Orig. comb.: *Coptosia schuberti*
Type loc.: İçel: Namrun (Turkey)
Endemic species to Turkey.

SPECIES *C. tauricola* (Breuning, 1943: 104)
Orig. comb.: *Conizonia tauricola*
Type loc.: Taurus Mts. (Turkey)
Endemic species to Turkey.

SUBGENUS *BARBARINA* Sama, 2010: 292

SPECIES *C. anularis* (Holzschuh, 1984: 160)
Orig. comb.: *Conizonia anularis*
Type loc.: Hakkari: Süvarihalil pass (Turkey)
Endemic species to Turkey.

SPECIES *C. behen* (Sama & Rejzek, 1999: 330)
Orig. comb.: *Phytoecia behen*
Type loc.: Erzincan: Gemecik (Turkey)
Endemic species to Turkey.

SPECIES *C. chehrensensis* (Breuning, 1943: 103)
Orig. comb.: *Conizonia chehrensensis*
Type loc.: ?Konya: Akşehir (Turkey)
Endemic species to Turkey.

GENUS *PYGOPTOSIA* Reitter, 1895: 86

SUBGENUS -

SPECIES *P. speciosa* (Frivaldszky, 1884: 5)
Orig. comb.: *Phytoecia speciosa*
Type loc.: Diyarbakır (Turkey)

GENUS *SEMIANGUSTA* Pic, 1893: 421

SUBGENUS -

SPECIES *S. katarinae* (Holzschuh, 1974: 99)

Orig. comb.: *Phytoecia katarinae*

Type loc.: Muş: Buğlan pass (Turkey)

Endemic species to Turkey.

GENUS *PHYTOECIA* Dejean, 1835: 351

SUBGENUS *PILEMIA* Fairmaire, 1864: 175

SPECIES *P. annulata* Hampe, 1852: 315

Orig. comb.: *Phytoecia annulata*

Type loc.: Iran

SUBSPECIES *P. a. wawerkana* Reitter, 1905: 239

Orig. comb.: *Pilemia wawerkana*

Type loc.: "Akbès" (Turkey: Hatay: Akbez)

Endemic species to Turkey.

SYNONYM

angorensis Pic, 1952: 2

Orig. comb.: *Pilemia angorensis*

Type loc.: Ankara (Turkey)

SPECIES *P. breverufonotata* (Pic, 1952: 2)

Orig. comb.: *Phytoecia breverufonotata*

Type loc.: "Asie Min., Brousse" (Turkey: Bursa)

Endemic species to Turkey.

SYNONYM

maculifera Holzschuh, 1984: 170

Orig. comb.: *Phytoecia (Pilemia) maculifera*

Type loc.: İçel: Namrun (Turkey)

SPECIES *P. griseomaculata* (Pic, 1891: 102)

Orig. comb.: *Pilemia tigrina* var. *griseomaculata*

Type loc.: "Akbès" (Turkey: Hatay: Akbez)

Endemic species to Turkey.

SYNONYM

laterufonotata Pic, 1952: 2

Orig. comb.: *Pilemia griseomaculata* var. *laterufonotata*

Type loc.: Turkey: Hatay: Akbez not Syria

SPECIES *P. konyaensis* Danilevsky, 2010: 20

Orig. comb.: *Phytoecia (Pilemia) konyaensis*

Type loc.: Konya: Aksaray (Turkey)

Endemic species to Turkey.

SPECIES *P. samii* Özdikmen & Turgut, 2010: 97

Orig. comb.: *Phytoecia (Pilemia) samii*

Type loc.: Konya: Derebucak (Turkey)

Endemic species to Turkey.

SPECIES *P. smatanai* (Holzschuh, 2003: 240)

Orig. comb.: *Pilemia smatanai*

Type loc.: Konya: Seydişehir (Turkey)

Endemic species to Turkey.

SUBGENUS *HELLADIA* Fairmaire, 1864: 176

SPECIES *P. armeniaca* Frivaldszky, 1878: 10 [= 1878: 318]

Orig. comb.: *Phytoecia armeniaca*

Type loc.: Diyarbakır (Turkey)

SUBSPECIES *P. a. armeniaca* Frivaldszky, 1878: 10 [= 1878: 318]

Orig. comb.: *Phytoecia armeniaca*

Type loc.: Diyarbakır (Turkey)

SPECIES *P. demelti* (Sama, 2003: 73)

Orig. comb.: *Helladia demelti*
Type loc.: İçel: Silifke (Turkey)
Endemic species to Turkey.

SPECIES *P. ferrugata* Ganglbauer, 1884: 574

Orig. comb.: *Phytoecia ferrugata*
Type loc.: Chaifa (Syria)

SUBSPECIES *P. f. dilaticollis* Pic, 1900: 67

Orig. comb.: *Phytoecia (Helladia) dilaticollis*
Type loc.: "Asia Minor" (Turkey)
Endemic subspecies to Turkey.

SPECIES *P. humeralis* (Waltl, 1838: 471)

Orig. comb.: *Saperda humeralis*
Type loc.: Turkey

SUBSPECIES *P. h. humeralis* (Waltl, 1838: 471)

Orig. comb.: *Saperda humeralis*
Type loc.: Turkey

SUBSPECIES *P. h. caneri* Özdikmen & Turgut, 2010: 331

Orig. comb.: *Phytoecia (Helladia) humeralis caneri*
Type loc.: Osmaniye, Hatay, Gaziantep (Turkey: Amanos Mts.)
Endemic subspecies to Turkey.

SPECIES *P. pontica* Ganglbauer, 1884: 574

Orig. comb.: *Phytoecia pontica*
Type loc.: "Pontus, Caucasus" (Turkey and ?Caucasus)

SPECIES *P. praetextata* (Steven, 1817: 184)

Orig. comb.: *Saperda praetextata*
Type loc.: Crimea

SUBSPECIES *P. p. nigricollis* Pic, 1891: 102

Orig. comb.: *Phytoecia praetextata* var. *nigricollis*
Type loc.: Hatay: Akbez (Turkey)

SUBGENUS *METALLIDIA* Kasatkin, 2011: 143**SPECIES** *P. alinae* Kasatkin, 2011: 143

Orig. comb.: *Phytoecia alinae*
Type loc.: Muş: Buğlan pass (Turkey)
Endemic species to Turkey.

SUBGENUS *MUSARIA* Thomson, 1864: 121**SPECIES** *P. anatolica* Fuchs & Breuning, 1971: 75

Orig. comb.: *Phytoecia anatolica*
Type loc.: Adana: Misis (Turkey)
Endemic species to Turkey.

SPECIES *P. astarte* Ganglbauer, 1886: 523

Orig. comb.: *Phytoecia astarte*
Type loc.: "Asia Minor" (Turkey)

SUBSPECIES *P. a. astarte* Ganglbauer, 1886: 523

Orig. comb.: *Phytoecia astarte*
Type loc.: "Asia Minor" (Turkey)

SPECIES *P. boeberi* Ganglbauer, 1884: 559

Orig. comb.: *Phytoecia boeberi*
Type loc.: Turkey and Caucasus

SPECIES *P. griseicornis* Pic, 1892: CLXXXVII

Orig. comb.: *Phytoecia (Musaria) ?Türki* var. *griseicornis*
Type loc.: "Syrie" (Turkey: Amanos Mts. not Syria)
Endemic species to Turkey.

SPECIES *P. tuerki* Ganglbauer, 1884: 575

Orig. comb.: *Phytoecia Türki*

Type loc.: Bursa (Turkey)

Endemic species to Turkey.

SPECIES *P. wachanrui* Mulsant, 1851: 120

Orig. comb.: *Phytoecia wachanrui*

Type loc.: Turkey

SUBGENUS *NEOMUSARIA* Plavilstshikov, 1928: 123

SPECIES *P. adusta* Reitter, 1889: 43

Orig. comb.: *Phytoecia adusta*

Type loc.: Erzurum (Turkey)

Endemic species to Turkey.

SPECIES *P. inapicalis* Pic, 1905: 107

Orig. comb.: *Phytoecia modesta inapicalis*

Type loc.: Cilicia: Adana (Turkey)

SPECIES *P. longicornis* (Pesarini & Sabbadini, 2009)

Orig. comb.: *Neomusaria longicornis*

Type loc.: Bingöl: Buğlan pass (Turkey)

Endemic species to Turkey.

SPECIES *P. merkli* Ganglbauer, 1884: 560

Orig. comb.: *Phytoecia merkli*

Type loc.: Cilician Taurus (Turkey)

SPECIES *P. pauliraputii* (Sama, 1993: 295)

Orig. comb.: *Neomusaria pauliraputii*

Type loc.: Manisa: Akhisar (Turkey)

Endemic species to Turkey.

SPECIES *P. salvicola* Holzschuh, 1989: 176

Orig. comb.: *Phytoecia (Neomusaria) salvicola*

Type loc.: Elazığ: Harput (Turkey)

Endemic species to Turkey.

SPECIES *P. suvorowi* Pic, 1905: 38

Orig. comb.: *Phytoecia (Musaria) suvorowi*

Type loc.: "Caucase" (Turkey: Kars and Erzurum: Oltu not Caucasus)

Endemic species to Turkey.

SUBGENUS *PHYTOECIA* Dejean, 1835: 351

SPECIES *P. annulipes* Mulsant & Rey, 1863: 165

Orig. comb.: *Phytoecia annulipes*

Type loc.: "Caramanie" (Turkey: Karaman)

Endemic species to Turkey.

SPECIES *P. asiatica* Pic, 1891: 102

Orig. comb.: *Phytoecia asiatica*

Type loc.: "Akbès" (Turkey: Hatay: Akbez not Syria)

SUBSPECIES *P. a. asiatica* Pic, 1891: 102

Orig. comb.: *Phytoecia asiatica*

Type loc.: "Akbès" (Turkey: Hatay: Akbez not Syria)

SPECIES *P. bangi* Pic, 1897: 189

Orig. comb.: *Phytoecia bangi*

Type loc.: Mardin (Turkey) and "Chaldée" (Iran)

SPECIES *P. bialookii* Danilevsky, 2010: 22

Orig. comb.: *Phytoecia bialookii*

Type loc.: Bitlis: Tatvan: Güroymak env. and Muş: Buğlan pass (Turkey)

Endemic species to Turkey.

SPECIES *P. geniculata* Mulsant, 1862: 420

Orig. comb.: *Phytoecia geniculata*

Type loc.: Greece and "Constantinople" (Turkey: İstanbul)

SPECIES *P. kartalensis* Danilevsky, 2010: 21

Orig. comb.: *Phytoecia kartalensis*

Type loc.: Eskişehir: Mihaliççık env.: Kartal pass (Turkey)

Endemic species to Turkey.

SPECIES *P. manicata* Reiche & Saulcy, 1858: 17

Orig. comb.: *Phytoecia croceipes* var. *manicata*

Type loc.: Syria, Anatolia (Turkey), Balkan, ?Caucasus (mistaken information)

SPECIES *P. pubescens* Pic, 1895: 64

Orig. comb.: *Phytoecia manicata* var. *pubescens*

Type loc.: not stated, probably Syria, Anatolia (Turkey), Balkan, Caucasus

SPECIES *P. rufipes* (Olivier, 1795: 25)

Orig. comb.: *Saperda rufipes*

Type loc.: France

SUBSPECIES *P. r. latior* Pic, 1895: 66

Orig. comb.: *Phytoecia rufipes* var. *latior*

Type loc.: "Akbès" (Turkey: Hatay: Akbez)

SPECIES *P. shokhini* Kasatkin, 2010: 61

Orig. comb.: *Phytoecia shokhini*

Type loc.: Tunceli: Ovacık (Turkey)

Endemic species to Turkey.

SUBGENUS *BLEPISANIS* Pascoe, 1866: 365

SPECIES *P. samai* Özdikmen & Turgut, 2008: 572

Orig. comb.: *Phytoecia (Blepisanis) samai*

Type loc.: Osmaniye: Küllü village (Turkey)

Endemic species to Turkey.

SPECIES *P. vittipennis* Reiche, 1877: CXLI

Orig. comb.: *Phytoecia vittipennis*

Type loc.: Bulgaria

SUBSPECIES *P. v. inhumeralis* (Pic, 1900: 7)

Orig. comb.: *Obereina vittipennis* var. *inhumeralis*

Type loc.: Adana: Kızıldağ (Turkey)

Endemic species to Turkey.

SUBSPECIES *P. v. leuthneri* Ganglbauer, 1886: 523

Orig. comb.: *Phytoecia (Obereina) vittipennis* var. *leuthneri*

Type loc.: "Akbès" (Turkey: Hatay: Akbez)

SYNONYM

akbesiana Pic, 1900: 20

Orig. comb.: *Phytoecia akbesiana*

Type loc.: "Akbès" (Turkey: Hatay: Akbez)

SUBSPECIES *P. v. pallidior* (Pic, 1901: 67)

Orig. comb.: *Obereina vittipennis* var. *pallidior*

Type loc.: "Anatolie" (Turkey)

SYNONYM

tokatensis Pic, 1933: 11

Orig. comb.: *Phytoecia (Obereina) vittipennis* var. *tokatensis*

Type loc.: Tokat (Turkey)

SPECIES *P. volkovitshi* Danilevsky, 2010: 24

Orig. comb.: *Phytoecia (Blepisanis) volkovitshi*

Type loc.: Urfa: Birecik (Turkey)

Endemic species to Turkey.

TRIBE AGAPANTHIINI Mulsant, 1839: 172

SUBTRIBE -

GENUS *THEOPHILEA* Pic, 1895: 39

SUBGENUS -

SPECIES *T. cylindricollis* Pic, 1895: 39

Orig. comb.: *Theophilea cylindricollis*

Type loc.: Bitlis (Turkey)

GENUS *AGAPANTHIA* Audinet-Serville, 1835: 35

SUBGENUS *EOPTES* Gistel, 1857: 93

SPECIES *A. kindermanni* Pic, 1905: 13

Orig. comb.: *Agapanthia dahli* var. *kindermanni*

Type loc.: Turkey

Endemic species to Turkey.

SYNONYM

amicula Holzschuh, 1989: 176

Orig. comb.: *Agapanthia amicula*

Type loc.: Adana: Tekir and İçel: Namrun (Turkey)

SPECIES *A. lateralis* Ganglbauer, 1884: 541

Orig. comb.: *Agapanthia lateralis*

Type loc.: "Constantinopel" (Turkey: İstanbul)

Endemic species to Turkey.

SPECIES *A. schmidti* Holzschuh, 1975: 89

Orig. comb.: *Agapanthia schmidti*

Type loc.: Sivas: Gürün (Turkey)

Endemic species to Turkey.

SPECIES *A. simplicicornis* Reitter, 1898: 133

Orig. comb.: *Agapanthia simplicicornis*

Type loc.: Mardin (Turkey)

Endemic species to Turkey.

SPECIES *A. subflavida* Pic, 1903: 163

Orig. comb.: *Agapanthia subflavida*

Type loc.: "Anatolie" (Turkey)

Endemic species to Turkey.

SPECIES *A. walteri* Reitter, 1898: 132

Orig. comb.: *Agapanthia walteri*

Type loc.: Erzurum, Mardin (Turkey)

SUBGENUS *AGAPANTHOPLIA* Pesarini & Sabbadini, 2004: 122

SPECIES *A. coeruleipennis* Frivaldszky, 1878: 9

Orig. comb.: *Agapanthia coeruleipennis*

Type loc.: "Asia Minor" (Turkey)

SUBGENUS *SMARAGDULA* Pesarini & Sabbadini, 2004: 128

SPECIES *A. fallax* Holzschuh, 1974: 95

Orig. comb.: *Agapanthia fallax*

Type loc.: Muş: Buğlan pass (Turkey)

Endemic species to Turkey.

SPECIES *A. frivaldszkyi* Ganglbauer, 1884: 546

Orig. comb.: *Agapanthia frivaldszkyi*

Type loc.: "Asia Minor" (Turkey)

SPECIES *A. naciyaie* Rapuzzi & Sama, 2012: 676

Orig. comb.: *Agapanthia naciyaie*

Type loc.: Erzincan: Refahiye (Turkey)

Endemic species to Turkey.

SPECIES *A. osmanlis* Reiche & Saulcy, 1858: 19

Orig. comb.: *Agapanthia osmanlis*

Type loc.: Constantinople" (Turkey: İstanbul)

SPECIES *A. ozdikmeni* Rapuzzi & Sama, 2012: 673

Orig. comb.: *Agapanthia ozdikmeni*

Type loc.: Tunceli: near Central and Pülümür (Turkey)

Endemic species to Turkey.

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

Orig. comb.: *Agapanthia pesarinii*

Type loc.: İçel: Çamalan and Namrun (Turkey)

Endemic species to Turkey.

As a result of the present work, a total of 95 species group taxa (76 species and 19 subspecies) of Cerambycidae (Lamiinae) are determined.

Among of them, 61 species group taxa (52 sp. and 9 ssp.) are endemic to Turkey now. So, endemism ratio of the longhorned beetles that originally described from whole territories of Turkey, is 64 %.

A GENERAL EVALUATION FOR TURKISH FAUNA

The Turkish longhorned beetles fauna was given by Özdikmen (2012d).

In accordance with this, the superfamily CERAMBYCOIDEA Latreille, 1802 includes currently 4 families as Cerambycidae Latreille, 1802; Disteniidae Thomson, 1861; Oxypeltidae Lacordaire, 1868 and Vesperidae Mulsant, 1839, and only two families as Cerambycidae Latreille, 1802 and Vesperidae Mulsant, 1839 are represented in Turkey. So Turkish CERAMBYCOIDEA includes a total of 801 species group taxa (700 species and 101 subspecies belonging to 130 genera of 56 tribes of 12 subfamilies of 2 families). Özdikmen (2012e) gave addenda corrigenda for the list. So, Turkish Cerambycoidea includes a total of 824 taxa (721 species and 103 subspecies belonging to 130 genera of 56 tribes of 12 subfamilies of 2 families) now.

SUPERFAMILY CERAMBYCOIDEA Latreille, 1802

2 families, 12 subfamilies, 56 tribes, 130 genera, 721 species, 103 subspecies

FAMILY VESPERIDAE Mulsant, 1839: 214

1 subfamily, 1 tribe, 1 genus, 1 species

FAMILY CERAMBYCIDAE Latreille, 1802: 211

11 subfamilies, 55 tribes, 129 genera, 720 species (136 subspecies), 103 subspecies

SUBFAMILY PRIONINAE Latreille, 1802: 212

5 tribes, 7 genera, 12 species (2 subspecies)

SUBFAMILY LEPTURINAE Latreille, 1802: 218

6 tribes, 30 genera, 134 species (30 subspecies), 23 subspecies

SUBFAMILY NECYDALINAE Latreille, 1825: 401

1 tribe, 1 genus, 2 species

SUBFAMILY ASEMINEAE Thomson, 1861: 139

2 tribes, 4 genera, 8 species, 1 subspecies

SUBFAMILY SAPHANINAE Gistel, 1848: [1]

2 tribes, 4 genera, 4 species (2 subspecies), 1 subspecies

SUBFAMILY SPONDYLIDINAE Audinet-Serville, 1832: 123

1 tribe, 1 genus, 1 species

SUBFAMILY DORCASOMINAE Lacordaire, 1868: 456

1 tribe, 1 genus, 4 species

SUBFAMILY CERAMBYCINAE Latreille, 1802: 211

16 tribes, 40 genera, 135 species (32 subspecies), 14 subspecies

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

5 tribes, 6 genera, 21 species (5 subspecies), 2 subspecies

SUBFAMILY DORCADIONINAE Swainson, 1840: 290

1 tribe, 2 genera, 201 species (32 subspecies), 42 subspecies

SUBFAMILY LAMIINAE Latreille, 1825: 401

15 tribes, 33 genera, 198 species (34 subspecies), 20 subspecies

Turkey is divided into seven regional parts commonly. Each region includes some subdivisions. Their abbreviations are presented in the paranthesis as bold at the end of each division or subdivision. These are as follows:

I. Marmara Region (North-West Turkey) (**MAR**)

A. European Turkey (=Thracia)

1. Ergene Part (including Edirne and Tekirdağ provinces) (**EP**)
2. Istranca Part (including Kırklareli province) (**IP**)
3. Çatalca Part (including İstanbul province) (**ÇP**)

B. Asian Turkey (=North-West Anatolia)

1. Kocaeli Part (including Kocaeli and Sakarya provinces) (**KP**)
2. South Marmara Part (including Bilecik, Yalova, Bursa, Bahkesir and Çanakkale provinces) (**SMP**)

II. Aegean Region (West Turkey) (**AER**)

1. Aegean Part (including Manisa, İzmir, Aydın, Muğla and Denizli provinces) (**AP**)
2. Central-West Anatolia Part (including Kütahya, Uşak and Afyon provinces) (**CWAP**)

III. Mediterranean Region (South and Sout-West Anatolia) (**MER**)

1. Antalya Part [= Western Mediterranean] (including Burdur, Isparta and Antalya provinces) (**ANP**)
2. Adana Part [=Eastern Mediterranean] (including İçel, Adana, Osmaniye, Hatay, Kahramanmaraş and Kilis) (**AP**)

IV. Central Anatolian Region (Central Anatolia) (**CAR**)

1. Upper Sakarya Part (including Eskişehir and Ankara provinces) (**USP**)
2. Konya Part (including Konya, Aksaray and Karaman provinces) (**KP**)
3. Central Kızılırmak Part (including Çankırı, Kırıkkale, Yozgat, Kırşehir, Nevşehir, Niğde, Kayseri and Sivas provinces) (**CKP**)

V. Black Sea Region (North Anatolia) (**BSR**)

1. Western Black Sea Part (including Düzce, Bolu, Karabük, Zonguldak, Bartın, Kastamonu and Sinop provinces) (**WBSR**)
2. Central Black Sea Part (including Samsun, Çorum, Amasya, Tokat and Ordu provinces) (**CBSR**)
3. Eastern Black Sea Part (including Giresun, Trabzon, Gümüşhane, Bayburt, Rize and Artvin provinces) (**EBSR**)

VI. Eastern Anatolian Region (Eastern Anatolia) (**EAR**)

1. Erzurum-Kars Part (including Ardahan, Kars, Erzurum and Iğdır provinces) (**EKP**)
2. Upper Fırat Part (including Erzincan, Tunceli, Elazığ, Malatya, Bingöl and Bitlis provinces) (**UFP**)
3. Upper Murat-Van Part (including Ağrı, Muş and Van provinces) (**UMVP**)
4. Hakkari Part (including Şırnak and Hakkari provinces) (**HP**)

VII. South-Eastern Anatolian Region (South-Eastern Anatolia) (**SEAR**)

1. Central Fırat Part (including Gaziantep, Adıyaman and Şanlıurfa provinces) (**CFP**)
2. Dicle Part (including Diyarbakır, Mardin, Batman and Siirt provinces) (**DP**)

For Turkey, five main faunal areas and fourteen faunal subareas were determined by Özdikmen (2010). E-Anatolian [SSE-Anatolian (Antitaurasian), NEE-Anatolian (Caucasish), CEE-Anatolian (Upper Euphratian) and EE-Anatolian (Iranish)] and W-Anatolian [W-Anatolian (Aegean or Lydian) and CWW-Anatolian (Phrygish)] faunal areas can also be divided into a few subareas. These are presented as follows:

N-ANATOLIAN FAUNAL AREA

This area includes whole territory of N Turkey as European Turkey (Thrace) and N-Anatolia. It can be divided into 5 faunal subareas as Thracian (European Turkey), NW-Anatolian (Bithynio-Mysidian), NCW-Anatolian (Paphlagonian), NC-Anatolian (Pontic) and NE-Anatolian (Armenian).

T-Thracian (European Turkey) faunal subarea [Edirne, Kırklareli, Tekirdağ, Çanakkale (Gelibolu) and İstanbul (European parts)]

- NW-Anatolian (Bithynio-Mysidian) faunal subarea** [Çanakkale (Anatolian parts), Balıkesir, Bursa, Bilecik, Yalova, İstanbul (Anatolian parts), Kocaeli, Sakarya]
NCW-Anatolian (Paphlagonian) faunal subarea [Düzce, Bolu, Zonguldak, Bartın, Karabük, Kastamonu and Sinop]
NC-Anatolian (Pontic) faunal subarea [Çorum, Samsun, Amasya, Tokat, Ordu, Giresun, Gümüşhane and Trabzon]
NE-Anatolian (Armenian) faunal subarea [Rize, Bayburt and Artvin]

E-ANATOLIAN FAUNAL AREA

This area can be divided into 4 faunal subareas as SSE-Anatolian (Antitaurasian), NEE-Anatolian (Caucasish), CEE-Anatolian (Upper Euphratian) and EE-Anatolian (Iranish).

- SSE-Anatolian (Antitaurasian) faunal subarea** [Şırnak and Hakkari]
NEE-Anatolian (Caucasish) faunal subarea [Ardahan, Kars, Erzurum and Iğdır]
CEE-Anatolian (Upper Euphratian) faunal subarea [Erzincan, Tunceli, Elazığ, Malatya, Bingöl and Bitlis]
EE-Anatolian (Iranish) faunal subarea [Ağrı, Muş and Van]

S-ANATOLIAN FAUNAL AREA

This area can be divided into 4 faunal subareas as SW-Anatolian (Carian), SCW-Anatolian (Cilician), SC-Anatolian (Amanusian) and SE-Anatolian (Mesopotamian).

- SW-Anatolian (Pamphylio-Carian) faunal subarea** [Antalya]
SCW-Anatolian (Cilician) faunal subarea [İçel and Adana]
SC-Anatolian (Amanusian) faunal subarea [Osmaniye, Hatay, Kahramanmaraş, Kilis and Gaziantep (partly)]
SE-Anatolian (Mesopotamian) faunal subarea [Gaziantep, Adıyaman, Şanlıurfa, Diyarbakır, Mardin, Batman and Siirt]

C-ANATOLIAN FAUNAL AREA

This area can be divided into 5 faunal subareas as CN and NCW-Anatolian (Galatio-Paphlagonian), CS-Anatolian (Lycaonian), CSW-Anatolian (Pisidian), CW-Anatolian (Phrygian) and CSE-Anatolian (Cappadocian).

- CN and NCW-Anatolian (Galatio-Paphlagonian) faunal subarea** [Çankırı and Ankara]
CS-Anatolian (Lycaonian) faunal subarea [Konya, Aksaray and Karaman]
CSW-Anatolian (Pisidian) faunal subarea [Burdur and Isparta]
CW-Anatolian (Phrygian) faunal subarea [Eskişehir and Afyon (partly)]
CSE-Anatolian (Cappadocian) faunal subarea [Kırıkkale, Yozgat, Kırşehir, Sivas, Nevşehir, Kayseri and Niğde]

W-ANATOLIAN FAUNAL AREA

This area can be divided into 2 faunal subareas as W-Anatolian (Aegean or Lydian) and CWW-Anatolian (Phrygish).

- W-Anatolian (Aegean or Lydian) faunal subarea** [Manisa, İzmir, Aydın, Muğla and Denizli (partly)]
CWW-Anatolian (Phrygish) faunal subarea [Kütahya, Uşak, Afyon (partly) and Denizli (partly)]

Consequently, Turkish CERAMBYCOIDEA includes a total of 824 species group taxa (721 species and 103 subspecies). Among them, the number of species group taxa that originally described from whole territories of Turkey, is 453 (332 species and 121 subspecies). So, 55 % of all species group taxa described from whole territories of Turkey originally.

Even alone the ratio proves the richness of Turkish longhorned beetles fauna.

Besides, 349 species group taxa (260 species and 89 subspecies) are endemic to Turkey among the determined 453 species group taxa (332 species and 121 subspecies). So, endemism ratio is 77 % for all species group taxa described from Turkey originally. Namely, 3 species per 4 species that described from Turkey, are endemic to Turkey approximately. Also, the endemism ratio is 42.30 % for all

Turkish fauna. Namely, 2 species per 5 species of all Turkish longhorned beetles are endemic to Turkey.

Moreover, the species group taxa that described from Turkey, distribution to main faunal areas and subareas in Turkey are presented as follows:

- N-ANATOLIAN FAUNAL AREA** (24.72%)
T-Thracian (European Turkey) faunal subarea (1.98%)
NW-Anatolian (Bithynio-Mysidian) faunal subarea (7.28%)
NCW-Anatolian (Paphlagonian) faunal subarea (7.06%)
NC-Anatolian (Pontic) faunal subarea (6.18%)
NE-Anatolian (Armenian) faunal subarea (2.21%)
E-ANATOLIAN FAUNAL AREA (17%)
SSE-Anatolian (Antitaurasian) faunal subarea (2.20%)
NEE-Anatolian (Caucasish) faunal subarea (5.52%)
CEE-Anatolian (Upper Euphratian) faunal subarea (6.62%)
EE-Anatolian (Iranish) faunal subarea (2.65%)
S-ANATOLIAN FAUNAL AREA (31.79%)
SW-Anatolian (Pamphylio-Carian) faunal subarea (4.42%)
SCW-Anatolian (Cilician) faunal subarea (10.60%)
SC-Anatolian (Amanusian) faunal subarea (12.58%)
SE-Anatolian (Mesopotamian) faunal subarea (4.19%)
C-ANATOLIAN FAUNAL AREA (10.60%)
CN and NCW-Anatolian (Galatio-Paphlagonian) faunal subarea (2.65%)
CS-Anatolian (Lycanian) faunal subarea (4.86%)
CSW-Anatolian (Pisidian) faunal subarea (0.66%)
CW-Anatolian (Phrygian) faunal subarea (0.44%)
CSE-Anatolian (Cappadocian) faunal subarea (1.99%)
W-ANATOLIAN FAUNAL AREA (7.29%)
W-Anatolian (Aegean or Lydian) faunal subarea (5.52%)
CWW-Anatolian (Phyrgish) faunal subarea (1.77%)
TURKEY (?faunal and subfaunal areas: 8.61%)

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