Biodiversity Journal, 2021,12 (3): 539–560 - https://doi.org/10.31396/Biodiv.Jour.2021.12.3.539.560
https://zoobank.org:pub:D02EA78E-2632-4337-B867-69F775830B3B

The longhorn beetles (Coleptera Cerambycidae) of Mardin province (Turkey) with the description of two new species and one new subspecies

Pierpaolo Rapuzzi[1*], Gianfranco Sama[2], Sadreddin Tusun[3], Hüseyin Cebeci[4], Hüseyin Özdikmen[5], Daniele Baiocchi[6], Gianluca Magnani[7], Ivan Rapuzzi[1] & Musa Geçit[8]

[1]Via Cialla 48, 33040 Prepotto (UD), Italy WBA member. e-mail: info@ronchidicialla.it
[2]Via Raffaello 84, 47023 Cesena (FC), Italy. e-mail: francosama@gmail.com
[3]Dicle University, Ziya Gökalp Education Faculty, Biology Department, 21280, Diyarbakır, Turkey. e-mail: sadreddin.tusun@dicle.edu.tr
[4]Istanbul University-Cerrahpasa, Faculty of Forestry, Istanbul, Turkey. e-mail: hcebeci@istanbul.edu.tr
[5]Department of Biology, Faculty of Science, Gazi University, 06500 Ankara, Turkey; e- mail: ozdikmen@gazi.edu.tr
[6]Via Matteo Babini 26, 00139 Roma, Italy, WBA member. e-mail: danielbai@tin.it
[7]Via Gianfanti 6, 47521 Cesena (FC), Italy, WBA member. e-mail: magnanig@tiscali.it
[8]Nur Mah. Kamu Cad. Buluş Apt. Sitesi A Blok No:10 İç Kapı No:11 Artuklu/Mardin, Turkey; e-mail: musagecitii@gmail.com
[*]Corresponding author

ABSTRACT In this paper we provide a check-list of the Coleoptera Cerambycidae of Mardin province (Southeastern Turkey); describe two new species, *Agapanthia mardinensis* Rapuzzi n. sp. and *Pygoptosia darzerkensis* Rapuzzi n. sp. and one new subspecies, *Phytoecia* (*Neomusaria*) *mesopotamica barbarae* Rapuzzi n. ssp. Additionally, three species and one subspecies are recorded for the first time for the Turkish Fauna. Information obtained from literature is listed, as well as the results of researches conducted in the area by the authors during several entomological expeditions. Additional data of specimens preserved in several European Museums is given.

ÖZET Bu çalışmada, Mardin ilinin Coleoptera Cerambycidae familyasının tür listesi verilmiş olup, iki yeni tür (*Agapanthia mardinensis* Rapuzzi n. sp. ve *Pygoptosia darzerkensis* Rapuzzi n. sp.) ve bir yeni alttür (*Phytoecia* (*Neomusaria*) *mesopotamica barbarae* Rapuzzi n. ssp.) tanımlanmıştır. Ayrıca, ilk olarak Türk faunasında üç tür ve bir alttür kaydedilmiştir. Elde edilen tüm bilgiler listelenen literatürlerden ve araştırıcıların arazi çalışmalarından elde edilmiştir. Avrupa'daki bazı müzelerde korunan örneklere ait ilave veriler de metin içerisinde sunulmaktadır.

KEY WORDS Cerambycidae; new species; new subspecies; new records; fauna; Turkey; Mardin.

Received 26.05.2021; accepted 28.06.2021; published online 24.07.2021

INTRODUCTION

The cerambycid fauna of Mardin turned out to be very interesting and this paper shows how poorly known it has been so far. In fact, only 45 species were known in the literature up to now, while after research carried out by the authors of the present study, that total has been increased to 77 species.

Five species are deleted from the original list due to misidentification (*Pedostrangalia* (*Neosphenalia*) *emmipoda* (Mulsant, 1863); *Purpuricenus dalmatinus* Sturm, 1843; *Dorcdion* (*Cribridorcadion*) *delagrangei* Pic, 1894; *Dorcadion* (*Cribridorcadion*) *hellmanni* Ganglbauer, 1884; *Phytoecia* (*Helladia*) *pretiosa* Faldermann, 1837), while 2 new species (*Agapanthia mardinensis* Rapuzzi sp. nov. and *Pygoptosia darzerkensis* Rapuzzi sp. nov.) and one new subspecies (*Phytoecia* (*Neomusaria*) *mesopotamica barbarae* Rapuzzi ssp. nov.) were discovered and are described below. In addition, three species and one subspecies are recorded for the first time for the Turkish fauna: *Trichoferus ivoi* Kadlec, 2005; *Phytoecia* (s. str.) *aenigmatica* Sama, Rapuzzi & Rejzek, 2007 and *Phytoecia* (s. str.) *centaureae* Sama & Rapuzzi, 2006; *Vadonia unipunctata syricola* Holzschuh, 1993.

MATERIAL AND METHODS

Study area

The studied area is located in the southeastern part of Turkey. It corresponds to the region of Mardin province and includes ten counties (Mardin, Dargeçit, Derik, Kızıltepe, Mazıdağı, Midyat, Nusaybin, Ömerli, Yeşilli, and Savur), covering an area of ca. 889 square kilometers between 36°55' and 38°51' North, and 39°56' and 42°54' East. It borders with the regions of Şanlıurfa, Diyarbakır, Batman, Siirt and Şırnak, as well as with Syria to the south. The area is located in the middle of the two most important rivers in Mesopotamia, the Euphrates (Fırat) on the western side and the Tigris (Dicle) on the eastern side. About 5 % of this land, in the north, is covered by mountains that range from east to west, with an average altitude of 1,000 meters, while in the plains areas it ranges around 600 meters. The area's central orography is mainly represented by a plateau with hills and small valleys, with a typical bushy oak cover, along with many vegetable gardens and cultivated fields. In general, territory conditions are rather dry, though several flowing streams occur there (Gümüş Çayı, Çağ-çağ suyu, Savur Çayı etc.). The true Mardin area shows a typical continental climate, while other parts of its region have different microclimatic conditions with both continental and mediterranean features.

Methods

The present study was carried out in the period of March–October, from 2017 to 2019, in the central districts of Mardin province and Savur district. A total of 120 different localities were investigated, and samples were collected in 86 of these localities. The unidentified specimens were then taken to laboratory in vials containing a solution of 70% alcohol. The binocular microscope used for study the insects was a Wild M3, with magnifications 10x6, 10x16 and 10x40.

The systematic order used is the same used in the Catalogue of the Palearctic Cerambycidae (Löbl and Smetana, 2010) and its most recent update (Danilevsky, 2019). The only difference is that, when the genus is composed by more than one subgenus, we've listed before the species belonging to the nominal subgenus.

The pictures of prepared specimens were taken with a digital camera Olympus Stylus Tough TG4, with an optical zoom 4.5–18.0 mm., 1:2.0–4.9; images of species in nature were taken with a Canon 60D camera with optical zoom 18–135 mm. before their capture.

Data of non-typical specimens are reported verbatim; for what concerns data of type specimens, in order to represent the correct spelling, handwriting, color and order of the lines, pictures of the original labelling are figured at the end of the text.

In order to obtain freshly emerged larvae, wood-samples were collected in the field and taken to laboratory; these samples were kept at room temperature until emergence. For this reason, the date of emergenge in artificial conditions may not correspond to the actual collection period in nature.

The abbreviations of geographical divisions are same as in the Catalogue by Löbl & Smetana (2010), but Transcaucasian republics (Armenia, Azerbaijan and Georgia) are returned to Asia (Danilevsky, 2019).

Specimens cited in this paper belong to the following public and private collections: GSCC: Gianfranco Sama Private Collection, Cesena (FC), Italy. MCLF: Centre de Conservation et d'Étude des Collections, Lyon, France. MGPA: Photographic archive of Musa Geçit, Mardin, Turkey. NMBS: National History Museum Basel, Switzerland. NMPC: National History Museum Praha, Czech Republic. PRCU: Pierpaolo Rapuzzi Private Collection, Cialla di Prepotto (UD), Italy.

RESULTS

PRIONINAE Latreille, 1802
Prionii Latreille, 1802

PRIONINI Latreille, 1802
Prioniens, Prionii Latreille, 1802
Type genus: *Prionus* Geoffroy, 1762

Mesoprionus Jakovlev, 1887
Prionus (*Mesoprionus*) Jakovlev, 1887. Type species: *Prionus asiaticus* Faldermann, 1837.

Mesoprionus persicus (Redtenbacher, 1850)
Prionus persicus Redtenbacher, 1850. Type locality: Südpersien (South Iran).

Range. A: IN IQ TR (Danilevsky, 2019).

Mardin. Artuklu, Nur Mahallesi (Darzerke), 940 m., 20.VI.2016 M. Geçit leg.; Hamzabey Mahallesi (Vadi Birkitılcemel), 976 m., 01.VII.2017, M. Geçit leg. (MGPA).

REMPHANINI Lacordaire, 1868
Remphanides Lacordaire, 1868
Type genus: *Remphan* Waterhouse, 1835.

Rhaesus Motschulsky 1875
Rhaesus Motschulsky, 1875. Type species: *R. persicus* Motschulsky, 1875 (= *Prionus serricollis* Motschulsky, 1838).

Rhaesus serricollis (Motschulsky 1838)
Prionus serricollis Motschulsky, 1838. Type locality: Georgia: Sabin vill. (Kakhetia).

Range. E: AL BU GR MC ST TR YU N: EGi A: AB AR CY GG IN IS LE SY TR (Danilevsky, 2019).

Mardin. Artuklu, Hamzabey Mahallesi (Vadi Birkitılcemel), 1020 m., in pupal cell on *Juglans* sp., 31.VII.2017, M. Geçit leg. (MGPA).

LEPTURINAE Latreille, 1802
Lepturetae Latreille, 1802

LEPTURINI Latreille, 1802
Lepturetae Latreille, 1802
Type genus: *Leptura* Linnaeus, 1758.

Pedostrangalia Sokolov, 1897
Pedostrangalia Sokolov, 1897. Type species: *Pedostrangalia kassjanovi* Sokolov, 1897 (= *L. imberbis* Ménétriés, 1832)

Pedostrangalia (Neosphenalia) Löbl, 2010
Pedostrangalia (*Neosphenalia*) Löbl, 2010. New name for *Sphenalia* Daniel, 1904.
Type species: *Leptura verticalis* Germar, 1822 (Original designation).

Pedostrangala* (*Neosphenalia*) *kurda Sama 1996
Pedostrangalia (*Sphenalia*) *kurda* Sama, 1996. Type locality: Tunceli, Pülümür; Bitlis, Yolbilen (Turkey); Kurdistan: Mishaw (Irak).

Range. A: AR GG IN IQ TR (Danilevsky, 2019).

Mardin. Haberli (1020 m) 33 km south-east of Midyat, 17. and 19.V.2001, leg. M. Rejzek; Hop pass, 6.VI.1998, leg. Halada (Sama, Rapuzzi & Özdikmen, 2012); Mardin (Özdikmen, 2013b: 72); Hop Gecidi, Mardin env., 11−14.5.2005, leg. Orszuli (Coll. S. Kadlec NMPC); Artuklu, Nur Mahallesi, 18.V.2016, M. Geçit leg.; Hamzabey Mahallesi, 900 m., 24.V.2017, on flowers of *Malabaila secacul* and *Paliurus spina-christi*, M. Geçit leg. (MGPA).

[***Pedostrangalia* (*Neosphenalia*) *emmipoda*** (Mulsant, 1863)]
Leptura emmipoda Mulsant, 1863. Type locality: “La Turquie” (Turkey).

Range. E: AR GG GR (Rodos) A: LE SY TR (Danilevsky, 2019).

Mardin. Mazıdağı, 05.VI.1976, fruit tree, det. Lodos, 1 ex (Tezcan et al., 2020a: 44).

Note. This record is, very likely, due to misidentification with the next species, separated recently for the East Turkey populations.

Stenurella Villiers, 1974
Stenurella Villiers, 1974. Type species: *Leptura melanura* Linnaeus, 1758 (original designation).

Stenurella bifasciata solaris Rapuzzi et Sama, 2012
Stenurella solaris Rapuzzi & Sama, 2012. Type locality: Bitlis, 35 Km E Tatvan, Turkey.

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Artuklu, Nur Mahallesi (Darzerke), 900 m., 31.V.2016, on flowers of *Teucrium polium*, M. Geçit leg. (MGPA).

Stictoleptura Casey, 1924
Brachyleptura (*Stictoleptura*) Casey, 1924. Type species: *Leptura cribripennis* LeConte, 1859 (original designation).

Stictoleptura* (s.str.) *cordigera cordigera Fueßlins, 1775
Leptura cordigera Fueßlins, 1775. Type locality: Luggaris (=Lovero, Italy).

RANGE. E: BE BU DE FR GB GE GR (north-east) IT NL RO SP SZ RO ST TR UK N: LB A: AB AR CY GG IN IQ IS LE SY TR (Danilevsky, 2019).

MARDIN. Artuklu, Sultan, Meadow, on flowers of *Rubus sanctus*, 1050 m., 27.06.2017, M. Geçit leg. (MGPA).

NOTE. The type locality is in Italy (Lovero, Sondrio province, Lombardia) and not in Switzerland as currently reported.

***Stictoleptura* (*Paracorymbia*)** Miroshnikov, 1998
Paracorymbia Miroshnikov, 1998. Type species: *Leptura fulva* Degeer, 1775 (original designation).

Stictoleptura (Paracorymbia) cfr. ***sambucicola*** Holzschuh, 1982
Brachyleptura sambucicola Holzschuh, 1982. Type locality: Anatolien, Kilik. Taurus, Vill. Mersin, Namrun (Turkey).

RANGE. A: SY TR (Danilevsky, 2019).

MARDIN. Artuklu, Yaylabaşı Mah (Şatıh), on flower of *Rosa damascena*, 1050 m., 21.V.2018, M. Geçit leg. (MGPA).

NOTE. This record is based on a picture, and no specimens were available for study. According to the picture (actually a bad quality one), the elytral apex appears yellow. Because of this character, this specimen does not match with typical *S. sambucicola*. Therefore, waiting to examine some specimens to determine its true identity, we prefer for the moment to refer to this species as *S.* cfr. *sambucicola*.

Vadonia Mulsant, 1863
Vadonia Mulsant, 1863. Type species: *Leptura unipunctata* Fabricius, 1787 (designated by Fairmaire, 1864).

Vadonia unipunctata syricola Holzschuh, 1993
Vadonia unipunctata syricola Holzschuh, 1993. Type locality: Syria bor. occ., Djebel Ansariya, Abu Quaiez.

RANGE. A: LE SY (Danilevsky, 2019); TR (new record).

MARDIN. Artuklu, Hamzabey Mahallesi (Vadi Birkitılcemel), 940 m. on flowering *Malabaila secacul*, 7.V.2016, M. Geçit leg. (MGPA).

RHAGIINI Kirby in Richardson, 1837
Raghiadae Kirby in Richardson, 1837. Type genus: *Rhagium* Fabricius, 1775.

Cortodera Mulsant, 1863
Cortodera Mulsant, 1863. Type species: *Grammoptera spinosula* Mulsant, 1839 (= *Leptura humeralis* Schaller, 1783).

Cortodera colchica Reitter, 1890
Cortodera colchica Reitter, 1890. Type locality: Kaukasus, Araxestal (Armenia).

RANGE. E: ST A: AB AR TR (Danilevsky, 2019).

MARDIN. Artuklu, Hamzabey Mahallesi, on flowering *Cyanus triumfettii*, 01.V.2016 M. Geçit leg.; idem 07.V.2017 (MGPA).

Cortodera syriaca didemae Özdikmen, 2016
Cortodera orientalis didemae Özidikmen, 2016. Type locality: Mardin (Turkey).
Cortodera syriaca didemae: Danilevsky, 2019.

RANGE. A: TR (Özdikmen, 2016a).

MARDIN. Mardin (type loc.); Mardin, Artuklu Nur Mahallesi (Darzerke), adults sitting on *Gundelia* sp. 950 m, 23.IV.2016, M. Geçit leg. (MGPA).

NOTE. Danilevsky (2019) wrote: "Cortodera orientalis didemae *Özdikmen, 2016 was described on*

the basis of a single male from SE Anatolia (Mardin prov. - without precise locality). The male does not belong to C. orientalis *because of short and wide body. It looks like C. syriaca Pic, 1901 with bicolored middle and hind legs, while all specimens of* C. syriaca *from Transcaucasia to Syria known to me have middle and hind legs black. Bicolored middle and hind legs are known in* C. syriaca nigroapicalis *Holzschuh, 1981 from Hakkâri prov. and in specimens from West Iran. So, until better study a new subspecies from Mardin can be accepted:* C. syriaca didemae *Özdikmen, 2016*".

In our opinion this subspecies should be synonymized with *Cortodera syriaca* ssp. *nigroapicalis* Holzschuh, 1981 because subsequently many species from Eastern Turkey and Western Iran have also been discovered in Mardin, and the characters used to separate this subspecies are the same used to separate the subspecies *nigroapicalis*. Therefore, we prefer to examine more specimens from this locality, before formalizing this synonymy.

CERAMBYCINAE Latreille, 1802
Cerambycinae Latreille, 1802

CALLICHROMATINI Swainson et Shukard, 1840
Callichrominae Swainson & Shukard, 1840. Type genus: *Callichroma* Latreille, 1817.

Osphranteria Redtenbacher, 1850
Osphranteria Redtenbacher, 1850. Type species: *Osphranteria suaveolens* (designated by Thomson, 1864).

Osphranteria coerulescens Redtenbacher, 1850
Osphranteria coerulescens Redtenbacher, 1850. Type locality: Persia (Iran).

Range. A: IN IQ PA TR (Danilevsky, 2019).

Mardin. Mardin (Heyden, 1894; Plavilstshikov, 1933; Kaplan, 2013); Artuklu, Nur Mahallesi (Darzerke), 900 m., 29.VI.2016., M. Geçit leg. ; Yenişehir Mahallesi, 947 m., 23.VI.2017 M. Geçit & S. Tusun leg. (MGPA).

CERAMBYCINI Latreille, 1802
Cerambycini Latreille, 1802
Type genus: *Cerambyx* Linnaeus, 1758

Cerambyx Linnaeus, 1758
Cerambyx Linnaeus, 1758. Type species: *Cerambyx cerdo* Linnaeus, 1758.

Cerambyx cerdo cerdo Linnaeus 1758
Cerambyx cerdo Linnaeus, 1758. Type locality: "Italy, Germany".

Range. E: AL AU BE BH BU BY CR CT CZ FR GBi GE GR HU IR IT LA LU MA MC MD NL PL RO SK SL ST SV SZ TR UK YU N: MO A: TR (Danilevsky, 2019).

Mardin. Hop Geçidi (Çinaralti vill.), 15 km NE Mardin, 3723N 4051E, 16.V.2001 (MF).

Cerambyx dux **(**Faldermann, 1837)
Hammaticherus dux Faldermann, 1837. Type locality: Transcaucasia.

Range. E: BU MC ST UK A: AB AR GG IN IS JO LE SY (Danilevsky, 2019).

Mardin. Artuklu, Nur Mahallesi Hamzabey Mahallesi, 27.VI.2017, M. Geçit leg.; Artuklu, Nur Mahallesi (Darzerke), 22.VII.2016, M. Geçit leg.; Hamzabey Mahallesi (Vadi Birkitılcemel), 16.VI.2017, M. Geçit leg. (MGPA).

Cerambyx nodulosus nodulosus Germar, 1817
Cerambyx nodulosus Germar. Type locality: aus Krain (Carniola, Slovenia).

Range. E: AL BH BU CR GR IT MA MC RO SL ST TR UK YU A: AB AR CY GG LE TR (Danilevsky, 2019).

Mardin. Hop Gec., 28.V (Adlbauer, 1992: 494; Özdikmen, 2013a: 76; Avgın et al., 2014: 8); Artuklu, Yaylacık (Küferdel) Leylak meadow, on flowers of *Rubus sanctus*, 1050 m., 27.VI.2017, M. Geçit; idem 6.VII.2017, M. Geçit, S. Tusun & H. Cebeci leg. (MGPA).

CERTALLINI Fairmaire, 1864
Sténopérites (Cartallites) Fairmaire, 1868. Type genus: *Cartallum* Serville, 1834.

Certallum Dejean, 1821
Certallum Dejean, 1821. Type species: *Saperda ruficollis* Fabricius, 1787 (= *Cerambyx ebulinus* Linnaeus, 1767) (monotypy).

Certallum ebulinum Linnaeus, 1767
Cerambyx ebulinus Linnaeus, 1767. Type locality: "Gallia" (France).

RANGE. E: AL BU FR GR MA MC PT SP ST TR UK A: AB AR CY GG IN IQ IS JO LE SY TR N: AG EG LB MO TU (Danilevsky, 2019).

MARDIN. Hop Geç.: Pinardere (Özdikmen, 2013a: 78); Hop Gec. 1100 m, 15 km NE Mardin, 37°22'N 40°53'E, 9.5.2007, leg. E. Hajdaj (Coll. S. Kadlec, NMPC); Artuklu, Nur Mahallesi (Darzerke), 950 m., 14.IV.2016, M. Geçit (MGPA).

Certallum thoracicum (Sharp, 1880)
Cartallum thoracicum Sharp, 1880. Type locality: "Near Jeddah (Saudi Arabia)" (wrong locality).

RANGE. A: IN IQ IS JO LE SY TR (Danilevsky, 2019).

MARDIN. Mardin (Coll. Frey, NMBS); Hop Gec., Mardin env., 11.−14.5.2005, leg. Orszulik (Coll. S. Kadlec, NMPC); Artuklu, Hamzabey Mahallesi (Vadi Birkitılcemel), 1001 m., on *Cardaria draba*, 23.IV.2017, M. Geçit leg.; idem, 11.IV.2018, M. Geçit & S. Tusun leg. (MGPA).

CLYTINI Mulsant, 1839
Clytaires Mulsant, 1839.
Type genus: *Clytus* Laicharting, 1784.

Chlorophorus Chevrolat, 1863
Chlorophorus Chevrolat, 1863. Type species: *Callidium annulare* Fabricius, 1787

Chlorophorus varius damascenus (Chevrolat, 1854)
Clytus damascenus Chevrolat, 1854. Type locality: ''Environs de Damas'' (Syria).
Chlorophorus varius varius: Tezcan et al., 2020a: 94.
Chlorophorus damscenus: Özdikmen et al., 2016: 367.

RANGE. E: GR (Rodos) N: EG A: CY ?IN IS IQ JO LE SY TR (Danilevsky, 2019).

MARDIN. Mardin (Lodos, 1998); Mardin (Özdikmen et al., 2016); Artuklu, Nur Mahallesi (Darzerke), on flowers of *Teucrium polium*, 940 m., 31.V.2016 Birey Geçit leg. (MGPA); Hop Geçidi, 1100 m., 9.V.2014, ex larva *Ficus carica*, emerged 18.VII.2014, P. Rapuzzi leg. (PRCU).

Plagionotus Mulsant, 1842
Plagionotus Mulsant, 1839 (new name for *Platynotus* Mulsant, 1839).
Type genus: *Leptura detrita* Linnaeus, 1758 (designated by Thomson, 1864).

Plagionotus (Echinocerus) Mulsant, 1862
Echinocerus Mulsant, 1862. Type species: *Leptura floralis* Pallas, 1773 (monotypy).

Plagionotus* (*Echinocerus*) *floralis (Pallas, 1773)
Cerambyx floralis Pallas, 1773. Type locality: "Russia mer.".

RANGE. E: AL AU BH BU CR CT CZ FR GE GR HU IT LA LT MC MD NT PL RO SK SL SP ST SZ TR UK YU A: AB AR ES GG IN IQ IS JO KI KZ LE TD TM TR UZ WS XIN (Danilevsky, 2019).

MARDIN. Ömerli (Tezcan et al., 2020a: 51); Artuklu, Hamzabey Mahallesi (Vadi Birkitılcemel), on flowers of *Malabaila secacul*, 970 m., 21.V.2016, M. Geçit leg. (MGPA).

Plagionotus (Neoplagionotus) Kasatkin, 2005
Neoplagionotus Kasatkin, 2005. Type species: *Clytus Bobelayei* Brullé, 1832.

Plagionotus* (*Neoplagionotus*) *bobelayei mouzafferi Pic, 1905
Plagionotus Bobelayei var. *Mouzafferi* Pic, 1905. Type locality: Perse: de Susa à Ispahan (Iran).

RANGE. A: IN IQ IS JO SY TR (Danilevsky, 2019).

MARDIN. Artuklu, Nur Mahallesi (Darzerke), 950 m., 19.V.2016, M. Geçit leg. (MGPA).

DEILINI Mulsant, 1862
Déilates Mulsant, 1862.
Type genus: *Deilus* Audinet-Serville, 1834

Delagrangeus Pic, 1892
Delagrangeus Pic, 1892. Type species: *Delagrangeus angustissimus* Pic, 1892 (by monotypy)
Edithia Reitter, 1899. Type species: *Edithia carbonaria* Reitter, 1899 (by monotypy)
Delagrangeus angustissimus angustissimus Pic, 1892

Delagrangeus angustissimus Pic, 1892. Type locality: Haute Syrie, Akbez, Yeniyapan (Turkey).
Delagrangeus angustissimus: Plavilstshikov, 1931: 142
Edithia carbonaria Reitter, 1899. Type loc.: Mardin (Turkey)

Delagrangeus angustissimus angustissimus Pic, 1892
Delagrangeus angustissimus Pic, 1892. Type locality: Haute Syrie (very likely Turkey, Hatay province).

Range. A: TR (Danilevsky, 2019).

Mardin. Mardin (Reitter, 1899, type locality of *Edithia carbonaria*; Mardin (Plavilstshikov, 1931).

HESPEROPHANINI Mulsant, 1839
Hesperophanaires Mulsant, 1839
Type genus: *Hesperophanes* Mulsant, 1839

Stromatium Audinet-Serville, 1834
Stromatium Audinet-Serville, 1834. Type species: *Callidium barbatum* Fabricius, 1775 (by monotypy).

Stromatium auratum Böber, 1793
Saperda aurata Böber, 1793. Type locality: Tauria (Crimea, Russia).

Range. E: AL BH BU CR FR GR HU IT MA MC PT RO SP ST TR UK YU A: AB AR CY GG IN IQ IS JO LE SY TM TR N: AG MO TU LB (Danilevsky, 2019).

Mardin. Artuklu, Cevizlik village (Cewzat), 26.VII.2018, M. Geçit leg. (MGPA).

Trichoferus Wollaston, 1854
Trichoferus Wollaston, 1854. Type species: *Trichoferus senex* Wollaston, 1854.

Trichoferus ivoi Kadlec, 2005
Trichoferus ivoi Kadlec, 2005
Type locality: Iran, IR, pr. Buyer Ahmad-e Kuhgiluye, 5 km E Si Saht (Denar Mts.) 2465 m)

Range. A: IN (Danilevsky, 2019), TR (new record).

Mardin. "Mardin" (GSCC).

Note. One old specimen preserved in Sama's collection. Recentely one more specimen was reared from a small branch of *Ficus carica* in Siirt prov., SE Eruh 14.V.2018, 1104 m. 37°42'59''N 42°15'15''E, P. Rapuzzi leg.

Trichoferus lunatus (Szallies, 1994)
Hesperophanes lunatus Szallies, 1994
Type locality: SO-Türkey, Mardin, Hop Gecidi (holotypus in coll. Adlbauer, Graz).

Range. A: IN TR (Danilevsky, 2019).

Mardin. Hop pass, 1138 m, 28.VI.2010, one immature female in pupal cell and several fresh exit holes in *Quercus* sp.; idem, 14.V.2011, several larvae in twigs of *Quercus* sp. (one specimen emerged on 15.VI.2011); 6 km east of Arıcḷı, 1000 m, larvae in twigs of *Quercus* sp.; 11 km east of Midyat, idem (Sama et al., 2012; Özdikmen, 2013a: 74).

Trichoferus preissi (Heyden 1894)
Hesperophanes preissi Heyden, 1894
Type locality: Mardin (Turkey).

Range. A: TR (Danilevsky, 2019).

Mardin. Mardin (type loc.); Mardin (Özdikmen, 2013a: 74); Artuklu, Nur Mahallesi (Darzerke), 26.VI.2016, M. Geçit leg. (MGPA); Hop Geçidi, 1100 m., 9.V.2014, ex larva *Ficus carica*, emerged 18.VII.2014, P. Rapuzzi leg. (PRCU).

PURPURICENINI Thomson, 1860
Purpuricenini Thomson, 1860
Type genus: *Purpuricenus* Dejean, 1821

Calchaenesthes Kraatz, 1863
Calchanesthes Kraatz, 1863. Type species: *Callidium oblongo-maculatum* Guérin-Méneville, 1844 (original designation).

Calchaenesthes primis Özdikmen, 2013
Calchaenesthes primis Özdikmen, 2013. Type locality: Turkey: Içel.

Range. A: CY TR (Danilevsky, 2019).

Mardin. Mardin (Özdikmen & Cihan Tüzün, 2018: 109).

Purpuricenus Dejean, 1821

Purpuricenus Dejean, 1821. Type species: *Cerambyx kaehleri* Linnaeus, 1758.

Purpuricenus apicalis Pic, 1905
Purpuricenus dalmatinus v. apicalis Pic, 1905. Type locality: Mar-Yacoub (Monastère Saint-Jacques) (Irak).
Purpuricenus dalmatinus: Özdikmen, 2008: 372; Avgın et al., 2014: 17.

RANGE. A: IN IQ TR (Danilevsky, 2019).

MARDIN. Mardin (Özdikmen, 2008 sub *P. dalmatinus* (Sturm, 1843); Avgın et al., 2014 sub *P. dalmatinus*).

NOTE. In this area *P. dalmatinus* is replaced by *P. apicalis*, so all the records must be refered to *apicalis*. Moreover *P. apicalis* is recorded for a locality very close to Mardin province: Haberli (Sirnak prov.), 1020 m., 17–19.V.2001 (Sama et al., 2012).

Purpuricenus budensis (Götz, 1783)
Cerambyx budensis Götz, 1783. Type locality: Hungary, Osen.

RANGE. E: BH BU CT CR FR GR HU IT MC MD RO SK SL SP ST TR UK YU A: AB AR CY GG IS LE SY TR WS (Danilevsky, 2019).

MARDIN. Mardin (Tezcan et al., 2020a: 58).

Purpuricenus interscapillatus Plavilstshikov, 1937
Purpuricenus budensis v. interscapillatus Plavilstshikov, 1937. New name for *Purpuricenus budensis* v. *humeralis* Pic, 1891. Type locality: Asie Mineure (Turkey).
Purpuricenus interscapillatus ssp. *interscapillatus*: Rapuzzi & Sama, 2013: 144.

RANGE. A: SY TR (Danilevsky, 2019).

MARDIN. Mardin (Rapuzzi & Sama, 2013); Mardin. Midyat (20 Km SO), 5.VI.1998, M. Snizek leg. (Coll. Kadlec, National Museum, Praha, Czech Republic); Haberli (1020 m) 33 km SE Midyat, 17–19.V.2001 (GSCC); Mardin prov., Hop Geç., 1000 m., 9.V.2014, ex larva *Quercus* sp., emerged 30.V.2015, P. Rapuzzi leg. (PRCU).

Purpuricenus wachanrui Levrat, 1858
Purpuricenus wachanrui Levrat, 1858. Type locality: Turquie (Turkey).

RANGE. A: AB CY IN IQ SY TR (Danilevsky, 2019).

MARDIN. Artuklu, Nur Mahallesi (Darzerke), 900 m., 19.V.2016, on flowers of *Paliurus spina-christi*, M. Geçit leg. (MGPA).

[***Purpuricenus dalmatinus*** Sturm 1843]
Purpuricenus dalmatinus Sturm, 1843. Type locality: Dalmatien (Dalmatia, Croatia).

RANGE. E: BH BU CR GR IT MC SL A: IS JO LE SY TR (Danilevsky, 2019).

MARDIN. Mardin (Özdikmen, 2008; Avgın et al., 2014).

NOTE. As explained before, the records of this species must refered to *P. apicalis* that is vicariant in this area with this species.

STENOPTERINI Gistel, 1848
Stenopteridae Gistel, 1848 Gistel, 1848
Type genus: *Stenopterus* Illiger, 1804

Callimus Mulsant, 1846
Callimus Mulsant, 1846. Type species: *Callimus bourdini* Mulsant, 1846 (= *Saperda angulata* Schrank, 1789) (by monotypy).

Callimus (Lampropterus) Mulsant, 1862
Callimus (*Lampropterus*) Mulsant, 1862. Type species: *Necydalis femoratus* Germar, 1823 (by monotypy).

Callimus* (*Lampropterus*) *femoratus (Germar, 1823)
Necydalis femoratus Germar, 1823. Type locality: Rossia meridionalis (Russia).
Callimellum adonis: Plavilstshikov, 1931: 103

RANGE. E: AL BU GR MC MD RO ST TR UK YU A: AB AR GG IN IS CY LE SY TR (Danilevsky, 2019).

MARDIN. Mardin (Plavilstshikov, 1931); Derik, 5.VI.1976 (Tezcan, 2020a: 55); MARDIN. Hop pass, 1138 m, 14.V.2011, several adults in pupal cell on *Quercus* sp. (Sama et al., 2012); Çaglar vill., 37°22’59’’N 40°42’06’’, 997 m., 13.V.2018, P. Rapuzzi leg. (PRCU).

LAMINAE Latreille, 1825
Lamiaires Latreille, 1825

AGAPANTHIINI Mulsant, 1839
Agapanthaires Mulsant, 1839
Type genus: *Agapanthia* Serville, 1835.

Agapanthia Audinet-Serville, 1835
Agapanthia Serville, 1835
Type species: *Saperda cardui* Fabricius, 1801 (= C*erambyx cardui* Linnaeus, 1767), designated by Westwood (1840).

Agapanthia (***Agapanthia***) ***suturalis*** (Fabricius, 1787)
Saperda suturalis Fabricius, 1787. Type locality: "Habitat in Africae plantis" (Barbarie, Algeria).

Range. E: FR GR (Dodecanissos) IT MA PT SP N: AG CI LB MO TU A: AB AR GG CY IN IS IQ JO LE SY TR (Danilevsky, 2019).

Mardin. Nur Mahallesi (Darzerke), 940 m., 19.IV.2016, on *Gundelia* sp., M. Geçit leg.; idem, 8.V.2017 (MGPA).

Agapanthia **(*Agapanthoplia*)** Pesarini et Sabbadini, 2004
Agapanthoplia Pesarini & Sabbadini, 2004
Type species: *Agapanthia coeruleipennis* Frialdszky, 1878 (original designation).

Agapanthia **(*Agapanthoplia*)** ***coeruleipennis*** Frivaldszky, 1878
Agapanthia coeruleipennis Frivaldszky, 1878. Type locality: Asia Minor (Turkey).

Range. A: IN SY TR (Danilevsky, 2019).

Mardin. Mardin (Özdikmen et al., 2005: 26; Özdikmen, 2013b: 98; Özdikmen, 2013b: 23); Mardin Artuklu, Nur Mahallesi (Darzerke), 900 m., 23.IV.2016, on *Gundelia* sp., M. Geçit leg.; Yaylacık (Küferdel), Leylak meadow, 1080 m., 18.IV.2018, on *Gundelia* sp., M. Geçit & S. Tusun leg. (MGPA).

Agapanthia **(*Epoptes*)** Gistel, 1857
Epoptes Gistel, 1857
Type species: *Saperda asphodeli* Latreille, 1804 (original designation).

Agapanthia **(*Epoptes*)** ***dahli walteri*** Reitter, 1898
Agapanthia walteri Reitter, 1898. Type locality: Armenien: Erzerum. Kleinasien: Mardin (Turkey).

Range. A: AB AR GG IN TR (Danilevsky, 2019).

Mardin. Mardin (Type locality); Mardin (Özdikmen, 2013b: 97; Özdikmen, 2013b: 22);Hop Geçidi (Çinaralti vill.) 15 km NE Mardin, 3723N 4051E, 16.V.2001, M. Rejzek leg. (GSCC); Artuklu, Nur Mahallesi (Darzerke), 950 m., 29.IV.2016, M. Geçit leg.; Hamzabey Mahallesi (Vadi Birkitılcemel), 970 m., 26.V.2017, on *Onopordon carduchorum*, M. Geçit leg. (MGPA); Cevizpinari vill., 37, 423058N 40 7750896E, 13.V.2018, P. Rapuzzi leg. (PRCU).

Agapanthia **(*Epoptes*)** ***simplicicornis*** Reitter, 1898
Agapanthia simplicicornis Reitter, 1898. Type locality: Klein Asien, Mardin (Turkey).

Range. A: TR (Danilevsky, 2019).

Mardin. Mardin (type locality); Mardin (Özdikmen, 2013b: 97; Özdikmen, 2013b: 20).

Agapanthia **(*Epoptes*)** ***verecunda*** Chevrolat, 1882
Agapanthia verecunda Chevrolat, 1882. Type locality: Syrie, in montibus Drusarum.

Range. A: TR (Danilevsky, 2019) SY (type locality).

Mardin. Mardin (Önalp, 1989: 205); Mardin (Özdikmen, 2013b: 97; Özdikmen, 2013b: 21); Mardin (GSCC).

Agapanthia **(*Smaragdula*)** Pesarini et Sabbadini, 2004
Agapanthia subg. *Smaragdula* Pesarini et Sabbadini, 2004
Type species: *Saperda violacea* Fabricius, 1775 (original designation).

Agapanthia **(*Smaragdula*)** ***frivaldszkyi*** Ganglbauer, 1884
Agapanthia frivaldszkyi Ganglbauer, 1884. Type locality: Kleinasien (Turkey).

Range. E: BU RO A: IS IN IQ JO SY TR (Danilevsky, 2019).

MARDIN. Mardin, 3.VI.1976, *Prunus dulcis* (Tezcan et al. 2020b; 155); Nur Mahallesi (Darzerke), 940 m., 29.IV.2016, M. Geçit leg.; idem, 15.V.2017, M. Geçit & S. Tusun leg. (MGPA); Cevizpinari vill., 37, 423058N - 40 7750896E, 13.V.2018, P. Rapuzzi leg. (PRCU); Çaglar vill., 37°21'56''N 40°40'53''E, 963 m., 13.V.2018, P. Rapuzzi leg. (PRCU); Çaglar vill., 37°21'30''N 40°41'33''E, 949 m., 13.V.2018, P. Rapuzzi leg. (PRCU).

NOTE. The indication of *Prunus dulcis* (Tezcan et al., 2020b) is evidentely wrong, the species is strictly oligophagous on *Dipsacaceae*.

Agapanthia* (*Smaragdula*) *lais Reiche et Saulcy, 1858

Agapanthia lais Reiche & Saulcy, 1858. Type locality: "Peloponnèse" (S Greece) (wrong locality).

RANGE. A: IS JO LE SY TR (Danilevsky, 2019).

MARDIN. Mardin (Onalp, 1988: 270; Özdikmen, 2013b: 98; Özdikmen, 2013b: 28).

Agapanthia* (*Smaragdula*) *mardinensis Rapuzzi n. sp. (Fig. 1)

https://zoobank.org:act:D65271BE-68C0-4F77-9CF1-76871CB5F187

TYPE SERIES. Holotype ♂: Turkey, MARDIN. Artuklu, Hamzabey Mahallesi (Vadi Birkitılcemel), 992 m., 01.V.2018, on *Astragalus aleppicus*, M. Geçit leg. (PRCU). Paratypes: 2♂♂ and 3♀♀, same data as the holotype, on *Astragalus aleppicus* and *Astragalus babacianum*; 1♂ and 1♀, same data as the holotype, 08.IV.2017, on *Astragalus aleppicus* (PRCU, MGPA); 1♂ MARDIN. Hop Geç. 11.IV.2014, A. Sabbadini leg. (PRCU).

DESCRIPTION OF THE HOLOTYPE MALE. Length 8.3 mm., humeral width 1.8 mm. Elytra bluish-green, head and pronotum golden-green, with metallic shine. Head deeply punctured, with denser punctures on the vertex than on the frons. Frons large, with a central short and shallow furrow starting at the insertion of the antennae and reaching the middle of the frons, with dense and large punctures, the space between them being somewhat wider than the diameter of a single puncture. Pubescence of the head black, with long and erect setae which are denser on vertex and frons. Inner ocular margin densely bordered with recumbent white setae. The same kind of pubescence covers the outer margin of the mandibles.

Antennae long, exceeding the elytral apex by the last six segments. Scape and pedicellum metallic blue, the following antennomeres darker, only slightly metallic blue. Scape with punctures rather large, thick and deep, while on the following segments they are smaller and denser.

Pronotum as long as wide. Lateral margins sinuate, enlarged just behind the middle and narrowed close to the apex and base. Surface densely covered by punctures of regular size, with space between them distinctly smaller than the size of a single puncture. Close to the apical portion the sculpture is arranged in transverse wrinkles. A few wrinkles are also present on the discal area, although very small and short. Pubescence consisting in very long, erect, black setae, slightly denser on the sides.

Scutellum deep-blue, short, wider than long, oval shaped, its surface glabrous, punctate and with a very thin median line.

Elytra long, constricted toward the apex, with apex rounded. Elytral surface deeply punctured, with very dense and deep punctures, the space between the punctures is covered by a micro-sculpture that gives a matte aspect to the elytra. Basal elytral portions slightly depressed between the scutellum and the humeral angle. Elytral pubescence composed of two different kind of setae, the more evident one made of very long black bristles, dense and erect; between these bristles is found a dense basal pubescence, shorter and partially recumbent toward the elytral apex, dark-brown. The elytral ground color is metallic blue, except for the lateral margin and the apex which are metallic green.

Legs long, green, covered with long, erect, black setae scattered between a dense, shorter and recumbent grey pubescence.

VARIABILITY. The body size of males shows a length ranging between 8–9 mm and an humeral width between 1.8–1.9 mm. The females show a range of length between 11.0 and 12.5 mm, and an humeral width between 2.9 and 3.1 mm. Two paratypes show darker blue elytra. The female differs from the male by the shorter antennae, a more parallel elytral shape, and the larger size.

BIOLOGY. All the known specimens were collected on leaves of *Astragalus aleppicus* and *Astra-*

Figure 1. *Agapanthia (Smaragdula) mardinensis* Rapuzzi n. sp. Holotype male. Figure 2. *Agapanthia (Smaragdula) mardinensis* n. sp. Paramers. Figure 3. *Agapanthia (Smaragdula) naciyae* Rapuzzi & Sama, 2012. Paramers.

galus babacianum (Fabaceae), which also very likely represent the host-plant of the new species.

Remarks. The new species is related to *Agapanthia naciye* Rapuzzi et Sama, 2012 described from Eastern Turkey (Erzincan: 12 Km W Refahiye), and to *Agapanthia petranyi* Kotán, 2014 (Iran, Kordestan, Sanandag, Askaran); taken together they seemingly form an homogenous group of species, characterized by the wide shape of body and the short antennae, and are ecologically connected with *Astragalus* host-plants. *Agapanthia mardinesis* is easily distinguished from the other species of the same group by its bicolored body: head and pronotum always golden-green, and blue elytra. The new species also differs from *A. naciyae* by the few wrinkles on the pronotal disc which are totally missing in *A. naciyae*. From *A. petranyi* the new species differs by the less stout shape of the body, and the more slender pronotum. The furrow in the middle of the head is longer and deeper in the Iranian species.

The parameres of the new species are very distinctive compared with the closest species (*A. naciyae*) for the shape. In fact, they are smaller, oval shaped instead longer and sinuate at the base and with a denser touft of hairs at the apex (Figs. 2, 3).

Agapanthia* (*Smaragdula*)** cfr. ***violacea (Fabricius, 1775)
Saperda violacea Fabricius, 1775. Type locality: "Regio Pedemontana" (Piemonte, Italy).

Range. E: AL AU BE BU CT CR CZ FR GE GR HU IT LA LU MC MD NT PL PT SK SL SP ST TR UK YU A: AB AR ES GG KZ TR (Danielvsky, 2018).

Mardin. Hop Gecidi, Mardin env., 11.-14.5.2005, leg. Orszulik (NMPC).

Agapanthia* (*Synthapsia*) *kirbyi Gyllenhal, 1817
Saperda kirbyi Gyllenhal, 1817. Type locality: "Lusitania" (Portugal).

Range. E: AL BH BU CR CT FR GR HU IT IQ KZ MD RO SK SP ST TR UK YU A: AB AR GG IN IS SY TM TR (Danilevsky, 2019).

Mardin. Ömerli, 12.VI.1972, *Platanus orientalis* (Tezcan et al., 2020b: 154); Nur Mahallesi (Darzerke), 940 m. 15.V.2016, on *Verbascum lasianthum*, M. Geçit leg.; idem, 26.V.2017 (MGPA).

Note. The indication of *Platanus* (Tezcan et al., 2020b) is evidentely wrong, indeed this species is strictly monophagous on *Verbascum*.

DORCADIONINI Swainson, 1840
Dorcadioninae Swainson, 1840
Type genus: *Dorcadion* Dalman, 1817.

Dorcadion Dalman, 1817
Dorcadion Dalman, 1817
Type species: *Cerambyx glicyrrhizae* Pallas, 1771 (designed by Thomson, 1864).

***Dorcadion* (*Cribridorcadion*)** Pic, 1901
Dorcadion subgenus *Cribridorcadion* Pic, 1901

Type species: *Dorcadion mniszechi* Kraatz, 1873 (original designation).

Dorcadion* (*Cribridorcadion*) *accola Heyden, 1894
Dorcadion accola Heyden, 1894. Type locality: Mardin (Turkey).

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Mardin (type locality); Mardin (Braun, 1978: 109; Özdikmen, 2013a: 82: Özdikmen, 2016a: 2403); Mardin; Mardin, Savur-Midyat, 10.IV.1979 V. Günes¸ leg. (Önalp, 1991: 219); Artuklu, Nur Mahallesi (Darzerke), 950 m., 05.IV.2017, M. Geçit. leg.; Hamzabey Mahallesi (Vadi Birkıtılcemel), 1200 m., 11.IV.2017, M. Geçit & S. Tusun leg. (MGPA).

Dorcadion* (*Cribridorcadion*) *carinipenne Pic, 1900
Dorcadion carinipenne Pic, 1900. Type locality: Haute Syrie: Akbès (Turkey).

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Mardin (Taurus) (NMBS, ex coll. Breuning).

Dorcadion* (*Cribridorcadion*) *mesopotamicum Breuning, 1944
Dorcadion (*Pedestredorcadion*) *mesopotamicum* Breuning, 1944. Type locality: "Mesopotamie, Ras Elain" (NE Syria).
Dorcadion (*Pedestredorcadion*) *mesopotamicum* m. *submardinense* Breuning, 1946: 109.

RANGE. IQ TR (Danilevsky, 2019) ; SY (Breuning, 1944).

MARDIN. Mardin (type locality of *Dorcadion* (*Pedestredorcadion*) *mesopotamicum* m. *submardinense* Breuning, 1946: 109); Mardin (Özdikmen, 2013a: 85; Özdikmen 2016a: 2429).

Dorcadion* (*Cribridorcadion*) *oezdurali Önalp, 1988
Dorcadion oezdurali Önalp, 1988
Type loc.: Turkey, Kahramanmaras¸, Ahir dağı.
Dorcadion divisum m. *intercisum*: Braun, 1978: 113.

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Akresi Pass, m. 1000, IV.1976, leg, Heinz (Braun, 1978 sub *Dorcadion divisum* m. *intercisum* Kraatz, 1873) (Özdikmen, 2016a: 2411, sub *Dorcadion catenatum* ssp. *intercisum*).

NOTE. In our opinion this record should be referred to *Dorcadion* (*Cribridorcadion*) *oezdurali* Önalp, 1988, the only species known from SE Turkey (Adıyaman prov., Kahramanmaras¸ prov., Özdikmen, 2010: 453) with similar elytral drawing.

Dorcadion* (*Cribridorcadion*) *schultzei Heyden, 1894
Dorcadion schultzei Heyden, 1894. Type locality: Mardin (Turkey).

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Mardin (1 PT, Coll. Lepesme, MCLF); Mazıdağı b. Mardin, m.800, IV.1976; Akresi pass b. Mardin, m.1000, IV. 1976, leg. Heinz (Braun, 1978: 112); Mardin (Özdikmen, 2013a: 86; Özdikmen, 2016a: 2442); Gurpinar, m.900, b. Mazıdağı (NMBS); Hop Geçidi (Çinaralti vill.) 15 km NE Mardin, 3723N 4051E, 16.V.2001; 10 km NE of Mardin, 900 m - 11.4.1992, B. Zvarič leg.; Hop Gecidi, Mardin env., 11.−14.5.2005, Z. Malinka leg. (NMPC).

[***Dorcadion* (*Cribridorcadion*) *delagrangei*** Pic, 1894]
Dorcadion delagrangei Pic, 1894. Type locality: Haute Syrie: Akbès (Turkey).
Dorcadion accola var. *mardinense* Pic, 1900. Type locality: Mardin (Turkey).

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Mardin (Pic, 1900; Özdikmen, 2016a).

NOTE. The record is based on the description of *D. accola* var. *mardinense* Pic, 1900 originally described as a variation of *D. accola* and later transferred to *D. delagrangei* by Breuning (1962: 273). Very likely it is simply a variation of *D. accola* due to the sympatric distribution of these forms. To confirm the real presence of this species in Mardin area it will be necessary to study the type specimen preserved in Pic's collection. In our opinion *D. accola* and *D. delagrangei* are two distinct species, the first one distributed in the eastern region of Hatay region and the second one from Hatay to Adana provinces and *mardinense* must be a synonym of *D. accola.*

[***Dorcadion* (*Cribridorcadion*) *hellmanni*** Ganglbauer, 1884]
Dorcadion hellmanni Ganglbauer, 1884. Type locality: Persien (Iran).

RANGE. A: IN IQ TR (Danilevsky, 2019).

MARDIN. Hop pass, 1138 m, 14.V.2011, one dead specimen under stones (Sama et al., 2012: 35; Özdikmen, 2013a: 84; Özdikmen, 2016a: 2421).

NOTE. This record is incorrect due to misidentification and must be referred to *D. accola* Heyden, 1894. For this reason, the species is deleted from the list of species from MARDIN.

PHYTOECIINI Mulsant, 1839
Phytoeciares Mulsant, 1839. Type genus: *Phytoecia* Dejean, 1835.

Micromallosia Pic, 1900
Micromallosia Pic, 1900. Type species: *Micromallosia Theresae* Pic, 1900 (by monotypy).

Micromallosia theresae Pic, 1900
Micromallosia Theresae Pic, 1900. Type locality: Kurdistan, Mardin (Turkey).

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Mardin (Type locality).

Oxylia Mulsant, 1862
Oxylia Mulsant, 1862
Type species: *Phytoecia languida* Ménétries, 1838 (by monotypy).

Oxylia argentata languida (Ménetries, 1838)
Phytoecia longuida (sic!) Ménétriés, 1838. Type locality: ‘’entre Costantinople et le Balkan; Syrie’’.

RANGE. A: CY IN IQ IS JO LE SY TR (Danilevsky, 2019).

MARDIN. Ömerli, 3.VI.1976 (Tezcan et al., 2020b: 150); Hop Geçidi (Çinaralti vill.), 15 km NE Mardin, 3723N 4051E, 16.V.2001 (Coll. M. Rejzek, Norwich, UK); Yaylacık (Küferdel), Leylağ Çayırı, 1080 m., on *Echium italicum*, 15.V.2016, M. Geçit leg. (MGPA).

Phytoecia Dejean, 1835
Phytoecia Dejean, 1835
Type species: *Saperda cylindrica* Fabricius, 1775 (= *Cerambyx cylindricus* Linnaeus, 1758), designated by Breuning (1952).

Phytoecia* (*Phytoecia*) *aenigmatica Sama, Rapuzzi et Rejzek, 2007 (Fig. 6)
Phytoecia aenigmatica Sama, Rapuzzi & Rejzek, 2007. Type locality: 10 Km NE Nesapur, Khordestan (Iran).

RANGE. A: IN (Danilevsky, 2019); TR (new record).

MARDIN. Artuklu, Hamzabey Mahallesi (Vadi Birkitılcemel), 976 m., 06.IV.2017, on *Conium maculatum*, M. Geçit leg. (MGPA).

NOTE. Two more female specimens were collected in Iran after the description: SSE Yasuj (Buyer Ahmad-o-Kuhgiluye), NE of Malashoreh pass., 2390 m., 30°29’24’’N 51°39’29’’E, 10−13.V.2016, G. Magnani & D. Baiocchi leg. (PRCU).

***Phytoecia* (*Phytoecia*) *bangi* Pic, 1897**
Phytoecia bangi Pic, 1897. Type locality: Mardin (Turkey).

RANGE. A: AR GG IN TR (Danilevsky, 2019).

MARDIN. Mardin. Type locality (Pic, 1897: 189; Holzschuh, 1975: 103; Özdikmen, 2013a: 94; Özdikmen, 2017: 113).

Phytoecia* (*Phytoecia*) *caerulea caerulea (Scopoli, 1772)
Leptura caerulea Scopoli, 1772. Type locality: “Carniola” (Slovenia).

RANGE. E: AL AU BH BU BY CR ?CT CZ GR HU IT IT MC MD PT RO SK SL SP ST SZ TR UK YU A: AB AR GG IN KZ SY TD TM TR UZ WS (Danilevsky, 2019).

MARDIN. Artuklu, Nur Mahallesi (Darzerke), 920 m., on *Sisymbrium orientale* (Brassicaceae), 17.IV.2017, M. Geçit leg. (MGPA).

Phytoecia* (*Phytoecia*) *centaureae Sama et Rapuzzi, 2006

Phytoecia centaureae Sama & Rapuzzi, 2006. Type locality: Iran, Kordestan: 13 Km S Saqqez.

RANGE. A: IN (Danilevsky, 2019); TR (new record).

MARDIN. Çaglar vill., 37°22’59’’N 40°42’06’’, 997 m., 13.V.2018, on *Centaurea behen* (Asteraceae), P. Rapuzzi leg. (PRCU).

Phytoecia* (*Phytoecia*) *croceipes Reiche et Saulcy, 1858

Phytoecia croceipes Reiche & Saulcy, 1858. Nomen novum per *Phytoecia puncticollis* Mulsant et Wachanru, 1852, nec Faldermann, 1837. Type locality: Caramania (Turkey).

RANGE. A: AB AR CY GG IQ IN IS LE SY TR (Danilevsky, 2019).

MARDIN. MARDIN. Hop Geçidi, (Cinaralti vill.), 15 km NE Mardin, 3723N 4051E, 16.V.2001, leg. & coll. Kabatek; 6 km east of Arıçlı, 1000 m, 14.V.2011 (Sama et al., 2012: 41; Özdikmen, 2013a: 94); Mardin (Özdikmen, 2017: 113); Hop gecidi, Mardin env., 11−14.5.2005, Z. Malinka leg. (Coll. S. Kadlec NMPC); Hamzabey Mahallesi (Vadi Birkitılcemel), 976 m., on *Centaurea behen*, 30.III.2017, M. Geçit & S. Tusun leg. (MGPA).

Phytoecia* (*Phytoecia*) *geniculata geniculata Mulsant, 1862

Phytoecia geniculata Mulsant, 1862. Type locality: Turkey.

RANGE. A: CY IN IQ IS JO LE TR (Danilevsky, 2019).

MARDIN. Artuklu, Nur Mahallesi (Darzerke), 940 m., on *Centaurea behen*, 28.IV.2016, M. Geçit leg.; Hamzabey Mahallesi (Vadi Birkitılcemel), 976 m., on *Centaurea behen*, 30.III.2017, M. Geçit & S. Tusun leg. (MGPA).

Phytoecia* (*Phytoecia*) *manicata Reiche et Saulcy, 1858

Phytoecia manicata Reiche & Saulcy, 1858. Type locality: Siria (Syria).

RANGE. A: IS LE SY TR (Danilevsky, 2019).

MARDIN. Mazıdağı, 05.VI.1996 (Tezcan et al., 2020b: 152).

Phytoecia* (*Phytoecia*) *pubescens Pic, 1895

Phytoecia manicata v. *pubescens* Pic, 1895. Type locality: Syrie.

RANGE. E: BH BU CR GR MC ST TR A: AB AR GG IN IS JO LE SY TR (Danilevsky, 2019).

MARDIN. Hamzabey Mahallesi (Vadi Birkitılcemel), 976 m., 25.V.2017, on *Bunium paucifolium* (Apiaceae), M. Geçit leg. (MGPA).

Phytoecia* (*Phytoecia*) *virgula virgula (Charpentier, 1825)

Saperda virgula Charpentier, 1825. Type locality: Dalmatia (Croatia).

RANGE. E: AL AU BH BU BY CR CT CZ FR GE GR HU IT LA LT MC MD PL PT RO SK SL SP ST SZ TR UK YU A: AB AR CY ES GG IN IS JO KI KZ LE SY TD TM TR UZ WS XIN (Danilevsky, 2019).

MARDIN. Hamzabey Mahallesi (Vadi Birkitılcemel), 976 m., on *Lepidium draba* (Brassicaceae), 10.IV.2017, M. Geçit leg.; idem, 14.IV.2018., M. Geçit & S. Tusun leg. (MGPA); Çaglar vill., 37°22’59’’N 40°42’06’’, 997 m., 13.V.2018, P. Rapuzzi leg. (PRCU).

***Phytoecia* (*Helladia*)** Fairmaire, 1864

Helladia Fairmaire, 1864.
Type species: *Phytoecia flavescens* Brullé, 1832.

Phytoecia* (*Helladia*) *adelpha Ganglbauer, 1886

Phytoecia (*Helladia*) *adelpha* Ganglbauer, 1886. Type locality: Syrien.
Phytoecia (*Helladia*) *adelpha*: Özdikmen & Turgut, 2010: 323.
Phytoecia ferruggata var. *houskai* Heyrovsky, 1948. Type locality: Sultan, Nord Mardin (Turkey). Synonymy in Holzschuh, 1980: 574.
Phytoecia ferrugata var. *hous*kai: Fuchs & Breuning, 1971: 438.

RANGE. A: AR CY SY TR (Danilevsky, 2019).

MARDIN. Sultan meadow, Nordlich Mardin (type locality of *Phytoecia ferrugata* var. *houskai* Heyrovsky, 1948); Mardin (Fuchs & Breuning, 1971); MARDIN. Sultan (Özdikmen & Turgut, 2010); MARDIN. Sultan meadow. Mardin (Fuchs & Breuning, 1971); Sultan (Özdikmen, 2013a: 91); SE.

Turkey, Hop Geçidi (Çinaralti vill.), 15 km NE. Mardin, 37°23'N 40°51'E, 16.V.2001, M. Rejzek leg. (PRCU, GSCC).

Phytoecia* (*Helladia*) *armeniaca Frivaldszky 1878
Phytoecia armeniaca Frivaldszky, 1878. Type locality: Diarbekir, leg. Kindermann (Turkey).

Range. A: AB AR GG IS JO LE SY TR (Danilevsky, 2019).

Mardin. Mardin, 1300 m., 10/15.V.69, Schubert (GSCC).

Phytoecia* (*Helladia*) *ferrugata Ganglbauer, 1884
Phytoecia ferrugata Ganglbauer, 1884. Type locality: Haifa (Israel).
Phytoecia (*Helladia*) *dilaticollis* T. Pic, 1900. Type locality: Mardin (Turkey).

Range. A: IS JO LE SY TR (Danilevsky, 2019).

Mardin. Mardin (type locality of *dilaticollis* T. Pic, 1900); Mardin, Sultan (Fuchs & Breuning, 1971: 438 as *Phytoecia ferrugata houskai* Heyrovsky, 1948; Özdikmen, 2013a: 92).

Phytoecia* (*Helladia*) *imperialis (Sama et Rejzek, 2001)
Helladia imperialis Sama & Rejzek, 2001. Type locality: NW Iran, Azarbaygan-e-Garbi, Serou.

Range. A: IN (Danilevsky, 2019) TR (Rejzek et al., 2003).

Mardin. Hop Geçidi (Çinaralti vill.) 15 km NE Mardin, 37°23'N 40°51'E, 16.V.2001, S. Kadlec leg. (Rejzek et al., 2003: 175; NMPC).

Phytoecia* (*Helladia*) *humeralis humeralis (Waltl, 1838)
Saperda humeralis Waltl. Type locality: "Turken" (Turkey).

Range. E: GR (Rodos) TR A: AB CY GG IN IQ IS LE SY TR (Danilevsky, 2019).

Mardin. Hop Geç (Çinaralti vill.) (Rejzek et al., 2003: 174); Hop Pass (Özdikmen, 2013a: 331); Hop Geçidi (Çinaralti vill.) 15 km NE Mardin, 37°23'N 40°51'E, 16.V.2001; Hop Geç. 1100 m, 15 km NE Mardin, 37°22'N 40°53'E, 9.5.2007, leg. E. Hajdaj (Coll. S. Kadlec NMPC); Şatih Mahallesi, 13.V.2018, M. Geçit leg. (MGPA); Cevizpinari vill., 37, 423058N 40 7750896E, 13.V.2018, P. Rapuzzi leg. (PRCU).

Phytoecia* (*Helladia*) *pretiosa fatima Ganglbauer, 1884
Phytoecia fatima Ganglbauer, 1884. Type locality: Persien (Iran).

Range. A: AB IN SY TR (Danilevsky, 2019).

Mardin. Mardin, Hop pass, Çinaralti vill., 16.V.2001 (Rejzek et al., 2003: 176); Mardin. Hop pass (Özdimen & Turgut, 2010: 327 sub *Phytoecia* (*Helladia*) *fatima*); Mardin. Hop Gecidi, 1115 m., Pinardere, 3.V.2000 (coll. Mauro Malmusi, Modena, Italy); SE. Turkey: Hop Geçidi (Çinaralti vill.), 15 km NE. Mardin, 3723N 4051E, 16.V.2001, *Onopordum carduchorum* (Asteraceae) (GSCC); Hop Geçidi (Çinaralti vill.) 15 km NE Mardin, 3723N 4051E, 16.V.2001 (GSCC); Hop Gec. 1100 m, 15 km NE Mardin, 37°22'N 40°53'E, 9.5.2007, leg. E. Hajdaj (NMPC); Artuklu, Nur Mahallesi (Darzerke), 940 m., 18.IV.2016, on *Onopordum carduchorum*, M. Geçit leg.; idem, 19.IV.2017, M. Geçit leg. (MGPA).

[***Phytoecia* (*Helladia*) *pretiosa pretiosa*** Faldermann, 1837]
Phytoecia pretiosa Faldermann, 1837. Type locality: Transcaucasia.

Range. E: ST A: AB AR GG IN ?LE TR (Danilevsky, 2019).

Mardin. Alannyurt E of Gercüs, 18.V.2001, M. Rejzek leg.; Çinaralti vill., Hop pass, 1115 m., towards Pinardere, 3.V.2000, M. Malmusi & L. Saltini leg. (Sama et. al., 2007: 167); 6 km east of Arıcļı, 1000 m, 14.V.2011, two specimens sitting on *Onopordum* sp. (Asteraceae) (Sama et al., 2012: 40).

Note. Identification wrong. All the records must be refered to *Phytoecia* (*Helladia*) *fatima* Ganglbauer, 1884.

***Phytoecia* (*Musaria*)** Thomson, 1864
Musaria Thomson, 1864.
Type species: *Leptura affinis* Harrer, 1784 (original designation).

Phytoecia* (*Musaria*) *affinis tuerki Ganglbauer, 1884

Phytoecia türki Ganglbauer, 1884. Type locality: Brussa in Kleinasien (Turkey).

RANGE. E: BU TR A: SY TR (Danilevsky, 2019).

MARDIN. 10 km E Mydiat, 800 m, 37°22'N 42°09'E, 10.5.2007, leg. °17'N 41°35'E, 17−19.V.2001; Hop Geçidi (Çinaralti vill.) 15 km NE Mardin, 37°23'N 40°51'E, 16.V.2001 (GSCC); Artuklu, Hamzabey Mahallesi (Vadi Birkitılcemel), 970 m., on *Salvia bracteata* (Lamiaceae), 16.V.2017, M. Geçit leg. (MGPA).

Phytoecia* (*Musaria*) *puncticollis puncticollis Faldermann, 1837

Phytoecia puncticollis Faldermann, 1837. Type locality: Transcaucasia.

Phytoecia mardiniensis Heyden, 1894. Type locality: Mardin (Turkey).

RANGE. E: ST A: AB AR GG IN IQ TR (Danilevsky, 2019).

MARDIN. Mardin (Heyden, 1894, type locality of *Phytoecia mardinensis*); Mardin (Pic, 1952); Hop Gec. 1100 m, 15 km NE Mardin, 37°22'N 40°53'E, 9.5.2007, leg. E. Hajdaj (Coll. S. Kadlec NMPC); Artuklu, Nur Mahallesi (Darzerke), 940 m., 27.IV.2016, on *Eryngium* sp. (Apiaceae), M. Geçit leg.; Yayla Mahallesi, Sultan meadow, 1080 m., 16.IV.2017, M. Geçit leg. (MGPA).

Phytoecia* (*Musaria*) *wachanrui Mulsant, 1851

Phytoecia wachanrui Mulsant, 1851. Type locality: "Turquie" (Turkey).

Phytoecia (Musaria) wachanrui v. *obscuricornis* Pic, 1897. Type locality: Asie Mineure: Mardin (Turkey).

Phytoecia mardinensis Aurivillius, 1923. Type locality: Kleinasien, Mardin (Turkey).

RANGE. E: GR (Rodos) ST A: IN IS JO LE SY TR (Danilevsky, 2019).

MARDIN. Mardin (Type locality of *Phytoecia wachanrui* v. *obscuricornis* Pic, 1897 and *Phytoecia mardinensis* Aurivillius, 1923); Mardin (Özdikmen, 2013a: 93).

Phyyoecia (Neomusaria) Plavilstshikov, 1928

Phytoecia (Neomusaria) Plavilstshikov, 1928. Type species: *Saperda balcanica* Frivaldsky, 1835 (designed by Breuning, 1951).

Phytoecia* (*Neomusaria*) *balcanica (Frivaldsky 1835)

Saperda balcanica Frivaldszky, 1835. Type locality: Szlivnó (= Slivno, Bulgaria).

RANGE. E: BU GR TR A: IN IQ TR (Danilevsky, 2019).

MARDIN. Mardin (Özdikmen, 2013a: 93; Özdikmen, 2016b: 495); Haberli (1020 m) 33 km SE Midyat, 37°17'N 41°35'E, 17−19.V.2001; Hop Geçidi (Çinaralti vill.) 15 km NE Mardin, 37°23'N 40°51'E, 16.V.2001 (GSCC); Artuklu, Hamzabey Mahallesi (Vadi Birkitılcemel), 970 m., on *Salvia bracteata* (Lamiaceae),16.V.2017, M. Geçit lgt. (MGPA).

Phytoecia* (*Neomusaria*) *mesopotamica barbarae Rapuzzi n. ssp. (Fig. 9)

https://zoobank.org:act:9C98D6F4-1A75-4AC7-961D-BC2BB9BFDC51

TYPE SERIES. Holotype ♂: Turkey, Mardin, Artuklu, Hamzabey Mahallesi (Vadi Birkitılcemel), 976 m., 06.IV.2017, on *Conium maculatum* (Apiaceae), M. Geçit & S. Tusun leg. (PRCU). Paratypes: 1♂ and 1♀ with same data of the holotype (PRCU).

DESCRIPTION OF THE HOLOTYPE MALE. Length 11.5 mm., humeral width 2,0 mm. Body black except for the legs which are partially yellowish. Body covered by light pubescence, greenish-grey on the elytra and orange on head, pronotum and scutellum. Area around the eyes glabrous, black. Head and the pronotum showing several thin, very long, erect black setae, denser on the frons than on the rest of the head. Antennae black, nearly glabrous, with only very few, erect and thin black setae on the inner side.

Pronotum slightly longer than wide, with two distinct glabrous black spots anteriorly on the disk. Elytra long, narrowed towards the apex, with apex truncate. Surface with light pubescence that hides the elytral sculpture. Few very long and erect, silver setae near the base, denser on lateral margins. Front legs yellowish except base of femora black. Middle legs bicolored, femora black, orange centrally, tibiae black, orangish basally. Hind femora narrowly

marked with orange centrally, tibiae with a very small spot of orange on the outer side apically. Tarsi black. Ventral surface black, covered by orange pubescence, denser on the ventral side of the abdomen and metaventrite. Prosternum and ventral side of the head more densely covered by homogenous orange pubescence.

VARIABILITY. Females are stouter, with more parallel elytra. Antennae and legs are slightly shorter than in males. The size ranges between 11.5 mm and 12.5 mm for the males, while the female is 11.5 mm long.

BIOLOGY. All type specimens of this new subspecies were collected together with *Phytoecia aenigmatica* on leaves of *Conium maculatum* (Apiceae), which very likely represents its host plant.

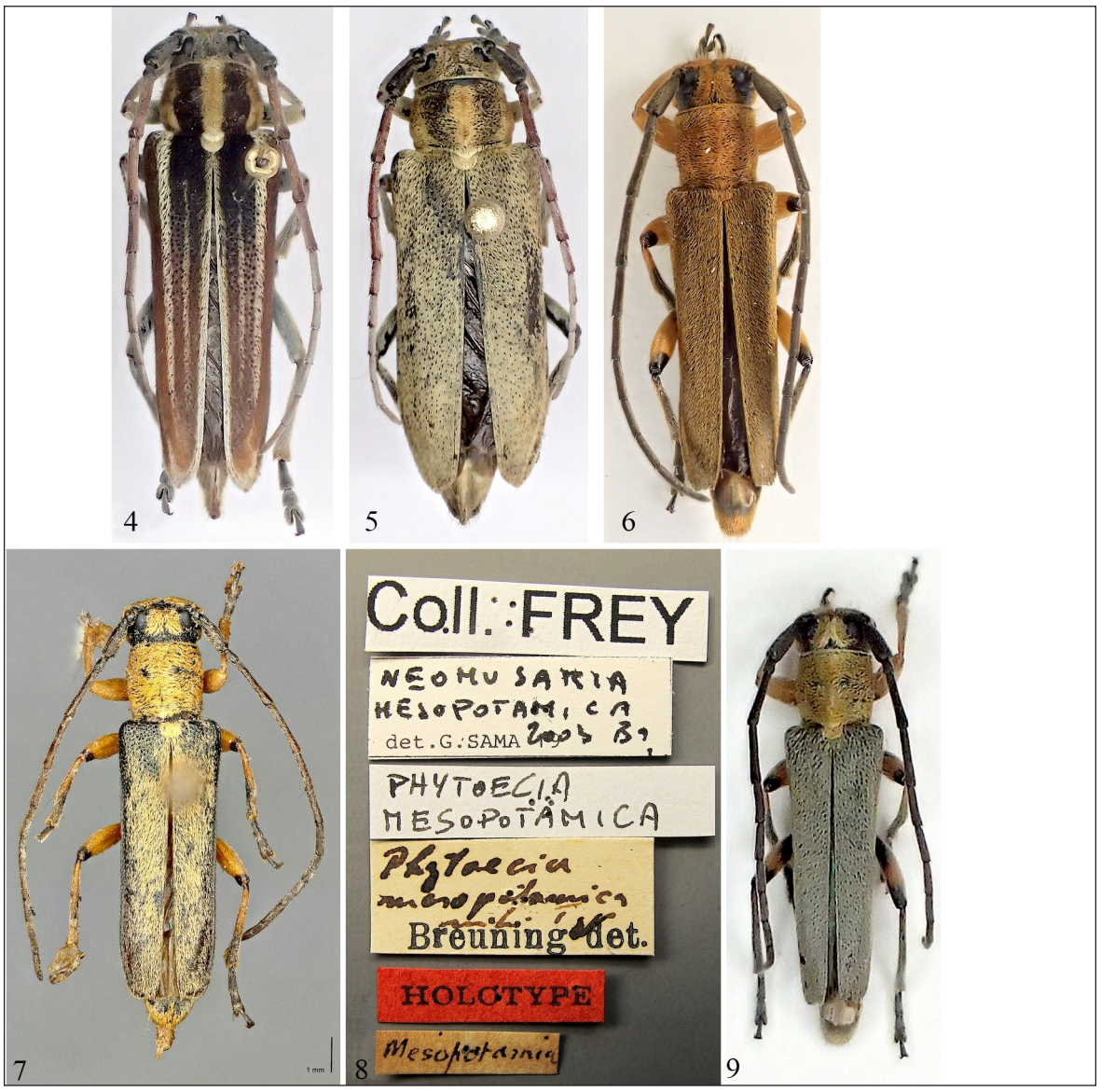

Figure 4. *Pygoptosia darzerkensis* Rapuzzi n. sp. Holotype male. Figure 5. *Pygoptosia darzerkensis* Rapuzzi n. sp. Paratype female, Mardin, Nur Mahallesi (Darzerke). Figure 6. *Phytoecia (s. str.) aenigmatica* Sama, Rapuzzi et Rejzek, 2007, male, Artuklu, Mardin, Hamzabey Mahallesi (Vadi Birkitılcemel). Figure 7. *Phytoecia (Neomusaria) mesopotamica* Breuning, 1948. Holotype male, Coll. Frey, National Museum Basel, Switzerland. Figure 8. *Phytoecia (Neomusaria) mesopotamica* Breuning, 1948. Labels, Holotype male, Coll. Frey, National Museum Basel, Switzerland. Figure 9. *Phytoecia (Neomusaria) mesopotamica* ssp. *barbarae* Rapuzzi n. ssp. Holotype male.

REMARKS. This new subspecies is easy to distinguish from the nominal one by the darker color of the legs; the middle tibiae orange only on the basal third (completely orange in the nominotypical subspecies); the hind tibiae spotted with orange only near the apex (orange on more than the first half in the nominotypical subspecies). The shape of the pronotum is different, as in *P.* (*N.*) *mesopotamica barbarae* n. ssp. it is shorter and wider than in the nominal form. The elytral apex is more evidently truncate in the new subspecies.

Phytoecia (Neomusaria) mesopotamica Breuning, 1948 was described from Ras Elain (NE Syria) (type specimen Figs. 7, 8) and recently discovered also in Iran (Kamyaran area, Khordestan) (Sama et al., 2006). It is interesting to note how many species from Iran (mainly from Zagros mountains and Khordestan) were recently discovered in Mardin area, showing a similarity between these two regions of the Middle East.

***Phytoecia* (*Opsilia*)** Mulsant, 1862
Opsilia Mulsant, 1862. Type species: *Leptura coerulescens* Scopoli, 1763 = *Saperda virescens* Fabricius, 1781 (designed by Villiers, 1978).

Phytoecia* (*Opsilia*) *coerulescens (Scopoli, 1763)
Leptura coerulescens Scopoli, 1763.Type locality: "Carniola" (Slovenia).

RANGE. E: AL AU BE BH BU ?BY CH CR CT CZ FR GE GR HU IT LA LS LT LU MC MD NL PL PT RO SK SL SP ST SZ TR UK YU N: AG MO TU A: AB AR GG IN IQ IS JO KI KZ LE NE TD TR SY UZ WS (Danilevsky, 2019).

MARDIN. Mardin (Tezcan et al., 2020b: 167); Hop Geçidi (Çinaralti vill.) 15 km NE Mardin, 3723N 4051E, 16.V.2001 (Coll. Martin REJZEK); Artuklu, Nur Mahallesi (Darzerke), 900 m., 30.V.2017, on *Echium italicum* (Boraginaceae), M. Geçit leg. (MGPA).

***Phytoecia* (*Paracoptosia*)** Danilevsky, 2017
Phytoecia subg. Paracoptosia Danilevsky, 2017. Type species: *Saperda compacta* Ménétries, 1832.

Phytoecia* (*Paracoptosia*) *bithynensis Ganglbauer, 1883
Phytoecia bithynensis Ganglbauer, 1884. Type locality: Kleinasien, Brussa (Turkey).

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Hop Geçidi (Çinaralti vill.) 15 km NE Mardin, 3723N 4051E, 16.V.2001 S. Kadlec leg. (NMPC).

Phytoecia* (*Paracoptosia*) *compacta Ménétriés, 1832
Phytoecia compacta Ménétriés, 1832. Type locality: Baku (Azerbaijan).

RANGE. A: AB AR GG IN TR (Danilevsky, 2019).

MARDIN. Ömerli, 12.VI.1972 (Tezcan et al., 2020b: 151).

Phytoecia* (*Paracoptosia*) *minuta Pic, 1891
Phytoecia (*Coptosia*) *minuta* Pic, 1891. Type locality: Mount Amanus (Turkey).
Coptosia mardinensis Pic, 1901: 13.

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Mardin (typ.locality *C. mardinensis* Pic, 1901); Mardin (Özdikmen, 2013a: 90).

Pilemia Fairmaire, 1868
Pilemia Fairmaire, 1868.
Type species: *Phytoecia tigrina* Mulsant, 1851 (designed by Breuning, 1951).

Pilemia* (*Pilemia*) *breverufonotata (Pic, 1952)
Phytoecia (Pilemia) tigrina v. *breverufonotata* Pic, 1952. Type locality: Brousse, Asie Minor (Turkey).

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Hop Geçidi (Çinaralti vill.) 15 km NE Mardin, 3723N 4051E, 16.V.2001 (GSCC).

Pilemia* (*Pilemia*) *griseomaculata Pic, 1891
Pilemia tigrina v. *griseomaculata* Pic, 1891. Type locality: Akbes (Turkey).

RANGE. A: SY TR (Danilevsky, 2019).

MARDIN. 10 km E Miadat, 800 m., 37°22'N 42°09'E, 10.V.2007, leg. Hajdaj (NMPC).

***Pilemia* (*Pseudopilemia*)** Kasatkin, 2018
Phytoecia subgen. *Pseudopilemia* Kasatkin, 2018.

Type species: *Saperda hirsutula* Frölich, 1793 (Original designation).

Pilemia* (*Pseudopilemia*) *hirsutula hirsutula (Frölich, 1793)

Saperda hirsutula Frölich, 1793. Type locality: Austria.

Range. E: AL BH BU CR GR HU KZ MC MD ME RO SK SL ST UK YU A: AB AR GG IN IS JO LE KZ SY TR WS (Danilevsky, 2019).

Mardin. Sultan meadow, Mardin centre, 1080 m., 16.V.2017, on *Eremostachys lacinata*, M. Geçit leg. (MGPA).

Pygoptosia Reitter, 1895

Pygoptosia Reitter, 1895. Type species: *Phytoecia speciosa* Frivaldsky, 1884 (by monotypy).

Pygoptosia darzerkensis Rapuzzi n. sp. (Figs. 4, 5)
https://zoobank.org:act:0241AEE1-4547-4707-93C0-D4D1DEE731AD

Type series. Holotype ♂: Turkey, Mardin, Nur Mahallesi (Darzerke), 940 m., on *Centaurea behen*, 28.IV.2016, M. Geçit leg. (PRCU). Paratypes: 1♀ with same data as the holotype (PRCU); 2♂♂ and 2♀♀, same data as the holotype, 08.V.2017, on *Centaurea behen*, M. Geçit & S. Tusun leg. M. Geçit leg. (MGPA).

Description of the holotype male. Length 20.5 mm., humeral width 5.5 mm. Body mostly reddish, covered by white and yellow pubescence. Head pitchy-brown, completely covered by dense yellowish pubescence. Lateral margins of the mandibles covered by the same pubescence. Frons, labium and genae with several very long, erect, yellowish setae. Frons square, with a small furrow in the middle of the apex. Antennal tubercles prominent, surrounded by several large and deep punctures; which are visible over the apex of the head. Antennae long, exceeding the elytral apex by the last segment, reddish-brown except for the scape and pedicellum which are black. Pubescence of antennae silvery, denser toward the apical segments. Pronotum slightly wider than long, with rounded sides, pitchy-brown colored, with three longitudinal bands of yellowish pubescence, one on each side and one in the middle. Between these stripes, the surface is covered by a rather sparse, dark-brown pubescence. Pronotal surface covered with many long, erect, golden setae. Pronotal surface rather shiny, with a few bigger punctures mixed with several smaller ones. Frontal margin of the pronotum straight, basal margin strongly sinuate. The discal area of pronotum with a long medial carina, covered by dense and semi-erect yellowish pubescence, and two prominent shining callosities. The basal end of the yellowish stripe on the middle of the pronotum is projected towards the scutellum with a lighter yellowish spot that also covers part of the scutellum. Scutellum elongate, completely covered by strong dense, recumbent yellowish pubescence.

Elytra long, regularly narrowed towards the apex, with apex obtusely acuminate. Elytral punctation with sparse, regular, large punctures, sparser and smaller toward the apex. The basal microsculpture is comprised of small dense punctures which give the elytra a matte aspect. Basal third of the elytral surface black, except lateral portions which are pitchy-brown as the rest of the elytra. The elytral pattern consists of three main longitudinal white stripes, the lateral ones running straight from the humeri, progressively narrowing until ending before the elytral apex; the central white band runs along the elytral suture starting from the scutellum, and continues along the elytral apex; two additional shorter stripes are present between the central and the two lateral bands. Elytral pubescence recumbent, without any erect bristles. Legs rather long, strong, entirely covered by mixed whitish and yellowish pubescence. Tarsi black with silver-white pubescence.

Variability. The female differs from the male by its stouter body shape. The elytral color is homogeneous, made by yellowish pubescence. The pronotum has three longitudinal yellowish stripes, mixed with yellowish, less dense pubescence.

Biology. All the known specimens, including mating pairs, were collected on leaves of *Centaurea behen* (Asteraceae), that is very likely the host-plant, and the same host-plant of the closely related species *Pygoptosia eugeniae*.

Remarks. This new species is similar to *Pygoptosia eugeniae* (Ganglbauer, 1884), based on the structure and the general shape of the body. It is easily distinguished by the two shining callosities on the pronotum in the male which are missing in *P.*

eugeniae. The erect pubescence on the pronotum is longer and denser in the new species. The pronotum is wider and distinctly rounded laterally in both sexes, longer and more straight in *P. eugeniae*. The shape of the last abdominal segment is completly different in both sexes. In the male it is evidently straighter, with the carina very prominent, much more than in *P. eugeniae* males, the pubescence on the last abdominal segment is sparser and golden, mixed with black setae, instead of completely golden. In the female the last segment is stouter, with the apex acuminate instead of being rounded. The middle carina is very prominent as well, much more than in *P. eugeniae* females. In both sexes the base of the pronotum is covered by dense and strong golden pubescence, in the basal mid part of the pronotum this pubescence is denser and partially covers the base of the scutellum; in *P. eugeniae* this pubescence is sparser, not covering the base of the scutellum.

Pygoptosia eugeniae (Ganglbauer, 1884) was recentely recorded for the Turkish fauna (Tezcan et al., 2020b: 150) on the base of two specimens preserved in Lodos collection (housed in Lodos Entomological Museum, Ege University, Izmir, Turkey): Siirt: 11.V.1972, det. Holzschuh, as *Phytoecia eugeniae*; Şırnak: Beytüşşebap, 15.VI.1976, *Fraxinus* sp., det. Holzschuh, as *Phytoecia eugeniae*. It will be necessary to study these speciemns to state the correct identification. In fact it is very likely due to the very close localities that these records must be refered to the new species.

Pygoptosia speciosa (Frivaldszky, 1884)
Phytoecia speciosa Frivaldszky, 1884. Type locality: Diarbekir (Turkey).

RANGE. A: IN LE SY TR (Danilevsky, 2019).

MARDIN. Hop Geçidi, Çinaralti vill., 16.V.2001 (Rejzek et al., 2003: 179; Özdikmen, 2013a: 90); Hop Geçidi (Çinaralti vill.), 15 km NE. Mardin, 37°23'N 40°51'E, 16.V.2001, M. Rejzek leg. (GSCC); Artuklu, Hamzabey Mahallesi (Vadi Birkitılcemel), on *Serratula cerinthifolia*, 970 m., 16.V.2017, M. Geçit leg. (MGPA).

Semiangusta Pic, 1892
Phytoecia (*Semiangusta*) Pic, 1892. Type species: *Conizonia Delagrangei* Pic, 1891 (designed by Pic, 1952).

Semiangusta delagrangei Pic, 1891
Conizonia delagrangei Pic, 1891. Type locality: Akbes (Turkey).

RANGE. A: TR (Danilevsky, 2019).

MARDIN. Dereyani env., 27.V.2011, D. Sanč leg. (PRCU); Hamzabey Mahallesi (Vadi Birkitılcemel), 976 m., on *Cenaturea behen*, 21.V.2016; M. Geçit leg.; idem, 26.V.2017; idem 13.V.2018 (MGPA); Çaglar vill., 37°22'59''N 40°42'06'', 997 m., 13.V.2018, on *Centaurea behen*, P. Rapuzzi leg. (PRCU).

SAPERDINI Mulsant, 1839
Saperdaires Mulsant, 1839.
Type genus: *Saperda* Fabricius, 1775.

Saperda Fabricius, 1775
Saperda Fabricius, 1775. Type species: *Cerambyx scalaris* Linnaeus, 1758.

Saperda (Compsidia) Mulsant, 1839
Compsidia Mulsant, 1839. Type species: *Cerambyx populneus* Linnaeus, 1758.

Saperda* (*Compsidia*) *quercus ocellata Abeille, 1895
Saperda (*Compsidia*) *ocellata* Abeille de Perrin, 1895. Type locality: Akbes (Turkey).

RANGE. A: IS JO SY TR (Danilevsky, 2019).

MARDIN. Hop Gec., 2300 m., N40°00' E40°32', 8.VI.2001; Akgevit, 11.V.1984, leg. Wellschmied (GSCC).

ACKNOWLEDGEMENTS

We are thankful to the General Directorate of Nature Conservation and National Parks (DKMP) for research permissions issued with nr. 72784983-488.04-58779 (March 10, 2017), namely for "Determination of Coleoptera (Cerambycidae) fauna of Mardin province, and analysis of species in terms of vector". We are thankful to the World Biodiversity Association (WBA) for the small grant provided in support to our expeditions. We are also grateful to Max Barclay (National Museum, London, Great Britain), Cristoph Germann (Conserva-

tor entomology of the Naturhistorisches Museum Basel, Switzerland), Eva Sprecher (Naturhistorisches Museum Basel, Switzerland), Jiri Hajek (National Museum, Prague, Czech Republic) and to Mauro Malmusi (Modena, Italy).

REFERENCES

Adlbauer K., 1992. Zur Faunistik und Taxonomie der Bockkäferfauna der Türkei II. Entomofauna, Zeitschrift für Entomologie, 13 (30): 485−512.

Avgın S.S., Dertli İ. & Barševskis A., 2014. A review of Turkish saproxylic beetles from the European Red List. Annales de la Société entomologique de France (N.S.). International Journal of Entomology; 50: 501−538. https://doi.org/10.1080/00379271.2014.896099

Braun W., 1978. Die Dorcadienausbeute der Forschungreisen von W. Heinz 1963−1977. Nachrichtenblatt der Bayerischen Entomologen, 27: 101−116.

Breuning S., 1962. Revision der Dorcadionini (Col. Ceramb.). Abhandlungen und Berichte aus dem staatlichen Museum für Tierkunde in Dresden 27: 1−666

Danilevsky M.L., 2011. New subspecies of *Stenurella bifasciata* (Müller, 1776) (Coleoptera, Cerambycidae from South West Turkey. Munis Entomology & Zoology, 6: 1−5.

Danilevsky M.L., 2012. Additions and corrections to the new Catalogue of palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. III. Munis Entomology & Zoology, 7: 109−173.

Danilevsky M.L., 2019. http://www.cerambycidae.net

Fuchs E. & Breuning S., 1971. Die Cerambycidae Ausbeute der Anatolien Expeditionen 1966−67 des Naturhistorischen Museums, Wien. Annalen des Naturhistorischen Museums in Wien, 75: 435–439.

Heyden L., 1894. Ueber *Meloe Olivieri* Chevrolat und sechs neue Longicornen aus Klein-Asien. Deutche Entomologische Zeitschrift, 1894: 85–90.

Holzschuh C., 1975. Zur Synonymie palaearktischer Cerambycidae I. (Col.). Koleopterologische Rundschau, 52: 101–104.

Holzschuh C., 1980. Revision einer Cerambyciden Ausbeute des Naturhistorischen Museums Wien (Coleoptera). Annalen des Naturhistorischen Museums in Wien, 83: 573−574.

Löbl I. & Smetana A. (Eds.), 2010. Catalogue of Paleartic Coleoptera. Volume 6. Chrysomeloidea. Apollo Books, Stenstrup, 924 pp.

Lodos N., 1998. Entomology of Turkey VI (General, Aplied and Faunistic). Ege Ü. Ziraat Fak. Yayınları No: 529, E. Ü. Faculty of Agriculture Press, İzmir, 300 pp.

Kaplan C., 2013. Güneydoğu Anadolu Bölgesi meyve ağaçlarında zararlı *Osphranteria coerulescens* Redtenbacher, 1850 (Coleoptera: Cerambycidae)'in yayılışı, konukçuları, zarar Şekli ve bazı biyolojik özellikleri [Determination of distribution, hosts, damage and some biologic properties of *Osphranteria coerulescens* Redtenbacher, 1850 (Coleoptera: Cerambycidae) harmful on fruit trees in South East Anatolian Region]. Bitki koruma bülteni (Plant protection bulletin), 53: 1−6.

Önalp B., 1988. Taxonomic researches on *Agapanthia* Serville, 1835 species (Coleoptera, Cerambycidae: Lamiinae). Eğitim Fakültesi Dergisi, 3: 257−295.

Önalp B., 1989. Taxonomic researches on *Agapanthia* Serville, 1835 species (Coleoptera, Cerambycidae: Lamiinae) I.H.Ü. Eğitim Fakültesi Dergisi, 4: 197−234.

Önalp B., 1990. Systematic researches on Dorcadion Dalman, 1817 species in Turkey (Coleoptera, Cerambycidae: Lamiinae). Eğitim Fakültesi Dergisi, 5: 57−102.

Önalp B., 1991. Türkiye'de Dorcadion Dalman, 1817 (Cerambycidae: Lamiinae) sistematik araştirmalar. Eğitim Fakültesi Dergisi, 6: 191−227.

Özdikmen H., 2008. The Longicorn Beetles of Turkey (Coleoptera, Cerambycidae). Part III - Aegean Region. Munis Entomology & Zoology, 3: 355−436.

Özdikmen H., 2010. The Turkish Dorcadiini with zoogeographical remarks (Coleoptera: Cerambycidae: Lamiinae). Munis Entomology & Zoology, 5: 380−498.

Özdikmen H., 2013a. Turkish Agapanthiini Mulsant, 1839 with identification keys (Coleoptera: Lamiinae). Munis Entomology & Zoology, 8: 9−40.

Özdikmen H., 2013a. The Longicorn Beetles of Turkey (Coleoptera: Cerambycidae) Part V - South-Eastern Anatolian Region. Munis Entomology & Zoology, 8: 67−123.

Özdikmen H., 2013b. Turkish Agapanthiini Mulsant, 1839 with identification keys (Coleoptera: Lamiinae). Munis Entomology & Zoology, 8: 9−40.

Özdikmen H., 2016a. Two new species group taxa of *Cortodera* (Coleoptera: Cerambycidae: Lepturinae) from Turkey with updated species group list. Munis Entomology & Zoology, 11: 4−17.

Özdikmen H., 2016b. Dorcadionini of Turkey (Coleoptera: Cerambycidae), Journal of Natural History, 50 (37−38): 2399−2475.

Özdikmen H., 2017. Updated species group taxa of *Phytoecia* (*Phytoecia*) Dejean in Turkey with a new status (Coleoptera: Cerambycidae: Lamiinae). Munis Entomology & Zoology, 12: 110−119.

Özdikmen H. & Cihan N., 2016. Updated List of *Chlorophorus* Chevrolat, 1863 (Coleoptera: Cerambycidae: Cerambycinae) Species from Turkey, with

two new restorations. Pakistan Journal Zoology, 48: 356−376.

Özdikmen H. & Cihan Tüzün N., 2018. Distribution of *Calchaenesthes* species in Mediterranean Region. Munis Entomology & Zoology, 13: 106−116.

Özdikmen H. & Özdikmen G., 2016. Updated world species list of the subgenus *Phytoecia* (*Neomusaria*) Plavilstshikov, 1928 with two new species from Turkey (Cerambycidae: Lamiinae). Munis Entomology & Zoology, 11: 492−500.

Özdikmen H. & Turgut S., 2010. An overview on the W-Paleartic subgenus *Phytoecia* (*Helladia*) Fairmaire, 1864 with a new subspecies *Phytoecia* (*Helladia*) *humeralis caneri* ssp. n. from Turkey (Coleoptera: Cerambycidae: Lamiinae). Munis Entomology & Zoology, 5: 317−343.

Plavilstshikov N.N., 1931. Bestimmungs-Tabellen der europäischen Coleopteren, Troppau, BTEC: 1−102 pp. Cerambycidae I. Teil Cerambycinae: Disteniini, Cerambycini 1 (Prothaxina, Spondylina, Asemina, Saphanina, Achrysoina, Oemina, Cerambycina).

Rapuzzi P. & Sama G., 2013. Revision of the *Purpuricenus interscapillatus* species - group and allied taxa (Coleoptera, Cerambycidae). Fragmenta entomologica, 45: 143−171. https://doi.org/10.4081/fe.2013.22

Rejzek M., Sama G., Alziar G. & Sadlo J., 2003. Host plants of longhorn beetles (Coleoptera: Cerambycidae) from the Balkan Peninsula, Asia Minor, and Iran (Part II). Biocosme Mésogéen, 19: 161−189.

Sama G., Rapuzzi P. & Özdikmen H., 2012. Preliminary report of the entomological surveys (2010, 2011) of G. Sama and P. Rapuzzi to Turkey (Coleoptera: Cerambycidae). Munis Entomology & Zoology, 7: 22−45.

Sama G., Rapuzzi P. & Rejzek M., 2007. New or interesting Phytoeciini from the Middle East, especially from Iran (Coleoptera: Cerambycidae). Folia Heyrovskyana, 14: 163−179.

Tezcan S., Karsavuran Y., Pehlivan E. & Özdikmen H., 2020a. Catalogue of Longhorned Beetles of LEMT (Coleoptera: Cerambycidae) Part I: Prioninae, Lepturinae, Aseminae, Saphaninae, Spondylidinae, Cerambycinae and Stenopterinae. Munis Entomology & Zoology, 15: 39−65.

Tezcan S., Karsavuran Y., Pehlivan E. & Özdikmen H., 2020b. Catalogue of Longhorned Beetles of LEMT (Lodos Entomological Museum, Turkey) (Coleoptera: Cerambycidae) Part II: Lamiinae and Dorcadioninae. Munis Entomology & Zoology, 15: 145−170.

Tezcan S. & Rejzek M., 2002. Longhorn beetles (Coleoptera: Cerambycidae) recorded in cherry orchards in western Turkey. Zoology in Middle East, 27: 91−100.