

**TURKISH RED LIST CATEGORIES OF  
LONGICORN BEETLES (COLEOPTERA: CERAMBYCIDAE)  
PART V – SUBFAMILY STENOPTERINAE**

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[**Özdikmen, H.** 2014. Turkish Red List Categories of Longicorn Beetles (Coleoptera: Cerambycidae) Part V – Subfamily Stenopterinae. *Munis Entomology & Zoology*, 9 (1): 483-493]

**ABSTRACT:** The aim of this study is to create a Turkish Red List of the longicorn beetles. Moreover, presence such a Red List is necessary for Turkey. Even governmental evaluations could cause some erroneous decisions due to absence such a Red List. Since, governmental evaluations at the present time are based on the works that are realized with respect to the European Red List. Furthermore, Turkey appears a continental property changeable in very short distances in terms of climatical features and field structures. So, the status of European fauna and the status of Turkish fauna are not the same. Clearly, there is no any work that subjected to create a Turkish Red List except Parts I-IV. Hence, a series work is planned with this purpose. This type of study is the fifth attempt for Turkey.

**KEY WORDS:** Red List, Conservation, Cerambycidae, Turkey

The purpose of the current study was to create a Turkish Red List of longicorn beetles similarly to “European Red List of Saproxyllic Beetles” that was compiled by Ana Nieto & Keith N. A. Alexander and published by IUCN (International Union for Conservation of Nature) in collaboration with the European Union in 2010. “European Red List of Saproxyllic Beetles” includes 153 species within the subfamilies Prioninae, Cerambycinae (including Stenopterinae) and Lamiinae of the European Cerambycidae. In the future, I hope that the present work will be lead to preparation a more comprehensive “Turkish Red List”.

Hence, a series work is planned with this purpose. The present study is attempted as the fourth step of this aim. The previous works are Özdikmen (2014a,b,c,d). It should be noted that the using information at the present work on Turkish longicorn beetles are on the base of my personal database. The data of distribution are given on base of Löbl & Smetana (2010, 2011), Danilevsky (2010a,b, 2012a,b,c,d, 2013), Özdikmen (2011) and Miroshnikov (2011). Identification of chorotypes is based on the chorotype classification of the Anatolian fauna, proposed by Vigna Taglianti et al. (1999).

The evaluations of Turkish longicorn beetles at the present work based on “The IUCN Red List Categories” that was presented in Part I (Özdikmen, 2014a).

**TURKISH RED LIST FOR STENOPTERINAE**

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

**TRIBE STENOPTERINI Gistel, 1848: [9]**

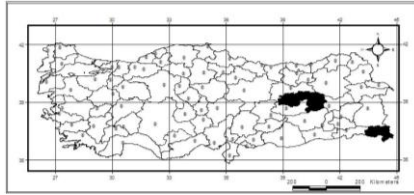
**GENUS *STENOPTERUS* Illiger, 1804: 120**

**SPECIES *S. adlbaueri* Sama, 1995: 408**

European Red List of Saproxyllic Beetles does not include the endemic species rightly. It is known only from E Anatolia. So, Turkish Red List category of the species is **VU**.

**Range:** Turkey

**Chorotype:** Anatolian

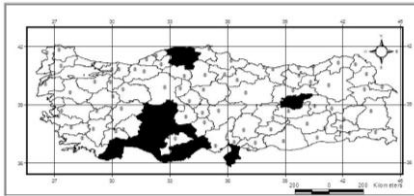


**SPECIES *S. atricornis* Pic, 1891: 102**

According to European Red List of Saproxyllic Beetles, the species was placed in a “Threatened Category” as **VU**. It probably is widely distributed in Anatolia for Turkey. However, Turkish Red List category of the species is **NT**.

**Range:** Europe (Greece), Turkey.

**Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

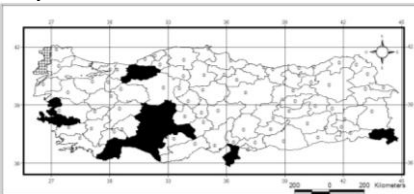


**SPECIES *S. flavicornis* Küster, 1846: 75**

According to European Red List of Saproxyllic Beetles, the species was placed in **LC**. It probably is widely distributed in Turkey. So, Turkish Red List category of the species is **LC**.

**Range:** C and E Europe, Turkey, Middle East (Syria, Israel, Jordan).

**Chorotype:** C and E-European

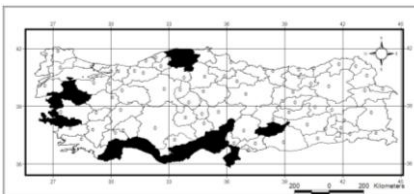


**SPECIES *S. kraatzii* Pic, 1892: 21**

European Red List of Saproxyllic Beetles does not include the endemic species rightly. It probably is widely distributed in Anatolia. So, Turkish Red List category of the species is **LC**.

**Range:** Turkey

**Chorotype:** Anatolian

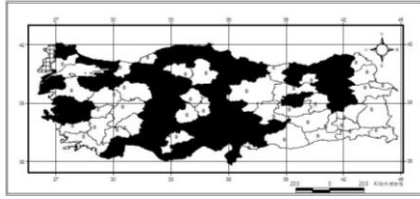


**SPECIES *S. rufus* (Linnaeus, 1767: 642)**

According to European Red List of Saproxyllic Beetles, the species was placed in **LC**. It probably is widely distributed in Turkey. So, Turkish Red List category of the species is **LC**.

**Range:** Europe, Turkmenistan, Caucasus, Transcaucasia (Armenia, Azerbaijan, Georgia), Turkey, Iran, Middle East (Syria, Lebanon, Israel).

**Chorotype:** Turano-European



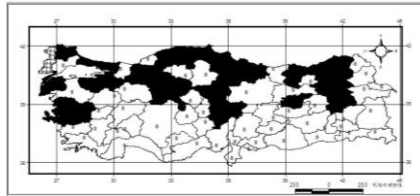
Moreover, the species is represented by two subspecies in Turkey as *S. r. geniculatus* Kraatz, 1863 and *S. r. syriacus* Pic, 1892. However, European Red List of Saproxyllic Beetles does not include the subspecies of *S. rufus* (Linnaeus, 1767).

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

The subspecies is distributed mostly in N Turkey. So, Turkish Red List category of the subspecies is **LC**.

**Range:** SE Europe, Transcaucasia (Armenia, Azerbaijan, Georgia), Turkey.

**Chorotype:** SE-European

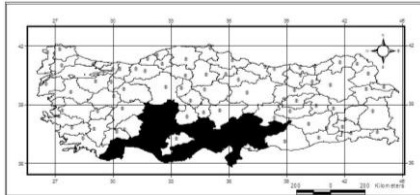


**SUBSPECIES *S. r. syriacus* Pic, 1892: 22**

The subspecies is distributed only in S Anatolia for Turkey. So, Turkish Red List category of the subspecies is **NT**.

**Range:** Turkey, Middle East (Syria, Israel, Lebanon).

**Chorotype:** E-Mediterranean (Palestino-Taurian)



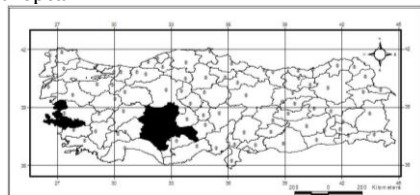
**GENUS *CALLIMOXYS* Kraatz, 1863: 105**

**SPECIES *C. gracilis* (Brullé, 1832: 257)**

According to European Red List of Saproxyllic Beetles, the species was placed in **LC**. It probably is widely distributed in Turkey. However, Turkish Red List category of the species is **DD** now.

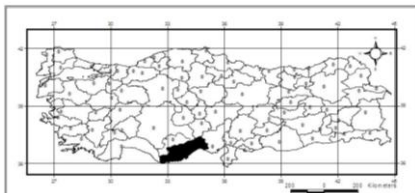
**Range:** C and E Europe, Turkmenistan, Caucasus, Transcaucasia (Armenia, Azerbaijan, Georgia), Turkey, Iran.

**Chorotype:** Turano-European

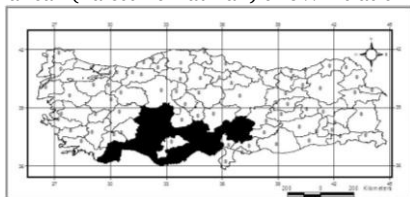


**TRIBE MOLORCHINI Gistel, 1848: [9] (unnumbered section)****GENUS *MOLORCHUS* Fabricius, 1792: 356****SUBGENUS *CAENOPTERA* Thomson, 1859: 150****SPECIES *M. abieticola* Holzschuh, 2007: 218**

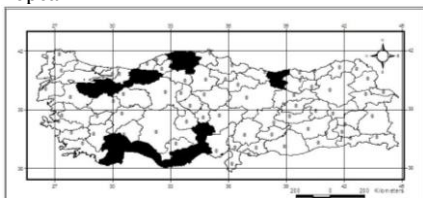
European Red List of Saproxyllic Beetles does not include the endemic species rightly. It is known only from the type locality İcel prov. in SC Anatolia now. So, Turkish Red List category of the species is **DD**.

**Range:** Turkey**Chorotype:** Anatolian**SPECIES *M. juglandis* Sama, 1982: 219**

European Red List of Saproxyllic Beetles does not include the species. It is known only from SC Anatolia for Turkey. So, Turkish Red List category of the species is **NT**.

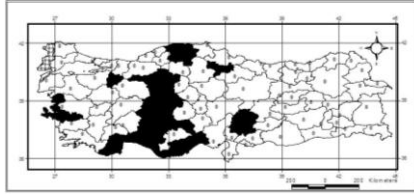
**Range:** Turkey, Israel, Lebanon and ?Transcaucasia (?Georgia).**Chorotype:** E-Mediterranean (Palestino-Taurian) or SW-Asiatic**SPECIES *M. minor* (Linnaeus, 1758: 421)****SUBSPECIES *M. m. minor* (Linnaeus, 1758: 421)**

According to European Red List of Saproxyllic Beetles, the species was placed in **LC**. It is represented only by the nominative subspecies in Turkey. It probably is widely distributed in Turkey. So, Turkish Red List category of the species is **LC**.

**Range:** Europe, Siberia, Far East Russia, Kazakhstan, Mongolia, Korea, China, Caucasus, Turkey.**Chorotype:** Asiatic-European**SUBGENUS *MOLORCHUS* Fabricius, 1792: 356****SPECIES *M. kiesewetteri* Mulsant & Rey, 1861: 189****SUBSPECIES *M. k. hircus* Abeille de Perrin, 1881: 133**

According to European Red List of Saproxyllic Beetles, the species was placed in **DD**. It is represented only by the subspecies *M. kiesewetteri hircus* in Turkey. The subspecies probably is widely distributed in Turkey. So, Turkish Red List category of the species is **LC**.

**Range:** Caucasus, Transcaucasia (Armenia, Azerbaijan, Georgia), Turkey, Iran.**Chorotype:** SW-Asiatic

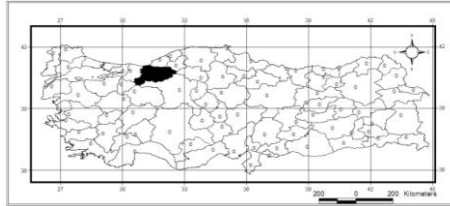


**SPECIES *M. malmusii* (Sama, 1995: 370)**

European Red List of Saproxylic Beetles does not include the endemic species rightly. It is known only from "Bolu prov." in NW Anatolia. Apparently is distributed only in a local area. So, Turkish Red List category of the species is **EN**.

**Range:** Turkey

**Chorotype:** Anatolian

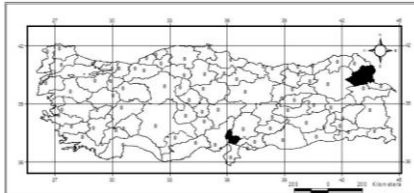


**SPECIES *M. marmottani* (Brisout, 1863: 118)**

According to European Red List of Saproxylic Beetles, the species was placed in **DD**. It is very local species. So, Turkish Red List category of the species is **DD**.

**Range:** C and S Europe, Turkey.

**Chorotype:** C and S European



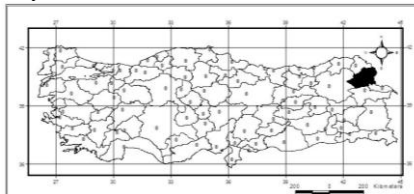
Moreover, the species is represented by two subspecies in Turkey as the nominative subspecies and *M. m. frischi* (sama, 1995). European Red List of Saproxylic Beetles does not include the subspecies of *M. marmottani* (Brisout, 1863).

**SUBSPECIES *M. m. marmottani* (Brisout, 1863: 118)**

The subspecies is known only NE Anatolia (Kars prov.) from Turkey. However, it probably occurs at least some additional localities in N Turkey. So, Turkish Red List category of the subspecies is **DD**.

**Range:** C and S Europe, Turkey.

**Chorotype:** C and S European

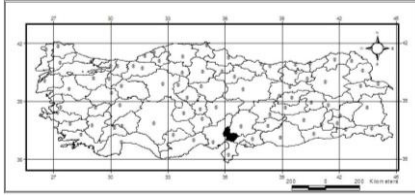


**SUBSPECIES *M. m. frischii* (Sama, 1995: 373)**

The endemic subspecies is known only SC Anatolia (Osmaniye prov.) from Turkey. So, Turkish Red List category of the subspecies is **EN**.

**Range:** Turkey.

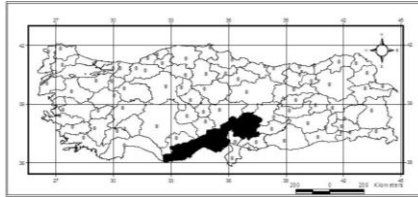
**Chorotype:** Anatolian

**SPECIES *M. tenuitarsis* Holzschuh, 1981: 97**

European Red List of Saproxyllic Beetles does not include the endemic species rightly. It is known only from SC Anatolia. So, Turkish Red List category of the species is **VU**.

**Range:** Turkey

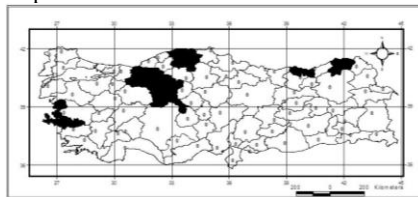
**Chorotype:** Anatolian

**SPECIES *M. umbellatarum* (Schreber, 1759: 9)**

According to European Red List of Saproxyllic Beetles, the species was placed in **LC**. It probably is widely distributed at least in N Anatolia for Turkey. So, Turkish Red List category of the species is **LC**.

**Range:** Europe, Turkmenistan, Caucasus, Transcaucasia (Armenia, Azerbaijan, Georgia), Turkey.

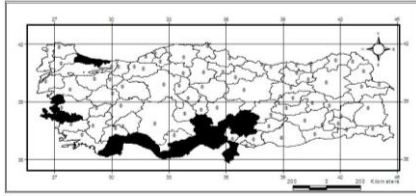
**Chorotype:** Turano-European

**TRIBE PSEBIINI Lacordaire, 1868: 479****GENUS *NATHRIUS* Brèthes, 1916:****SPECIES *N. brevipennis* (Mulsant, 1839: 105)**

According to European Red List of Saproxyllic Beetles, the species was placed in **DD**. It probably is widely distributed at least in W and S Anatolia for Turkey. So, Turkish Red List category of the species is **LC**.

**Range:** Europe, Kazakhstan, China, Caucasus, Transcaucasia (Armenia, Azerbaijan, Georgia), Iran, Turkey, Cyprus, Middle East (Syria, Lebanon, Israel), North Africa (Algeria, Egypt, Libya, Morocco, Tunisia), Nearctic Region (introduced), Neotropical Region (introduced).

**Chorotype:** Holarctic

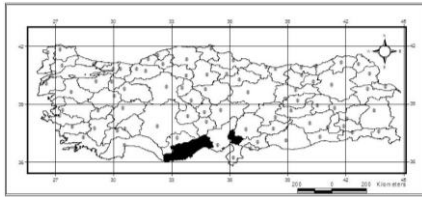


**TRIBE BRACHYPTEROMATINI Sama, 2008: 229**  
**GENUS *DOLOCERUS* Mulsant, 1862: 230**  
**SPECIES *D. holtzi* (Pic, 1905: 114)**

European Red List of Saproxylic Beetles does not include the species. It is known only from SC Anatolia. So, Turkish Red List category of the species is **VU**.

**Range:** Turkey, Syria, Lebanon

**Chorotype:** E-Mediterranean (Palestino-Taurian)

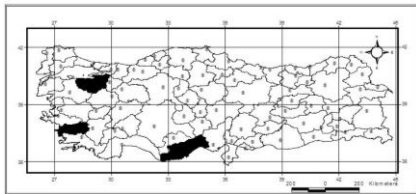


**SPECIES *D. reichii* Mulsant, 1862: 231**

According to European Red List of Saproxylic Beetles, the species was placed in **LC**. It probably is widely distributed in Turkey. However, Turkish Red List category of the species is **DD**.

**Range:** SE Europe, Transcaucasia (Armenia, Azerbaijan, Georgia), Turkey.

**Chorotype:** Turano-Mediterranean (Turano-Apenninian)

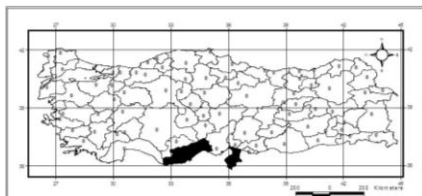


**TRIBE HYBODERINI Linsley, 1840: 367**  
**GENUS *CALLIMUS* Mulsant, 1846: [5]**  
**SUBGENUS *CALLIMUS* Mulsant, 1846: [5]**  
**SPECIES *C. akbesianus* Pic, 1892: CXI**

European Red List of Saproxylic Beetles does not include the endemic species rightly. It is known only from SC Anatolia. Apparently is distributed only in a local area. So, Turkish Red List category of the species is **EN**.

**Range:** Turkey

**Chorotype:** Anatolian

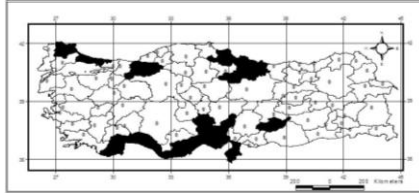


**SPECIES *C. angulatus* (Schrank, 1789 77)****SUBSPECIES *C. a. angulatus* (Schrank, 1789 77)**

According to European Red List of Saproxylic Beetles, the species was placed in **LC**. It is represented only by the nominative subspecies in Turkey. It probably is widely distributed in Turkey. So, Turkish Red List category of the species is **LC**.

**Range:** Europe, Transcaucasia (Armenia, Azerbaijan, Georgia), Iran, Turkey, Syria, North Africa (Algeria, Morocco).

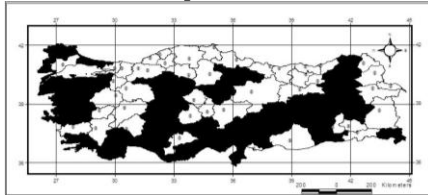
**Chorotype:** Turano-Europeo-Mediterranean

**SUBGENUS *LAMPROPTERUS* Mulsant, 1862: 214****SPECIES *C. femoratus* (Germar, 1824: 519)**

According to European Red List of Saproxylic Beetles, the species was placed in **LC**. It is widely distributed in Turkey. So, Turkish Red List category of the species is **LC**.

**Range:** SE Europe, Caucasus, Transcaucasia (Armenia, Azerbaijan, Georgia), Iran, Turkey, Cyprus, Middle East (Syria, Lebanon, Israel).

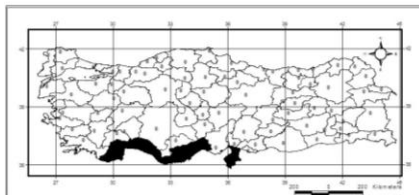
**Chorotype:** E-Mediterranean or SE European

**SUBGENUS *PROCALLIMUS* Pic, 1907: 7****SPECIES *C. egregius* Mulsant & Rey, 1863: 146**

According to European Red List of Saproxylic Beetles, the species was placed in **DD**. It is known only from SC Anatolia. So, Turkish Red List category of the species is **NT**.

**Range:** E Europe (Ukraine), Caucasus, Transcaucasia (Georgia), Turkey, Syria, Lebanon.

**Chorotype:** SW-Asiatic or E-Mediterranean

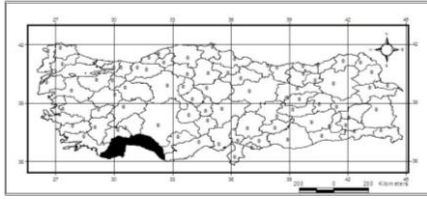
**SPECIES *C. semicyaneus* Pic, 1905: 187**

According to European Red List of Saproxylic Beetles, the species was placed in **DD**. It is known only from SW Anatolia. So, Turkish Red List category of the species is **DD**.

**Range:** Europe (Greece), Turkey.

**Chorotype:** Turano-Mediterranean (Balkano-Anatolian) or E-Mediterranean (Aegean)





### CONCLUSION:

With the present work, “Turkish Red List Categories” for 24 Turkish species group taxa determined (Appendix 1).

**For Turkish Stenopterinae:** The subfamily includes 24 species group taxa (17 species + 7 subspecies) in Turkey. Among them;

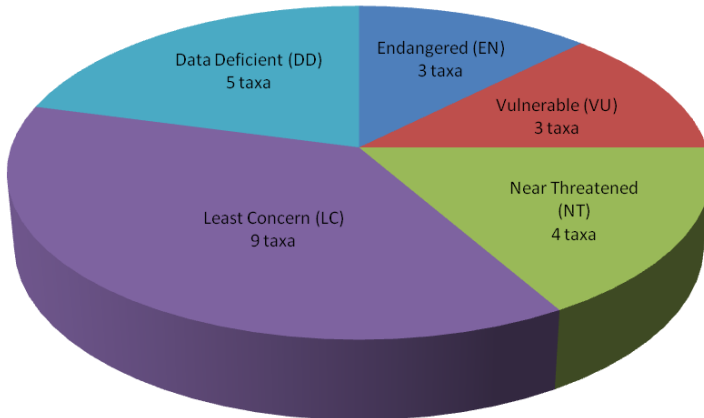
2 species and 1 subspecies is placed within “Endangered (EN)” Category.

3 species is placed within “Vulnerable (VU)” Category.

3 species and 1 subspecies are placed within “Near Threatened (NT)” Category.

5 species and 4 subspecies are placed within “Least Concern (LC)” Category.

4 species and 1 subspecies are placed within “Data Deficient (DD)” Category.



Consequently, only a total of 15 species of Stenopterinae were evaluated in “European Red List Saproxyllic Beetles”. Among them, the Red List Categories of 6 species were changed in “Turkish Red List”.

### LITERATURE CITED

**Danilevsky, M. L.** 2010. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Russian Entomological Journal, 19: 215-239.

**Danilevsky, M. L.** 2011. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. II. Russian Entomological Journal, 19: 313-324.

**Danilevsky, M. L.** 2012a. 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.** 2012b. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. IV. Humanity Space. International Almanac, 1: 86-136.

**Danilevsky, M. L.** 2012c. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. V. Humanity Space. International Almanac, 1: 695-741.

**Danilevsky, M. L.** 2012d. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. VI. Humanity space. International Almanac, 1: 900-943.

**Danilevsky, M. L.** 2013. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. VII. Humanity space. International almanac, 2: 170-210.

**IUCN Red List.** 2013. Guidelines for Using the IUCN Red List Categories and Criteria. Version 10.1 (September 2013). Available from: <http://jr.iucnredlist.org/documents/RedListGuidelines.pdf>

**Löbl, I. & Smetana, A.** 2010. Catalogue of Palaearctic Coleoptera, Volume 6, Chrysomeloidea. Apollo Books, Stenstrup, 924 pp.

**Löbl, I. & Smetana, A.** 2011. Errata for volume 6, pp. 35-61 [Cerambycidae, pp. 35-45]. In: I. Löbl & A. Smetana (ed.): Catalogue of Palaearctic Coleoptera, Vol. 7. Stenstrup: Apollo Books, 373 pp.

**Miroshnikov, A. I.** 2011. The longicorn beetles (Cerambycidae) in "Catalogue of Palaearctic Coleoptera. Stenstrup, 2010". Remarks and additions. Entomologia Kubanica, Supplement 1: 113 pp. [in Russian with English abstract]

**Nieto, A. & Alexander, K. N. A.** 2010. European Red List of Saproxyllic Beetles. Luxembourg: Publications Office of the European Union.

**Özdikmen, H.** 2011. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana (2010) for Turkish taxa. Munis Entomology & Zoology, 6: 686-734.

**Özdikmen, H.** 2014a. Turkish Red List Categories of Longicorn Beetles (Coleoptera: Cerambycidae) Part I – Subfamilies Vesperinae and Prioninae. Munis Entomology & Zoology, 9 (1): 245-253.

**Özdikmen, H.** 2014b. Turkish Red List Categories of Longicorn Beetles (Coleoptera: Cerambycidae) Part II – Subfamily Lepturinae: Xylosteini, Enoploderini, Rhamnusiini, Oxymirini and Rhagiini. Munis Entomology & Zoology, 9 (1): 293-316.

**Özdikmen, H.** 2014c. Turkish Red List Categories of Longicorn Beetles (Coleoptera: Cerambycidae) Part III – Subfamily Lepturinae: Lepturini. Munis Entomology & Zoology, 9 (1): 388-421.

**Özdikmen, H.** 2014d. Turkish Red List Categories of Longicorn Beetles (Coleoptera: Cerambycidae) Part IV – Subfamilies Necydalinae, Aseminae, Saphaninae, Spondylidinae and Apatophyseinae. Munis Entomology & Zoology, 9 (1): 444-454.

**Vigna Taglianti, A., Audisio, P. A., Biondi, M., Bologna, M. A., Carpaneto, G. M., De Biase, A., Fattorini, S., Piattella, E., Sindaco, R., Venchi, A. & Zapparoli, M.** 1999. A proposal for a chorotype classification of the Near East fauna, in the framework of the Western Palaearctic Region. Biogeographia, 20: 31-59.

**Appendix 1.** Red List Categories of Turkish longicorn beetles belonging to Stenopterinae.

| TAXA                                  | TURKISH<br>RED LIST<br>CATEGORY | EUROPEAN<br>RED LIST<br>CATEGORY | EDEMISM<br>FOR<br>TURKEY |
|---------------------------------------|---------------------------------|----------------------------------|--------------------------|
| STENOPTERINAE                         |                                 |                                  |                          |
| <i>Stenopterus adlbaueri</i>          | VU                              | ---                              | YES                      |
| <i>Stenopterus atricornis</i>         | NT                              | VU                               | ---                      |
| <i>Stenopterus flavicornis</i>        | LC                              | LC                               | ---                      |
| <i>Stenopterus kraatzi</i>            | LC                              | ---                              | YES                      |
| <i>Stenopterus rufus</i>              | LC                              | LC                               | ---                      |
| <i>S. rufus geniculatus</i>           | LC                              | ---                              | ---                      |
| <i>S. rufus syriacus</i>              | NT                              | ---                              | ---                      |
| <i>Callimoxys gracilis</i>            | DD                              | LC                               | ---                      |
| <i>Molorchus abieticola</i>           | DD                              | ---                              | YES                      |
| <i>Molorchus juglandis</i>            | NT                              | ---                              | ---                      |
| <i>Molorchus minor minor</i>          | LC                              | LC                               | ---                      |
| <i>Molorchus kiesenwetteri hircus</i> | LC                              | DD                               | ---                      |
| <i>Molorchus malmusii</i>             | EN                              | ---                              | YES                      |
| <i>Molorchus marmottani</i>           | DD                              | DD                               | ---                      |
| <i>M. marmottani marmottani</i>       | DD                              | DD                               | ---                      |
| <i>M. marmottani frischi</i>          | EN                              | ---                              | YES                      |
| <i>Molorchus tenuitarsis</i>          | VU                              | ---                              | YES                      |
| <i>Molorchus umbellatarum</i>         | LC                              | LC                               | ---                      |
| <i>Nathrius brevipennis</i>           | LC                              | DD                               | ---                      |
| <i>Dolocerus holtzi</i>               | VU                              | ---                              | ---                      |
| <i>Dolocerus reichii</i>              | DD                              | LC                               | ---                      |
| <i>Callimus akbesianus</i>            | EN                              | ---                              | YES                      |
| <i>Callimus angulatus angulatus</i>   | LC                              | LC                               | ---                      |
| <i>Callimus femoratus</i>             | LC                              | LC                               | ---                      |
| <i>Callimus egregius</i>              | NT                              | DD                               | ---                      |
| <i>Callimus semicyaneus</i>           | DD                              | DD                               | ---                      |