

THE IMPORTANCE OF SUPERFAMILY CHRYSOMELOIDEA FOR TURKISH BIODIVERSITY (COLEOPTERA)

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ABSTRACT: Endemism richness can be interpreted as the specific contribution of an area to global biodiversity. The degree of endemism for an area is often cited as a measure of the uniqueness of the fauna and consequently is important for prioritizing sites for conservation. Turkey has continental properties considering both species richness and endemism richness in terms of its covered area on the Earth. For this reason, the paper gives an updated list of Turkish Chrysomeloidea that includes a total of 925 species group taxa (897 species and 28 subspecies belonging to 108 genera of 18 subfamilies of 4 families). The endemism ratio for Turkish fauna of Cerambycoidea is 11.14% in 9 subfamilies of 3 families. Because, the family Orsonachnidae, 3 subfamilies in the family Bruchidae (Amblycerinae, Pachymerinae and Rhaebinae), 1 subfamily in the family Megalopodidae (Zeugophorinae), 4 subfamilies in the family Chrysomelidae (Donaciinae, Criocerinae, Timarchinae and Hispinae) do not include any endemic species. Consequently, Turkey can easily be interpreted as a “biodiversity hotspot” on the Earth in terms of the fauna of Cerambycoidea that is an important animal group for Turkish biodiversity in respect to species richness. However, fauna of Turkish Chrysomeloidea has a low (with respect to the closely related superfamily Cerambycoidea that has endemism ratio over 40%, but also a remarkable endemism ratio (11.14%).

KEY WORDS: Biodiversity, Chrysomeloidea, Coleoptera, Turkey.

The superfamily Chrysomeloidea is considered to comprise Vesperidae, Oxypeltidae, Disteniidae, Cerambycidae, Megalopodidae, Orsodacnidae and Chrysomelidae (Lawrence et al. 1999). However, Löbl & Smetana (2010) stated four families as Cerambycidae (incl. Vesperinae, Disteniinae), Megalopodidae, Orsodacnidae and Chrysomelidae in the Palaearctic catalogue of Chrysomeloidea. In accordance to this, Bouchard et al. (2011) in the latest catalogue were used only superfamily Chrysomeloidea Latreille, 1802 instead of two superfamilies Cerambycoidea Latreille, 1802 and Chrysomeloidea Latreille, 1802 for this group. However, the great morphological diversity of beetles has led to the proliferation of suprageneric taxa at various ranks. Reid (1995) stated that “*The Chrysomeloidea are resolved as two groups of taxa: the “cerambycid and “chrysomelid” lineages.* So I prefer to use 2 names for superfamily levels of this group as CERAMBYCOIDEA Latreille, 1802 and CHRYSOMELOIDEA Latreille, 1802 now.

In accordance with the case, the superfamily CHRYSOMELOIDEA Latreille, 1802 includes currently 4 families as Megalopodidae Latreille, 1802; Orsodacnidae Thomson, 1858; Bruchidae Latreille, 1802 and Chrysomelidae Latreille, 1802 (Özdikmen, 2012). Besides, many authors regard the family Bruchidae as a subfamily of the family Chrysomelidae (e.g. Löbl & Smetana, 2010). All families are represented in Turkish fauna.

As known, Turkey that has continental properties, is origin of many taxa and is a refugium (an area where conditions have enabled a species or a community of

species to survive after extinction in surrounding areas) for effected living creatures from geological and climatical changes has more biological importance than any land in the World. As seen the whole World, an incredible variations have also been seen among the insects which are the most influenced living creatures from these changes occurred in the past in Turkey. Turkey appears a continental property changeable in very short distances in terms of climatical features and field structures.

According to Convention on Biological Diversity of United Nations (1992), "*Biological diversity*" means the variability among living organisms from all sources on the Earth. Turkey is at least a "Country of origin of genetic resources" that means the country which possesses those genetic resources in in-situ conditions. The objectives of this Convention, to be pursued in accordance with its relevant provisions, are the conservation of biological diversity, the sustainable use of its components and the fair and equitable sharing of the benefits arising out of the utilization of genetic resources, including by appropriate access to genetic resources and by appropriate transfer of relevant technologies, taking into account all rights over those resources and to technologies, and by appropriate funding. So, the works of biodiversity are based on to determine flora and fauna of whole world or somewhere on the Earth. To achieve the other objectives are based on this base. Hence, floral and/or faunal richness is the most important indicator on biodiversity.

Turkey has continental properties considering both species richness and endemism richness in terms of its covered area on the Earth. Endemism richness can be interpreted as the specific contribution of an area to global biodiversity. The high values of endemism richness on an area emphasize their outstanding importance for global conservation of genetic resources. In addition to this, there is high overlap between regions of highest endemism richness and biodiversity hotspots. The degree of endemism for an area is often cited as a measure of the uniqueness of the fauna and consequently is important for prioritizing sites for conservation. However, the percentage of endemic species shows considerable variation between the different life forms. Currently determined ecoregions are based on vertebrates and plants. Invertebrates have not been evaluated sufficiently from the standpoint of this yet.

Knowledge about Turkish leaf beetles has increased considerably. Consequently, Löbl & Smetana (2010) stated many taxa for Turkey in their catalog. After the catalogue, Aslan (2010) published a paper on Alticinae in Antalya province of Turkey and Ekiz & Gök (2010) published a paper on the genus *Donacia* of SW Turkey. After that, Özdikmen (2011) presented a comprehensive contribution dealing with 288 Turkish leaf beetles and a checklist including 698 species under 89 genera on the base of the Palaearctic Catalogue of Löbl & Smetana (2010). Then, Özdikmen (2012) gave a simple list including 880 species under 108 genera (as 116 species of 14 genera for Bruchidae) for Turkish Chrysomeloidea. So he stated 764 species of 94 genera, except Bruchidae, for Turkish fauna. Also, Özdikmen et al. (2012), published new faunistical data on Bolu, Düzce and Kırıkkale provinces. Recently, Hızal & Parlak (2013), Şen & Gök (2013) and Aslan et al. (2013) also published a few new records for the fauna of Turkey. Finally, Ekiz et al. (2013) presented a check-list including 776 species under 90 genera, except Bruchidae, for Turkish fauna. They stated that "*Recently, Özdikmen (2011) presented a contribution dealing with 288 Turkish leaf beetles and a checklist including 698 species under 89 genera; however, the checklist provided was based on only the Palaearctic catalogue (Löbl and Smetana 2010) and ignored other literature sources of Turkish leaf beetles. Actually, the leaf*

beetle fauna of Turkey includes many more species and a complete synthesized list of whole leaf beetle fauna with distributional information is still needed". In fact that, the work of Özdikmen (2012) and Özdikmen et al. (2012) are missing in the work of Ekiz et al. (2013). The later also do not include some known Turkish taxa. So the above consideration of Ekiz et al. (2013) do not reflect the real status of known Turkish Chrysomeloidea fauna exactly. Anyway, the work of Ekiz et al. (2013) is another valuable work for the fauna of Turkey too.

On the other side, Ekiz et al. (2013) also mentioned that "The leaf beetle fauna of Turkey presents a remarkable endemism with 81 species, which constitute about 10% of the total number. This is surely a result of hotspots included in the area".

Consequently, our study is based on the cited references. It shows that Turkey has species richness in terms of the fauna of Chrysomeloidea that includes a total of 925 species group taxa [including Bruchidae: 897 species and 28 subspecies (excluding the nominotypical subspecies) or excluding Bruchidae: 782 species + 28 subspecies (excluding the nominotypical subspecies)]. But the rich fauna of Turkish Chrysomeloidea includes a total of 103 endemic species group taxa [92 species and 11 subspecies (including nominotypical subspecies and others)]. So the fauna has a remarkable but also low endemism ratio ($103 / 925 = 11.14\%$) with respect to the closely related superfamily Cerambycoidea (over 40%).

As a result of this, a simple list and updated numeric statement of all Turkish Chrysomeloidea fauna and numeric statement of all endemic species group taxa of Turkish Chrysomeloidea fauna on the base of the cited references is presented at the end of related parts of the text necessarily.

An updated faunal list of Turkish Chrysomeloidea that includes a total of 925 species group taxa is presented as follows:

AN UPDATED FAUNAL LIST OF TURKISH CHRYSOMELOIDEA

Superfamily CHRYSOMELOIDEA

Family MEGALOPODIDAE

Subfamily MEGALOPODINAE

Genus *Temnaspis* Lacordaire, 1845
T. nigropunctata (Pic, 1896)

Subfamily ZEUGOPHORINAE

Genus *Zeugophora* Kunze, 1818
Subgenus *Zeugophora* Kunze, 1818
Z. scutellaris Suffrian, 1840
Z. subspinosa (Fabricius, 1781)

Family ORSODACNIDAE

Subfamily ORSODACNINAE

Genus *Orsodacne* Latreille, 1802
O. cerasi (Linnaeus, 1758)
O. humeralis Latreille, 1804
O. variabilis Bally, 1877

Family BRUCHIDAE

Subfamily BRUCHINAE

Tribe BRUCHINI

Genus *Bruchus* Linnaeus, 1767
B. affinis J. A. Frölich, 1799
B. altaicus Fahraeus, 1839

B. anatolicus Anton, 1999
B. atomarius (Linnaeus, 1760)
B. brachialis Fahraeus, 1839
B. dentipes (Baudi di Selve, 1886)
B. emarginatus Allard, 1868
B. ervi J. A. Frölich, 1799
B. hamatus Miller, 1881
B. laticollis Boheman, 1833
B. lentis Frölich, 1799
B. libanensis Zampetti, 1993
B. loti Paykull, 1800
B. lugubris Fahraeus, 1839
B. luteicornis Illiger, 1794
B. pisorum (Linnaeus, 1758)
B. rufimanus Boheman, 1833
B. rufipes Herbst, 1783
B. sibiricus Germar, 1824
B. signaticornis Gyllenhal, 1833
B. tetragonus (Baudi di Selve, 1886)
B. tristiculus Fahraeus, 1839
B. tristis Boheman, 1833
B. ulicis Mulsant & Rey, 1858
B. venustus Fahraeus, 1839
B. viciae Olivier, 1795

TRIBE ACANTHOSCELIDINI

Genus *Acanthoscelides* Schilsky, 1905
A. obtectus (Say, 1831)

Genus *Acanthobruchidius* Borowiec, 1980
A. spiniger (Baudi di Selve, 1886)

Genus *Bruchidius* Schilsky, 1905
B. albolineatus (Blanchard, 1844)
B. albopictus (Allard, 1883)
B. annulicornis (Allard, 1868)
B. anobioides (Baudi di Selve, 1886)
B. armeniacus Ter-Minassian, 1969
B. biguttatus (Olivier, 1795)
B. bimaculatus (Olivier, 1795)
B. bituberculatus Schilsky, 1905
B. borowieci Anton, 1998
B. bythinocerus (Reitter, 1890)
B. calabrensis (Blanchard, 1844)
B. canescens (Motschulsky, 1874)
B. caninus (Kraatz, 1869)
B. cinerascens (Gyllenhal, 1833)
B. cisti (Fabricius, 1775)
B. dilutus (Motschulsky, 1874)
B. dispar (Gyllenhal, 1833)
B. fischeri (Hummel, 1827)
B. foveolatus (Gyllenhal, 1833)
B. fulvescens (Baudi di Selve, 1886)
B. holosericeus (Schoenherr, 1832)
B. imbricornis (Panzer, 1795)
B. kieneri Zampetti, 1992
B. koenigi Schilsky, 1906
B. lateobscurus (Pic, 1904)
B. lineatus (Allard, 1868)
B. lividimanus (Gyllenhal, 1833)
B. loebli Borowiec, 1985
B. longulus Schilsky, 1905
B. lucifugus (Boheman, 1833)
B. lutescens (Blanchard, 1844)
B. marginalis (Fabricius, 1776)
B. monstrosicornis (Pic, 1904)
B. mordelloides (Baudi di Selve, 1886)
B. mulsanti (Brisout de Barneville, 1863)
B. murinus (Boheman, 1829)
B. nanus (Germar, 1824)
B. obscuripes (Gyllenhal, 1839)
B. ochraceus (Baudi di Selve, 1886)
B. olivaceus (Germar, 1824)
B. picipes (Germar, 1824)
B. poecilus (Germar, 1824)
B. poupillieri (Allard, 1868)
B. pubicornis Lukjanovitch & Ter-Min., 1957
B. pusillus (Germar, 1824)
B. pygmaeus (Boheman, 1833)
B. quinqueguttatus (Olivier, 1795)
B. reitteri Schilsky, 1906
B. richteri Lukjanovitch & Ter-Min., 1954
B. robustus Lukjanovitch & Ter-Min., 1957
B. rufisurus (Allard, 1883)
B. seminarius (Linnaeus, 1767)
B. sericatus (Germar, 1824)
B. serraticornis (Fabricius, 1775)
B. siliquastri Delobel, 2007
B. sivasensis Zampetti, 1984
B. steveni (Gyllenhal, 1839)
B. talyshensis Ter-Minassian, 1969
B. terrenus (Sharp, 1886)
B. tibialis (Boheman, 1829)
B. trifollii (Motschulsky, 1874)
B. tuberculatus (Hochhut, 1847)

B. unicolor (Olivier, 1795)
B. varipictus (Motschulsky, 1874)
B. varius (Olivier, 1795)
B. villosus (Fabricius, 1792)
B. virgatoides Lukjanovitch & Ter-Min., 1957
B. virgatus (Fahraeus, 1839)

Genus *Callosobruchus* Pic, 1902
C. analis (Fabricius, 1781)
C. chinensis (Linnaeus, 1758)
C. maculatus (Fabricius, 1775)

Genus *Mimosestes* Bridwell, 1946
M. mimosae (Fabricius, 1781)

Genus *Paleoacanthoscelides* Borowiec, 1985
P. gilvoides (Lukjanovitch & Ter-Min., 1957)
P. gilvus (Gyllenhal, 1839)

Genus *Palaeobruchidius* Egorov, 1989
P. plagiatus (Reiche & Saulcy, 1857)

Genus *Pseudopachymerina* Zacher, 1952
P. spinipes (Erichson, 1833)

Genus *Salviabruchus* Decelle, 1982
S. retusus (Baudi di Selve, 1886)

Subfamily AMBLYCERINAE
Tribe SPERMOPHAGINI

Genus *Spermophagus* Schoenherr, 1833
S. calystegiae (Lukjanovitch & Ter-Min., 1957)
S. caricus Decelle, 1982
S. caucasicus Baudi di Selve, 1886
S. confusus Borowiec, 1986
S. kuesteri Schilsky, 1905
S. lukjanovitschi Savitsky, 2000
S. pubiventris Baudi di Selve, 1886
S. sericeus (Geoffroy, 1785)

Genus *Zabrotes* Horn, 1885
Z. subfasciatus (Boheman, 1833)

Subfamily PACHYMERINAE
Tribe CARYEDONTINI

Genus *Caryedon* Schoenherr, 1823
C. angerei (Semenov, 1896)
C. germari (Küster, 1845)
C. halperini Anton & Delobel, 2004

Subfamily RHAEBINAE
Genus *Rhaebus* Fischer Von Waldheim, 1824
R. mannerheimi Motschulsky, 1845

Family CHRYSOMELIDAE
Subfamily DONACIINAE

Genus *Donacia* Fabricius, 1775
D. aquatica (Linnaeus, 1758)
D. bicolora Zschach, 1788
D. cinerea Herbst, 1784
D. clavipes Fabricius, 1792
D. delagrangei Pic, 1896
D. impressa (Paykull, 1799)

D. kraatzii Weise, 1881
D. marginata Hoppe, 1795
D. microcephala J. Daniel, 1904
D. mistshenkoi Jakobson, 1910
D. simplex Fabricius, 1775
D. thalassina Germar, 1811
D. tomentosa Ahrens, 1810
D. vulgaris Zschach, 1775

Genus *Macropolea* Samouelle, 1819
M. mutica Fabricius, 1792

Genus *Plateumaris* Thomson, 1859
 Subgenus *Euplateumaris* I.-Khnzorian, 1966
P. sericea (Linnaeus, 1760)
 Subgenus *Plateumaris* Thomson, 1859
P. consimilis (Schrank, 1781)

Subfamily CRIOCERINAE

Genus *Crioceris* Geoffroy, 1762
C. asparagi (Linnaeus, 1758)
C. bicrucata (Sahlberg, 1823)
C. duodecimpunctata (Linnaeus, 1758)
C. paracenthesis (Linnaeus, 1767)
C. quatuordecimpunctata (Scopoli, 1763)
C. sokolowi Jakobson, 1894

Genus *Lema* Fabricius, 1798
 Subgenus *Lema* Fabricius, 1798
L. cyanella (Linnaeus, 1758)

Genus *Lilioceris* Reitter, 1913
L. faldermanni (Guérin-Méneville, 1844)
L. lili (Scopoli, 1763)
L. merdigera (Linnaeus, 1758)

Genus *Oulema* Gozis, 1886
O. duftschmidi (Redtenbacher, 1874)
O. gallaeciana (Heyden, 1870)
O. melanopus (Linnaeus, 1758)

Subfamily CLYTRINAE

Genus *Cheilotoma* Chevrolat, 1836
 Subgenus *Cheilotoma* Chevrolat, 1836
C. beldei Kasap, 1984
C. erythrostoma Faldermann, 1837
C. e. erythrostoma Faldermann, 1837
C. musciformis (Goeze, 1777)
C. m. musciformis (Goeze, 1777)
C. voriseki Medvedev & Kantner, 2003

Genus *Clytra* Laicharting, 1781
 Subgenus *Clytra* Laicharting, 1781
C. aliena Weise, 1897
C. laeviuscula Ratzeburg, 1837
C. quadripunctata (Linnaeus, 1758)
C. q. quadripunctata (Linnaeus, 1758)
 Subgenus *Clytraria* Semenov, 1903
C. atraphaxidis (Pallas, 1773)
C. a. atraphaxidis (Pallas, 1773)
C. novempunctata Olivier, 1808
C. valeriana (Ménétriés, 1832)
C. v. valeriana (Ménétriés, 1832)
C. v. taurica Medvedev, 1961

Subgenus *Ovoclytra* Medvedev, 1961
C. binominata Monros, 1953
C. bodemeyeri Weise, 1900
C. b. bodemeyeri Weise, 1900
C. nigrocincta (Lacordaire, 1848)
C. n. nigrocincta (Lacordaire, 1848)
C. ovata (Lacordaire, 1848)
C. o. ovata (Lacordaire, 1848)
C. o. borealis Medvedev & Kantner, 2002
C. rotundata Medvedev, 1961
C. weisei Monros, 1953

Genus *Coptocephala* Chevrolat, 1836
C. destinoi Fairmaire, 1884
C. fallaciosus Fairmaire, 1884
C. gebleri (Gebler, 1841)
C. simillima Lodewyckx, 1995
C. unifasciata (Scopoli, 1763)
C. u. unifasciata (Scopoli, 1763)

Genus *Labidostomis* Germar, 1822
 Subgenus *Labidostomis* Germar, 1822
L. asiatica Faldermann, 1837
L. axillaris Lacordaire, 1848
L. basanica Sahlberg, 1913
L. beckeri Weise, 1881
L. brevipedennis Faldermann, 1837
L. cyanicornis (Germar, 1822)
L. decipiens Faldermann, 1837
L. diversifrons Lefèvre, 1872
L. elegans Lefèvre, 1876
L. hebraea Lacordaire, 1848
L. humeralis (Schneider, 1792)
L. karamanica Weise, 1900
L. kaszabi (Medvedev, 1962)
L. korbi Weise, 1902
L. longimana (Linnaeus, 1760)
L. lucida (Germar, 1824)
L. maculipennis Lefèvre, 1870
L. mesopotamica Heyden, 1886
L. metallica Lefèvre, 1872
L. m. metallica Lefèvre, 1872
L. oertzeni Weise, 1889
L. pallidipennis (Gebler, 1830)
L. peregrina Weise, 1900
L. propinqua Faldermann, 1837
L. rufa (Waltl, 1838)
L. subfasciata Weise, 1885
L. sulcicollis Lacordaire, 1848
L. testaceipes Pic, 1904

Genus *Lachnaia* Chevrolat, 1836
 Subgenus *Lachnaia* Chevrolat, 1836
L. sexpunctata (Scopoli, 1763)

Genus *Macrolenes* Chevrolat, 1836
M. dentipes (Olivier, 1808)

Genus *Smaragdina* Chevrolat, 1836
S. affinis (Illiger, 1794)
S. a. affinis (Illiger, 1794)
S. amasina (Pic, 1897)
S. aurita (Linnaeus, 1767)
S. a. aurita (Linnaeus, 1767)
S. biornata (Lefèvre, 1872)
S. b. biornata (Lefèvre, 1872)

S. b. angorensis (Lopatin, 2002)
S. chloris (Lacordaire, 1848)
S. c. chloris (Lacordaire, 1848)
S. djebellina (Lefèvre, 1872)
S. flavicollis (Charpentier, 1825)
S. graeca (Kraatz, 1872)
S. hypocrita (Lacordaire, 1848)
S. judaica (Lefèvre, 1872)
S. laeviceps Abeille de Perrin, 1895
S. limbata (Steven, 1806)
S. persica Pic, 1911
S. salicina (Scopoli, 1763)
S. scutellaris (Lefèvre, 1872)
S. tibialis (Brullé, 1832)
S. unipunctata (Olivier, 1808)
S. vaulogeri (Pic, 1895)
S. viridana (Lacordaire, 1848)
S. v. viridana (Lacordaire, 1848)
S. xanthaspis (Germar, 1824)

Genus *Tituboea* Lacordaire, 1848
T. arabica (Olivier, 1808)
T. macropus (Illiger, 1800)
T. sexmaculata (Fabricius, 1781)

Subfamily CRYPTOCEPHALINAE

Genus *Acolastus* Gerstaecker, 1855
 Subgenus *Anopsilus* Jakobson, 1917
A. glabratus (Lopatin, 1985)
A. iranicus (Lopatin, 1980)

Genus *Cryptocephalus* Geoffroy, 1762
 Subgenus *Asionus* Lopatin, 1988
C. amasiensis Weise, 1894
C. apicalis Gebler, 1830
C. curda Jakobson, 1897
C. flexuosus Krynicki, 1834
C. gloriosus Mulsant & Wachanru, 1853
C. phaleratus (Tappes, 1871)
C. pseudoreitteri Tomov, 1976
C. quatuordecimmaculatus Schneider, 1792
C. tappesi Marseul, 1868
C. volkovitshi Lopatin, 1976
 Subgenus *Burlinius* Lopatin, 1965
C. ayvazi Gök & Sassi, 2002
C. bilineatus (Linnaeus, 1767)
C. chrysopus Gmelin, 1790
C. connexus Olivier, 1807
C. elegantulus Gravenhorst, 1807
C. exiguus Schneider, 1792
C. e. amicus Baly, 1873
C. e. variceps Weise, 1884
C. fausti Weise, 1882
C. fulvus Goeze, 1777
C. f. fulvus Goeze, 1777
C. f. schatzmayri Burlini, 1969
C. labiatus (Linnaeus, 1760)
C. lederi Weise, 1889
C. macellus Suffrian, 1860
C. ocellatus Drapiez, 1819
C. o. ocellatus Drapiez, 1819
C. oranensis Weise, 1882
C. populi Suffrian, 1848
C. pusillus Fabricius, 1777

C. pygmaeus Fabricius, 1792
C. p. vittula Suffrian, 1848
C. rufipes (Goeze, 1777)
C. strigosus Germar, 1824
C. sultani Pic, 1920
C. tschimganensis Weise, 1894
C. t. tschimganensis Weise, 1894
C. tshorumae Tomov, 1984
 Subgenus *Cryptocephalus* Geoffroy, 1762
C. androgyne Marseul, 1875
C. a. androgyne Marseul, 1875
C. anticus Suffrian, 1848
C. bameuli Duhaldeborde, 1999
C. bicolor Eschscholz, 1818
C. biguttatus (Scopoli, 1763)
C. biledjekensis Pic, 1909
C. bipunctatus (Linnaeus, 1758)
C. b. bipunctatus (Linnaeus, 1758)
C. cordiger (Linnaeus, 1758)
C. crassus Olivier, 1791
C. cribratus Suffrian, 1847
C. duplicatus Suffrian, 1847
C. flavipes Fabricius, 1781
C. ilicis Olivier, 1808
C. imperialis Laicharting, 1781
C. infraniger Pic, 1915
C. janthinus Germar, 1824
C. messutati Kippenberg, 2011
C. moraei (Linnaeus, 1758)
C. octomaculatus Rossi, 1790
C. octopunctatus (Scopoli, 1763)
C. o. octopunctatus (Scopoli, 1763)
C. paphlagonius Sassi & Kismali, 2000
C. paradisiacus Weise, 1900
C. parvulus Müller, 1776
C. peyroni Marseul, 1875
C. praticola Weise, 1889
C. quadriguttatus (Richter, 1820)
C. rugicollis Olivier, 1791
C. sericeus (Linnaeus, 1758)
C. sexpunctatus (Linnaeus, 1758)
C. s. sexpunctatus (Linnaeus, 1758)
C. signatifrons Suffrian, 1847
C. solivagus Leonardi & Sassi, 2001
C. surdus Rapilly, 1980
C. testaceitarsis Pic, 1915
C. transcausicus Jakobson, 1898
C. trimaculatus Rossi, 1790
C. turcicus Suffrian, 1847
C. virens Suffrian, 1847
 Subgenus *Heterichnus* Warchalowski, 1991
C. loebli Sassi, 1997
C. prusias Suffrian, 1853
 Subgenus *Lamellosus* Tomov, 1979
C. angorensis Pic, 1908
 Subgenus *Protophysus* Chevrolat, 1836
C. schaefferi Schrank, 1789
C. s. moehringi Weise, 1884
C. wehnckei Weise, 1881

Genus *Pachybrachis* Chevrolat, 1836
 Subgenus *Pachybrachis* Chevrolat, 1836
P. adaliensis (Weise, 1886)
P. albicans (Weise, 1882)
P. anatolicus Lopatin, 1985
P. bodemeyeri (Weise, 1906)

P. cordatus Sassi & Schöller, 2003
P. excisus (Weise, 1897)
P. fimbriolatus (Suffrian, 1848)
P. glycyrrhizae (Olivier, 1808)
P. hieroglyphicus (Laicharting, 1781)
P. humeralis Burlini, 1956
P. instabilis Weise, 1887
P. laticollis (Suffrian, 1860)
P. leonardii Sassi & Schöller, 2003
P. limbatus (Ménétriés, 1836)
P. mardinensis (Weise, 1900)
P. mendax Suffrian, 1860
P. m. mendax Suffrian, 1860
P. nigropunctatus Suffrian, 1854
P. nitidicollis (Weise, 1894)
P. pentheri (Ganglbauer, 1905)
P. picus (Weise, 1882)
P. scripticollis Faldermann, 1837
P. scriptidorsum Marseul, 1875
P. sinuatus (Mulsant & Rey, 1859)
P. tessellatus (Olivier, 1791)
P. t. tauricus Suffrian, 1848
P. velarum Warchalowski, 1998
P. vermicularis Suffrian, 1854
P. warchalowskii Lopatin & Nesterova, 2010

Genus *Stylosomus* Suffrian, 1848
 Subgenus *Stylosomus* Suffrian, 1848
S. flavus Marseul, 1875
S. f. flavus Marseul, 1875
S. subelongatus Pic, 1913
S. tamaricis (Herrich-Schäffer, 1836)

Subfamily EUMOLPINAE

Genus *Bedelia* Lefèvre, 1875
B. insignis Lefèvre, 1875

Genus *Bromius* Chevrolat, 1836
B. obscurus (Linnaeus, 1758)

Genus *Colaspinella* Weise, 1893
C. grandis (Frivaldszky, 1880)

Genus *Chloropterus* Morawitz, 1861
C. versicolor (Morawitz, 1860)

Genus *Chrysochares* Morawitz, 1861
C. asiaticus (Pallas, 1771)

Genus *Crysochus* Chevrolat, 1836
C. asclepiadeus (Pallas, 1773)
C. a. asiaeminoris DeMonte, 1848

Genus *Damasus* Chapuis, 1874
D. albicans Chapuis, 1874

Genus *Floricola* Gistel, 1848
F. ulema (Germar, 1813)

Genus *Macrocoma* Chapuis, 1874
M. brunnipes (Olivier, 1808)
M. b. obscuricolor (Pic, 1905)
M. delagrangi (Pic, 1898)
M. doboszi Borowiec, 2005

M. fortidens (Berti & Rapilly, 1973)
M. korbi (Pic, 1901)
M. rubripes (Schaufuss, 1862)
M. r. rubripes (Schaufuss, 1862)
M. substriata Weise, 1904

Genus *Malegia* Lefèvre, 1883
M. colchica Reitter, 1912

Genus *Pachnephorus* Chevrolat, 1836
 Subgenus *Pachnephorus* Chevrolat, 1836
P. bistriatus Mulsant & Wachanru, 1852
P. canus Weise, 1882
P. cylindricus Lucas, 1849
P. pilosus (Rossi, 1790)
P. robustus Desbrochers, 1870
P. tessellatus (Duftschmid, 1825)
P. villosus (Duftschmid, 1825)

Subfamily CHRYSOMELINAE

Genus *Chrysolina* Motschulsky, 1860
 Subgenus *Bittotaenia* Motschulsky, 1860
C. aeneipennis (Reiche & Saulcy, 1858)
C. grata (Faldermann, 1837)
C. g. grata (Faldermann, 1837)
C. salviae (Germar, 1824)
C. s. salviae (Germar, 1824)
C. s. compuncta Weise, 1889

Subgenus *Chalcoidea* Motschulsky, 1860
C. analis (Linnaeus, 1767)
C. marginata (Linnaeus, 1758)
C. m. marginata (Linnaeus, 1758)
C. m. unificans Bechyné, 1950

C. sellata Weise, 1894
C. songarica Gebler, 1843
C. tesari Roubal, 1936

C. t. tesari Roubal, 1936
 Subgenus *Chrysolina* Motschulsky, 1860
C. blanchei (Fairmaire, 1865)
C. b. blanchei (Fairmaire, 1865)

C. staphylaea (Linnaeus, 1758)
C. s. staphylaea (Linnaeus, 1758)
 Subgenus *Chrysolinopsis* Bechyné, 1950

C. americana (Linnaeus, 1758)
 Subgenus *Chrysomorpha* Motschulsky, 1860
C. cerealis (Linnaeus, 1767)

C. c. cerealis (Linnaeus, 1767)
C. c. cyaneourata Motschulsky, 1860
 Subgenus *Colaphodes* Motschulsky, 1860

C. haemoptera (Linnaeus, 1758)
C. h. haemoptera (Linnaeus, 1758)
C. h. byzantia Jolivet, 1951

Subgenus *Colaphoptera* Motschulsky, 1860
C. abchastica Weise, 1892
C. planicollis (Breit, 1919)

Subgenus *Colaphosoma* Motschulsky, 1860
C. sturmi Westhoff, 1882
 Subgenus *Diachalcoidea* Bechyné, 1955

C. sacarum (Weise, 1890)
C. s. sacarum (Weise, 1890)
 Subgenus *Erythrochrysa* Bechyné, 1950

C. polita (Linnaeus, 1758)
C. p. polita (Linnaeus, 1758)

Subgenus *Euchrysolina* Bechyné, 1950
C. graminis (Linnaeus, 1758)

- C. g. graminis* (Linnaeus, 1758)
Subgenus *Fastuolina* Warchałowski, 1991
C. fastuosa (Scopoli, 1763)
 C. f. fastuosa (Scopoli, 1763)
 C. f. inexplicabilis Bransik, 1910
Subgenus *Hypericia* Bedel, 1892
C. anatolica (Dahlgren, 1984)
C. cuprina (Duftschmid, 1825)
 C. c. cuprina (Duftschmid, 1825)
 C. c. staneki Bechyně, 1949
C. didymata (Scriba, 1791)
 C. d. didymata (Scriba, 1791)
 C. d. syriaca (Weise, 1884)
C. geminata (Paykull, 1799)
C. hyperici (Forster, 1771)
 C. h. hyperici (Forster, 1771)
Subgenus *Lopatunica* Kippenberg, 2012
C. adzharica Lopatin, 1988
 C. a. heinzi Kippenberg, 2012
 C. a. excavata Kippenberg, 2012
C. boluensis Kippenberg, 2012
C. daccordiana Kippenberg, 2012
C. differens Franz, 1952
C. kataevi Lopatin, 2000
Subgenus *Ovosoma* Motschulsky, 1860
C. orientalis (Olivier, 1807)
 C. o. orientalis (Olivier, 1807)
 C. o. halysa Bechyně, 1950
 C. o. sahlbergi (Ménétriés, 1832)
 C. o. thraeissa Bechyně, 1950
C. turca (Fairmaire, 1865)
C. vernalis (Brullé, 1832)
 C. v. ottomana (Weise, 1906)
C. wittmeri Medvedev, 1975
Subgenus *Ovostoma* Motschulsky, 1860
C. olivieri Bedel, 1892
 C. o. olivieri Bedel, 1892
 C. o. azurea Bechyně, 1946
Subgenus *Paradiachalcoidea* Daccordi, 1978
C. palmyrensis Bechyně, 1955
 C. p. assurensis Bechyně, 1955
Subgenus *Sphaeromela* Bedel, 1892
C. varians (Schaller, 1783)
Subgenus *Stichoptera* Motschulsky, 1860
C. gypsophilae (Küster, 1845)
C. sanguinolenta (Linnaeus, 1758)
Subgenus *Sulcicollis* Sahlberg, 1913
C. chalcites (Germar, 1824)
C. impavida Bechyně, 1949
C. oricalcia (Müller, 1776)
C. peregrina (Herrich-Schäffer, 1838)
Subgenus *Synerga* Weise, 1900
C. coeruleans (Scriba, 1791)
 C. c. coeruleans (Scriba, 1791)
 C. c. angelica (Reiche & Saulcy, 1858)
C. herbacea (Duftschmid, 1825)
 C. h. herbacea (Duftschmid, 1825)
 C. h. alacris Bechyně, 1950
 C. h. recticollis Motschulsky, 1860
Subgenus *Taeniossticha* Motschulsky, 1860
C. pseudolurida (Roubal, 1817)
 C. reitteri (Weise, 1884)
Subgenus *Threnosoma* Motschulsky, 1860
C. anceyi (Marseul, 1868)
 C. a. anceyi (Marseul, 1868)
- C. limbata* (Fabricius, 1775)
 C. l. volodi Bienkowski & O.-Bienk., 2011
- Genus *Chrysomela* Linnaeus, 1758
C. collaris Linnaeus, 1758
C. populi Linnaeus, 1758
C. saliceti (Weise, 1884)
 C. saliceti saliceti (Weise, 1884)
C. tremula Fabricius, 1787
 C. t. tremula Fabricius, 1787
C. vigintipunctata (Scopoli, 1763)
 C. v. vigintipunctata (Scopoli, 1763)
- Genus *Colaphellus* Weise, 1916
C. apicalis (Ménétriés, 1832)
C. sophiae (Schaller, 1783)
 C. s. amasiae Machatschke, 1954
 C. s. transsylvanicus Machatschke, 1954
- Genus *Cyrttonastes* Fairmaire, 1874
Subgenus *Cyrttonastes* Fairmaire, 1874
C. confusus Berti & Daccordi, 1974
C. grandis Lopatin, 1994
Subgenus *Natocyrstes* Kippenberg, 2010
N. seriatoporus Fairmaire, 1880
- Genus *Entomoscelis* Chevrolat, 1837
E. adonidis (Pallas, 1771)
E. sacra (Linnaeus, 1758)
E. suturalis Weise, 1882
- Genus *Gastrophysa* Chevrolat, 1836
Subgenus *Gastrophysa* Chevrolat, 1836
G. polygoni (Linnaeus, 1758)
 G. p. polygoni (Linnaeus, 1758)
G. viridula (DeGeer, 1775)
 G. v. viridula (DeGeer, 1775)
 G. v. caucasica Jolivet, 1951
- Genus *Gonioctena* Chevrolat, 1836
Subgenus *Gonioctena* Chevrolat, 1836
G. decemnotata Marsham, 1802
G. linnaeana (Schränk, 1781)
 G. l. linnaeana (Schränk, 1781)
G. viminalis (Linnaeus, 1758)
 G. v. viminalis (Linnaeus, 1758)
Subgenus *Spartomena* Reitter, 1913
G. akbesiana Fairmaire, 1884
G. fornicata (Brüggemann, 1873)
- Genus *Leptinotarsa* Chevrolat, 1836
L. decemlineata (Say, 1824)
- Genus *Neophaedon* Jakobson, 1901
N. pyritosus (Rossi, 1792)
- Genus *Phaedon* Latreille, 1829
Subgenus *Phaedon* Latreille, 1829
P. armoraciae (Linnaeus, 1758)
P. cochleariae (Fabricius, 1792)
 P. c. cochleariae (Fabricius, 1792)
- Genus *Phratora* Chevrolat, 1836
Subgenus *Phratora* Chevrolat, 1836
P. vulgatissima (Linnaeus, 1758)

Subgenus *Phyllodecta* Kirby, 1837
P. horioni (Mohr, 1968)
P. laticollis (Suffrian, 1851)
P. tibialis (Suffrian, 1851)
P. t. tibialis (Suffrian, 1851)
P. vitellinae (Linnaeus, 1758)

Genus *Plagioderia* Chevrolat, 1836
P. versicolora (Laicharting, 1781)

Genus *Plagiosterna* Motschulsky, 1860
P. aenea (Linnaeus, 1758)
P. a. aenea (Linnaeus, 1758)

Genus *Prasocuris* Latreille, 1802
 Subgenus *Hydrothassa* Thomson, 1859
P. flavocincta (Brullé, 1832)
P. glabra (Herbst, 1783)
 Subgenus *Prasocuris* Latreille, 1802
P. junci (Brahm, 1790)
P. phellandri (Linnaeus, 1758)

Genus *Zygogramma* Chevrolat in Dej., 1836
Z. suturalis (Fabricius, 1775)

Subfamily TIMARCHINAE

Genus *Timarcha* Latreille, 1829
 Subgenus *Metallotimarcha* Motschulsky, 1860
T. hummeli Faldermann, 1837
T. h. hummeli Faldermann, 1837
 Subgenus *Timarcha* Latreille, 1829
T. olivieri (Fairmaire, 1868)
T. o. olivieri (Fairmaire, 1868)
T. pratensis Duftschmid, 1825
T. rugulosa Herrich-Schäffer, 1838
T. r. rugulosa Herrich-Schäffer, 1838
T. tenebricosa (Fabricius, 1775)

Subfamily GALERUCINAE

Genus *Agelastica* Chevrolat, 1836
A. alni (Linnaeus, 1758)
A. a. alni (Linnaeus, 1758)

Genus *Aulacophora* Chevrolat, 1836
A. foveicollis (Lucas, 1849)

Genus *Calomicrus* Dillwyn, 1829
C. angorensis (Pic, 1912)
C. apicalis Demaison, 1891
C. azureus (Fairmaire, 1884)
C. circumfusus (Marshall, 1802)
C. lividus (Joannis, 1866)
C. malkini Warchalowski, 1991
C. pinicola (Duftschmid, 1825)
C. syriacus (Weise, 1898)
C. turcicus Medvedev, 1975

Genus *Diorhabda* Weise, 1983
D. carinata Faldermann, 1837
D. elongata (Brullé, 1832)

Genus *Euluperus* Weise, 1886
E. major Weise, 1886

Genus *Exosoma* Jacoby, 1903
E. flavipes (Heyden, 1878)
E. gaudionis (Reiche, 1862)
E. neglectum Mohr, 1968
E. thoracicum (Redtenbacher, 1843)

Genus *Galeruca* Geoffroy, 1762
 Subgenus *Galeruca* Geoffroy, 1762
G. armeniaca Weise, 1866
G. circassica Reitter, 1899
G. dahlia (Joannis, 1865)
G. d. dahlia (Joannis, 1865)
G. impressicollis Pic, 1934
G. interrupta (Illiger, 1802)
G. jucunda Faldermann, 1837
G. littoralis Fabricius, 1787
G. pomonae (Scopoli, 1763)
G. p. pomonae (Scopoli, 1763)
G. spectabilis (Faldermann, 1837)
G. s. orientalis (Osculati, 1844)
G. tanacetii (Linnaeus, 1758)
G. t. tanacetii (Linnaeus, 1758)
 Subgenus *Eumarhopa* Weise, 1886
G. rufa Germar, 1824
 Subgenus *Haptoscelis* Weise, 1886
G. melanocephala (Ponza, 1805)

Genus *Galerucella* Crotch, 1873
 Subgenus *Galerucella* Crotch, 1873
G. griseescens (Joannis, 1866)
G. nymphaeae (Linnaeus, 1758)
 Subgenus *Neogalerucella* Chujo, 1962
G. calvariensis (Linnaeus, 1767)
G. lineola (Fabricius, 1781)
G. l. lineola (Fabricius, 1781)
G. pusilla Duftschmid, 1825
G. tenella (Linnaeus, 1760)

Genus *Lochmaea* Weise, 1883
L. caprea (Linnaeus, 1758)
L. crataegi (Forster, 1771)
L. limbata Pic, 1898
L. machulkai Roubal, 1926

Genus *Luperus* Geoffroy, 1762
L. armeniacus Kiesenwetter, 1878
L. discolor Faldermann, 1837
L. flavipennis Lucas, 1849
L. f. flavipennis Lucas, 1849
L. flavipes (Linnaeus, 1767)
L. f. flavipes (Linnaeus, 1767)
L. floralis Faldermann, 1837
L. graecus Weise, 1886
L. longicornis (Fabricius, 1781)
L. perlucidus Iablokoff-Khnzorian, 1956
L. rectangulus Weise, 1898
L. viridipennis (Germar, 1824)
L. xanthopoda (Schränk, 1781)

Genus *Nymphius* Weise, 1900
N. ensifer (Guillebeau, 1891)
N. forcipifer (Weise, 1900)
N. lydius (Weise, 1886)
N. stylifer (Weise, 1899)
N. s. stylifer (Weise, 1899)
N. s. kadleci (Bezdek, 2008)

N. s. ogloblini (Bogatchev, 1947)

Genus *Phyllobrotica* Chevrolat, 1836

P. adusta (Creutzer, 1799)

P. a. adusta (Creutzer, 1799)

P. binotata Ogloblin, 1936

P. elegans Kraatz, 1866

P. frontalis Weise, 1886

P. malinka Bezdek, 2010

Genus *Radymna* Reitter, 1913

R. fischeri (Faldermann, 1837)

R. nigrifrons (Laboissière, 1914)

R. persica (Faldermann, 1837)

Genus *Sermylassa* Reitter, 1913

S. halensis (Linnaeus, 1767)

Genus *Xanthogaleruca* Laboissière, 1934

X. luteola (Müller, 1766)

X. subcoerulescens (Weise, 1884)

Subfamily ALTICINAE

Genus *Aeschrocnemis* Weise, 1888

Subgenus *Aeschrocnemis* Weise, 1888

A. byzantica Nadein, 2011

A. osmanica Nadein, 2011

A. serbica (Kutschera, 1860)

Subgenus *Hirticnemis* Nadein, 2011

A. anatolica (Heikertinger, 1922)

A. caria Nadein, 2011

A. curda Nadein, 2011

A. delagrangei Pic, 1903

A. iconiense Nadein, 2011

A. pubipennis (Reitter, 1892)

Subgenus *Nudicnemis* Nadein, 2011

A. antiocha Nadein, 2011

A. turcica Nadein & Gök, 2009

A. whiteheadi (Warchalowski, 1998)

Genus *Altica* Müller, 1764

A. ampelophaga Guérin-Méneville, 1858

A. a. ampelophaga Guér.-Méneville, 1858

A. ancyrensis (Weise, 1897)

A. bicarinata Kutschera, 1860

A. brevicollis Foudras, 1860

A. b. brevicollis Foudras, 1860

A. bulgharensis Král, 1969

A. carduorum Guérin-Méneville, 1858

A. cornivorax Král, 1969

A. deserticola (Weise, 1889)

A. globicollis Weise, 1889

A. graeca Král, 1966

A. hampei Allard, 1867

A. impressicollis Reiche, 1862

A. jarmilae Král, 1979

A. longicollis (Allard, 1860)

A. lythri Aubé, 1843

A. oleracea (Linnaeus, 1758)

A. o. oleracea (Linnaeus, 1758)

A. palustris (Weise, 1888)

A. pontica (Ogloblin, 1925)

A. quercetorum Foudras, 1860

A. q. quercetorum Foudras, 1860

A. talyshana Konstantinov, 1995

A. tamaricis Schrank, 1785

A. t. tamaricis Schrank, 1785

Genus *Anthobiodes* Weise, 1887

A. turcicus (Medvedev, 1975)

Genus *Apthtona* Chevrolat, 1836

A. abdominalis Duftschmid, 1825

A. aeneomicans Allard, 1875

A. alanyensis Fritzlär, 2004

A. atrocaerulea (Stephens, 1831)

A. atrovirens Förster, 1849

A. bergeali Fritzlär, 2001

A. bergaealoides Fritzlär, 2004

A. bonvouloiri Allard, 1861

A. carbonaria Rosenhauer, 1856

A. crassicornis Lopatin, 1990

A. cyparissiae Koch, 1803

A. euphorbiae Schrank, 1781

A. flava Guillebeau, 1895

A. flaviceps Allard, 1859

A. franzi Heikertinger, 1944

A. fuentei Reitter, 1901

A. gracilis Faldermann, 1837

A. konstantinovi Lopatin, 1998

A. kuntzei Roubal, 1931

A. lacertosa Rosenhauer, 1847

A. lutescens Gyllenhal, 1813

A. maculata Allard, 1876

A. nigriceps Redtenbacher, 1842

A. nigriscutis Foudras, 1860

A. nonstriata Goetze, 1777

A. ovata Foudras, 1860

A. pygmaea (Kutschera, 1861)

A. rhodiensis Heikertinger, 1944

A. rugipennis Ogloblin, 1926

A. semicyanea Allard, 1859

A. syriaca Heikertinger, 1944

A. valachica Heikertinger, 1944

A. venustula (Kutschera, 1861)

A. violacea (Koch, 1803)

A. warchalowskii Fritzlär, 2001

Genus *Batophila* Foudras, 1860

B. fallax Weise, 1888

B. olexai Král, 1964

Genus *Chaetocnema* Stephens, 1831

Subgenus *Chaetocnema* Stephens, 1831

C. aerea (Letzner, 1847)

C. arenacea (Allard, 1860)

C. arida Foudras, 1860

C. aridula (Gyllenhal, 1827)

C. confusa (Boheman, 1851)

C. hortensis (Geoffroy, 1785)

C. igori Konstantinov et al., 2011

C. imitatrix Gruev, 1990

C. mannerheimii (Gyllenhal, 1827)

C. montenegrina Heikertinger, 1912

C. obesa (Boieldieu, 1859)

C. procerula (Rosenhauer, 1856)

C. sahlbergii (Gyllenhal, 1827)

C. subcoerulea (Kutschera, 1864)

Subgenus *Tlanoma* Motschulsky, 1845

C. breviuscula (Faldermann, 1837)

C. chlorophana (Duftschmid, 1825)

- C. concinna* (Marsham, 1802)
C. conducta (Motschulsky, 1838)
C. coyei (Allard, 1864)
C. delarouzei (Brisout de Barneville, 1884)
C. major (Jacquelin du Val, 1852)
C. orientalis (Bauduer, 1874)
C. picipes Stephens, 1831
C. scheffleri (Kutschera, 1864)
C. semicoerulea (Koch, 1803)
C. s. semicoerulea (Koch, 1803)
C. tibialis (Illiger, 1807)
- Genus *Crepidodera* Chevrolat, 1836
C. aurata (Marsham, 1802)
C. aurea (Geoffroy, 1785)
C. fulvicornis (Fabricius, 1792)
C. lamina (Bedel, 1901)
C. nigricoxis Allard, 1878
C. nitudula (Linnaeus, 1758)
C. plutus (Latreille, 1804)
- Genus *Derocrepis* Weise, 1886
D. rufipes (Linnaeus, 1758)
- Genus *Dibolia* Latreille, 1829
 Subgenus *Dibolia* Latreille, 1829
D. cryptocephala (Koch, 1803)
D. cynoglossi (Koch, 1803)
D. depressiuscula Letzner, 1847
D. kralii Mohr, 1981
D. numidica Doguet, 1971
D. occultans (Koch, 1803)
D. phoenicia Allard, 1866
D. rufofemorata Reitter, 1896
D. rugulosa Redtenbacher, 1849
D. timida Illiger, 1807
 Subgenus *Eudibolia* lab.-Khnzorian, 1968
D. carpathica Weise, 1893
D. femoralis Redtenbacher, 1849
D. f. femoralis Redtenbacher, 1849
D. schillingi (Letzner, 1847)
D. tricolor Reitter, 1898
 Subgenus *Pseudodibolia* lab.-Khnzorian, 1968
D. zangezurica Iablokoff-Khnzorian, 1968
- Genus *Epitrix* Foudras, 1860
E. abeillei (Bauduer, 1874)
E. atropae Foudras, 1860
E. caucasica Heikertinger, 1950
E. dieckmanni Mohr, 1968
E. hirtipennis (Melsheimer, 1847)
E. intermedia Foudras, 1860
E. pubescens (Koch, 1803)
- Genus *Hermaeophaga* Foudras, 1860
 Subgenus *Hermaeophaga* Foudras, 1860
H. mercurialis (Fabricius, 1792)
 Subgenus *Orthocrepis* Weise, 1888
H. ruficollis (Lucas, 1849)
- Genus *Hippuriphila* Foudras, 1860
H. modeeri (Linnaeus, 1760)
- Genus *Longitarsus* Latreille, 1829
 Subgenus *Longitarsus* Latreille, 1829
L. absynthii Kutschera, 1862
L. aeneicollis (Faldermann, 1837)
L. albineus (Foudras, 1860)
L. alfieri (Pic, 1923)
L. a. alfieri (Pic, 1923)
L. a. furthi Gruev, 1982
L. allotrophus Furth, 1979
L. angelikae Fritzlär, 2001
L. aramaicus Leonardi, 1979
L. artvinus Gruev & Aslan, 1998
L. atricillus (Linnaeus, 1760)
L. audisioi Biondi, 1992
L. australis (Mulsant & Rey, 1874)
L. baeticus Leonardi, 1979
L. ballotae (Marsham, 1802)
L. barbarae Doguet & Bergeal, 2001
L. bertii Leonardi, 1973
L. brisouti Heikertinger, 1912
L. bytinskii Furth, 1979
L. callidus Warchałowski, 1967
L. celticus (Leonardi, 1975)
L. cerinthes Schrank, 1798
L. corpulentus Weise, 1887
L. curtus (Allard, 1860)
L. echii (Koch, 1803)
L. eminus Warchałowski, 1967
L. exsoletus (Linnaeus, 1758)
L. e. exsoletus (Linnaeus, 1758)
L. e. rufulus (Foudras, 1860)
L. fallax Weise, 1888
L. foudrasi Weise, 1893
L. ganglbaueri Heikertinger, 1912
L. georgianus Allard, 1866
L. gracilis Kutschera, 1864
L. helvolus Kutschera, 1863
L. hermonensis Furth, 1979
L. holsaticus (Linnaeus, 1758)
L. jacobaeae (Waterhouse, 1858)
L. jailensis Heikertinger, 1913
L. juncicola (Foudras, 1860)
L. karlheini Warchałowski, 1972
L. kopdagiensis Gruev & Aslan, 1998
L. kutscheraei (Rey1892)
L. latens Warchałowski, 1998
L. lateripunctatus Rosenhauer, 1856
L. l. personatus Weise, 1893
L. ledouxi Doguet, 1979
L. lewisii (Baly, 1874)
L. linnaei (Duftschmid, 1825)
L. longipennis Kutschera, 1863
L. luridus (Scopoli, 1763)
L. l. luridus (Scopoli, 1763)
L. lycopi (Foudras, 1860)
L. manfredi Fritzlär, 2004
L. medvedevi Shapiro, 1956
L. melanocephalus (DeGeer, 1775)
L. membranaceus (Foudras, 1860)
L. meridionalis Weise, 1888
L. minimus Kutschera, 1864
L. minusculus (Foudras, 1860)
L. nanus (Foudras, 1860)
L. nasturtii Fabricius, 1792
L. niger (Koch, 1803)
L. nigrofasciatus (Goeze, 1777)
L. n. nigrofasciatus (Goeze, 1777)
L. nimrodi Furth, 1979
L. noricus Leonardi, 1976

L. oblitteratoides Gruev, 1973
L. oblitteratus (Rosenhauer, 1847)
L. ochroleucus (Marshall, 1802)
L. o. ochroleucus (Marshall, 1802)
L. ozbeki Aslan & Warchalowski, 2005
L. parvulus (Paykull, 1799)
L. pellucidus (Foudras, 1860)
L. picicollis Weise, 1900
L. pratensis (Panzer, 1794)
L. pulmonariae Weise, 1893
L. quadriguttatus (Pontoppidan, 1763)
L. rectilineatus (Foudras, 1860)
L. reichei (Allard, 1860)
L. rubiginosus Foudras, 1860
L. salviae Gruev, 1975
L. scutellaris (Mulsant & Rey, 1874)
L. solaris Gruev, 1977
L. stragulatus (Foudras, 1860)
L. s. stragulatus (Foudras, 1860)
L. s. dichrous Iablokoff-Khnzorian, 1962
L. strigicollis Wollaston, 1864
L. substriatus Kutschera, 1864
L. succineus (Foudras, 1860)
L. suturellus (Duftschmid, 1825)
L. tabidus (Fabricius, 1775)
L. t. tabidus (Fabricius, 1775)
L. trepidus Warchalowski, 1973
L. violentus Weise, 1893
Subgenus *Testergus* Weise, 1893
L. anatolicus Weise, 1900
L. anchusae (Paykull, 1799)
L. aubozaorum Biondi, 1997
L. corynthius (Reiche & Saulcy, 1858)
L. c. corynthius (Reiche & Saulcy, 1858)
L. fuscoaeueus Redtenbacher, 1849
L. f. fuscoaeueus Redtenbacher, 1849
L. hittita Biondi, 1995
L. iconiensis Weise, 1900
L. lederi Weise, 1889
L. onosmae (Peyerimhoff, 1912)
L. pinguis Weise, 1888
L. truncatellus Weise, 1890
L. weisei Guillebeau, 1895

Genus *Mantura* Stephens, 1831
Subgenus *Mantura* Stephens, 1831
M. chrysanthemii (Koch, 1803)
M. c. chrysanthemii (Koch, 1803)
M. mathewsii (Curtis, 1833)
M. rustica (Linnaeus, 1767)
Subgenus *Stenomantura* Heikertinger, 1909
M. cylindrica Miller, 1881

Genus *Mniophila* Stephens, 1831
M. turcica Medvedev, 1970

Genus *Neocrepidodera* Heikertinger, 1911
N. crassicornis Faldermann, 1837
N. ferruginea (Scopoli, 1763)
N. impressa (Fabricius, 1801)
N. i. obtusangula (Daniel, 1904)
N. motschulskii Konstantinov, 1991
N. nigriflora (Gyllenhal, 1813)
N. transversa (Marshall, 1802)

Genus *Ochrosia* Foudras, 1860
O. ventralis (Illiger, 1807)

Genus *Orestia* Chevrolat, 1836
O. delagrangae Pic, 1909
O. loebli Biondi, 1992
O. olympica Frivaldszky, 1884
O. oselliana Leonardi, 1977

Genus *Phyllotreta* Chevrolat, 1836
P. acutecarinata Heikertinger, 1941
P. astrachanica Lopatin, 1977
P. atra (Fabricius, 1775)
P. balcanica Heikertinger, 1909
P. bolognai Biondi, 1992
P. bulgarica Gruev, 1977
P. caucasicola Heikertinger, 1941
P. corrugata Reiche & Saulcy, 1858
P. cruciferae (Goeze, 1777)
P. dacica Heikertinger, 1941
P. diademata Foudras, 1860
P. egridirensis Gruev & Kasap, 1985
P. erysimi Weise, 1900
P. e. erysimi Weise, 1900
P. fallaciosa Heikertinger, 1941
P. fornuseki Cizek, 2003
P. ganglbaueri Heikertinger, 1909
P. judaea Pic, 1901
P. lativittata Kutschera, 1860
P. lorestanica Warchalowski, 1973
P. maculicornis Pic, 1906
P. nemorum (Linnaeus, 1758)
P. nigripes (Fabricius, 1775)
P. n. nigripes (Fabricius, 1775)
P. nodicornis (Marshall, 1802)
P. ochripes (Curtis, 1837)
P. oltuensis Gruev & Aslan, 1998
P. ozbeki Gruev & Aslan, 1998
P. pallidipennis Reitter, 1891
P. pontoaegica Gruev, 1982
P. praticola Weise, 1887
P. procera (Redtenbacher, 1849)
P. punctulata (Marshall, 1802)
P. reitteri Heikertinger, 1911
P. sisymbrii Weise, 1888
P. striolata (Illiger, 1803)
P. tetrastigma (Comolli, 1837)
P. toelgi Heikertinger, 1941
P. undulata (Kutschera, 1860)
P. variipennis (Boieldieu, 1859)
P. v. variipennis (Boieldieu, 1859)
P. vilis Weise, 1888
P. vittula (Redtenbacher, 1849)
P. weiseana Jakobson, 1901

Genus *Podagrira* Chevrolat, 1836
P. fuscicornis (Linnaeus, 1767)
P. malvae (Illiger, 1807)
P. m. malvae (Illiger, 1807)
P. menetriesii (Faldermann, 1837)

Genus *Psylliodes* Latreille, 1825
Subgenus *Minicnema* Nadein, 2007
P. elliptica Allard, 1861
Subgenus *Psylliodes* Latreille, 1825
P. aerea Foudras, 1860

P. affinis (Paykull, 1799)
P. anatolica Gök & Çilbiroğlu, 2004
P. arista Iablokoff-Khznorian, 1962
P. attenuata (Koch, 1803)
P. brisouti Bedel, 1898
P. cerenae Gök, Doguet & Çilbiroğlu, 2003
P. chalconera (Illiger, 1807)
P. chrysocephala (Linnaeus, 1758)
P. c. chrysocephala (Linnaeus, 1758)
P. circumdata (Redtenbacher, 1842)
P. cuprea (Koch, 1803)
P. diversicolor Nadein, 2006
P. dogueti Warchałowski, 1993
P. drusei Furth, 1983
P. dulcamarae (Koch, 1803)
P. gibbosa Allard, 1860
P. hospes Wollaston, 1854
P. hyocymami (Linnaeus, 1758)
P. illyrica Leonardi & Gruev, 1993
P. inflata Reiche & Saulcy, 1858
P. instabilis Foudras, 1860
P. isatidis Heikertinger, 1913
P. kiesewetteri Kutschera, 1864
P. littoralis Biondi, 1997
P. longicollis Weise, 1900
P. luteola (Müller, 1776)
P. magnifica Gruev, 1975
P. marcida (Illiger, 1807)
P. milleri Kutschera, 1864
P. m. milleri Kutschera, 1864
P. napi (Fabricius, 1792)
P. ozisiki Leonardi & Arnold, 1995
P. pallidicolor Pic, 1903
P. pallidicornis Heikertinger, 1921
P. persica Allard, 1867
P. picina (Marsham, 1802)
P. pyritosa Kutschera, 1864
P. ridenda Nadein, 2008
P. saulcyi Allard, 1867
P. taurica Leonardi, 1971
P. testaceoconcolor Heikertinger, 1926
P. thlaspi Foudras, 1860
P. toelgi Heikertinger, 1914
P. tricolor Weise, 1888
P. valida Weise, 1889
P. vindobonnensis Heikertinger, 1914
P. wachsmanni Csiki, 1903
P. yalvacensis Gök, 2005
 Subgenus *Semicnema* Weise, 1888
P. reitteri Weise, 1888
P. r. reitteri Weise, 1888

Genus *Sphaeroderma* Stephens, 1831
S. rubidum (Graells, 1858)
S. testaceum (Fabricius, 1775)

Subfamily HISPINAE

Genus *Hispa* Linnaeus, 1767
H. atra Linnaeus, 1767

Genus *Dicladispa* Gestro, 1897
D. testacea Linnaeus, 1767

Subfamily CASSIDINAE

Genus *Cassida* Linnaeus, 1758
C. algerica Lucas, 1849
C. atrata Fabricius, 1787
C. azurea Fabricius, 1801
C. bella Faldermann, 1837
C. berolinensis Suffrian, 1844
C. brevis Weise, 1884
C. canaliculata Laicharting, 1781
C. denticollis Suffrian, 1844
C. elongata Weise, 1893
C. fausti Spaeth & Reitter, 1926
C. ferruginea Goeze, 1777
C. flaveola Thunberg, 1794
C. habitziae Motschulsky, 1838
C. hemisphaerica Herbst, 1799
C. inquinata Brullé, 1832
C. lineola Creutzer, 1759
C. linnavuorii Borowiec, 1986
C. margaritacea Schaller, 1783
C. murrea Linnaeus, 1767
C. m. murrea Linnaeus, 1767
C. nebulosa Linnaeus, 1758
C. nobilis Linnaeus, 1758
C. palaestina Reiche, 1858
C. pannonica Suffrian, 1844
C. parvula Boheman, 1854
C. persica Spaeth, 1926
C. prasina Illiger, 1798
C. pusilla Walth, 1835
C. reitteri Weise, 1892
C. rubiginosa Müller, 1776
C. r. rubiginosa Müller, 1776
C. rufovirens Suffrian, 1844
C. sanguinolenta Müller, 1776
C. sanguinosa Suffrian, 1844
C. saucia Weise, 1889
C. seladonia Gyllenhal, 1827
C. seraphina Ménétriés, 1836
C. stigmatica Suffrian, 1844
C. strejceki Sekerka, 2006
C. subreticulata Suffrian, 1844
C. vibex Linnaeus, 1767
C. viridis Linnaeus, 1758
C. vittata Villers, 1789

Genus *Hypocassida* Weise, 1893
H. cornea (Marseul, 1868)
H. meridionalis (Suffrian, 1844)
H. subferruginea (Schränk, 1776)

Genus *Ischyronota* Weise, 1891
I. desertorum (Gebler, 1833)
I. jordanensis Borowiec, 1986

Genus *Macromonycha* Spaeth, 1911
M. anatolica (Weise, 1900)
M. apicalis (Gebler, 1845)
M. kantnerorum Sekerka, 2008

Genus *Oxylepus* Desbrochers des Loges, 1884
O. deflexicollis (Boheman, 1862)

Genus *Pilemostoma* Desbroch. des Loges, 1891
P. fastuosum (Schaller, 1783)

Numeric statement of Turkish Chrysomeloidea fauna on the base of the cited references is presented as follows:

<u>FAMILY</u>	<u>SUBFAMILY</u>	<u>GENUS</u>	<u>SPECIES</u>	<u>SUBSPECIES</u>
MEGALOPODIDAE	MEGALOPODINAE	1	1	-
	ZEUGOPHORINAE	1	2	-
ORSODACNIDAE	ORSODACNINAE	1	3	-
BRUCHIDAE	BRUCHINAE	10	102	-
	AMBLYCERINAE	2	9	-
	PACHYMERINAE	1	3	-
	RHAEBINAE	1	1	-
CHRYSOMELIDAE	DONACIINAE	3	17	-
	CRIOCERINAE	4	13	-
	CLYTRINAE	8	58	18
	CRYPTOCEPHALINAE	4	92	15
	EUMOLPINAE	11	20	3
	CHRYSOMELINAE	15	50	52
	TIMARCHINAE	1	2	3
	GALERUCINAE	15	56	12
	ALTICINAE	22	311	29
	HISPINAE	2	2	-
	CASSIDINAE	6	49	2
Total	4	18	108	791
				134

Besides, the endemic species group taxa (92 species and 11 subspecies) for Turkish Chrysomeloidea fauna are presented as follows:

**A LIST OF ENDEMIC SPECIES GROUP TAXA
FOR TURKISH CHRYSOMELOIDEA FAUNA**

Superfamily CHRYSOMELOIDEA

**Family MEGALOPODIDAE
Subfamily MEGALOPODINAE**

Genus *Temnaspis* Lacordaire, 1845
T. nigropunctata (Pic, 1896)
Range: Only SC Anatolia: Adana and Hatay prov. (Pic, 1896; Reitter, 1908; Warchalowski, 2003; Özdikmen & Turgut, 2008; Ekiz et al., 2013).
Remarks: It is not distributed in Syria due to type locality "Akbez" is in Hatay province in S Turkey now). So, it is endemic to Turkey.

**Family BRUCHIDAE
Subfamily BRUCHINAE**

Genus *Bruchus* Linnaeus, 1767
B. anatolicus Anton, 1999
Range: Only SW Anatolia: Antalya province (Anton, 1999; ; Ekiz et al., 2013).

**Family CHRYSOMELIDAE
Subfamily CLYTRINAE**

Genus *Cheilotoma* Chevrolat, 1836
Subgenus *Cheilotoma* Chevrolat, 1836
C. voriseki Medvedev & Kantner, 2003
Range: Only SCE Anatolia: Adiyaman prov. (Medvedev & Kantner, 2003; Medvedev, 2004; Özdikmen et al., 2007; Ekiz et al., 2013).

Genus *Coptocephala* Chevrolat, 1836
C. similima Lodewyckx, 1995
Range: Only EW Anatolia: Erzinan prov. (Lodewyckx, 1995; Ekiz et al., 2013).

Genus *Labidostomis* Germar, 1822
Subgenus *Labidostomis* Germar, 1822
L. kaszabi (Medvedev, 1962)
Range: Only CS Anatolia: Konya prov. (Medvedev, 1962; Gruev & Tomov, 1979; Ekiz et al., 2013).

L. korbi Weise, 1902

Range: Only CS Anatolia: Konya prov. (Weise, 1902; Warchalowski, 1985; Kasap, 1987; Ekiz et al., 2013).

L. mesopotamica Heyden, 1886

Range: Widely distributed in Anatolia: Aksaray, Ankara, Antalya, Bilecik, Bursa, Denizli, Erzincan, Erzurum, Eskişehir, Hatay, Isparta, İçel, İzmir, Kahramanmaraş, Kastamonu, Kayseri, Kocaeli, Konya, Kırşehir, Malatya, Muğla, Muş, Nevşehir, Niğde, Sivas, Yozgat prov. (Weise, 1897, 1900a; Gruev & Tomov, 1979; Warchalowski, 1985b, 2003; Kasap, 1987; Aydın & Kismali, 1990; Aslan & Özbek, 1998; Gök, 2003; Özdikmen, 2011; Ekiz et al., 2013).

Remarks: It is not distributed in Syria in real due to type locality "Malatia" is Malatya province in Turkey and Syrian record of Claverau should be attributed Hatay province in S Turkey not Syria. So, it is endemic to Turkey

Genus *Smaragdina* Chevrolat, 1836*S. amasina* (Pic, 1897)

Range: Only NC Anatolia: Amasya prov. (Pic, 1897; Warchalowski, 2003; Ekiz et al., 2013).

S. biornata angorensis (Lopatin, 2002)

Range: Only CN Anatolia: Ankara prov. (Lopatin, 2002; Ekiz et al., 2013).

S. laeviceps Abeille de Perrin, 1895

Range: Only SC Anatolia: Hatay prov. (Abeille de Perrin, 1895; Ekiz et al., 2013).

Subfamily CRYPTOCEPHALINAEGenus *Cryptocephalus* Geoffroy, 1762Subgenus *Asionus* Lopatin, 1988*C. amasiensis* Weise, 1894

Range: NC to SC Anatolia: Amasya and Kahramanmaraş prov. (Weise, 1894; Aslan & Özbek, 1997; Sassi & Kismali, 2000; Özdikmen, 2011; Ekiz et al., 2013).

C. gloriosus Mulsant & Wachanru, 1853

Range: Only CSW Anatolia: Karaman prov. (Mulsant & Wachanru, 1853; Aslan & Özbek, 1997; Sassi & Kismali, 2000; Ekiz et al., 2013).

C. pseudoreitteri Tomov, 1976

Range: Only C Anatolia: Aksaray, Ankara and Kayseri prov. (Tomov, 1976; Sassi & Kismali, 2000; Warchalowski, 2003; Gök, Çağlar et al., 2008; Ekiz et al., 2013).

Subgenus *Burlinius* Lopatin, 1965*C. ayvazi* Gök & Sassi, 2002

Range: Only SW Anatolia: Isparta prov. (Gök & Sassi, 2002; Ekiz et al., 2013).

C. sultani Pic, 1920

Range: Only C and SCE Anatolia: Adiyaman, Eskişehir and Konya prov. (Aslan & Özbek, 1997; Sassi & Kismali, 2000; Schöller, 2002; Warchalowski, 2003; Ekiz et al., 2013).

C. tshorumae Tomov, 1984

Range: Only NC Anatolia: Çorum prov. (Tomov, 1984; Sassi & Kismali, 2000; Schöller, 2002; Warchalowski, 2003; Ekiz et al., 2013).

Subgenus *Cryptocephalus* Geoffroy, 1762*C. infraniger* Pic, 1915

Range: Only NC Anatolia: Tokat prov. (Pic, 1915; Löbl & Smetana, 2010; Ekiz et al., 2013).

C. messutati Kippenberg, 2011

Range: Only SCW Anatolia: İçel prov. (Kippenberg, 2011; Ekiz et al., 2013).

C. paphlagonius Sassi & Kismali, 2000

Range: Widely distributed in Anatolia: Amasya, Ankara, Artvin, Bilecik, Erzincan, Erzurum, Eskişehir, İçel, Kahramanmaraş, Kastamonu, Konya, Karabük, Kars, Kütahya, Nevşehir, Sivas, Van prov. (Sassi & Kismali, 2000; Turanlı et al., 2002; Warchalowski, 2003; Özdikmen, 2011; Ekiz et al., 2013).

C. paradisiacus Weise, 1900

Range: Only SE Anatolia: Mardin prov. (Weise, 1900b; Aslan & Özbek, 1997; Sassi & Kismali, 2000; Schöller, 2002; Ekiz et al., 2013).

C. testaceitarsis Pic, 1915

Range: Only NC Anatolia: Tokat prov. (Pic, 1915; Löbl & Smetana, 2010; Ekiz et al., 2013).

Subgenus *Heterichnus* Warchalowski, 1991*C. loebli* Sassi, 1997

Range: Only NW and NC Anatolia: Amasya, Bolu, Karabük and Zonguldak prov. (Sassi, 1997; Sassi & Kismali, 2000; Warchalowski, 2003; Gök et al., 2010; Özdikmen, 2011; Ekiz et al., 2013).

Subgenus *Lamellosus* Tomov, 1979*C. angorensis* Pic, 1908

Range: Only NC and CN Anatolia: Amasya, Ankara and Çorum prov. (Tomov, 1979; Aslan & Özbek, 1997; Sassi & Kismali, 2000; Warchalowski, 2003; Ekiz et al., 2013).

Subgenus *Protophysus* Chevrolat, 1836*C. wehnckei* Weise, 1881

Range: Only SW and SC Anatolia: Adana, Antalya, Isparta and İçel prov. (Weise, 1881; Aslan & Özbek, 1997; Sassi & Kismali, 2000; Warchalowski, 2003; Sen & Gök, 2009; Ekiz et al., 2010; Ekiz et al., 2013).

Genus *Pachybrachis* Chevrolat, 1836Subgenus *Pachybrachis* Chevrolat, 1836*P. adaliensis* (Weise, 1886)

Range: Only SW Anatolia: Antalya prov. (Weise, 1886a; Aslan & Özbek, 1997; Sassi & Kismali, 2000; Ekiz et al., 2013).

P. anatolicus Lopatin, 1985

Range: Only SE Anatolia: Van prov. (Lopatin, 1985; Sassi & Kismali, 2000; Warchalowski, 2003; Ekiz et al., 2013).

P. bodemeyeri (Weise, 1906)

Range: Only NW to NE Anatolia: Bilecik, Bursa and Erzurum prov. (Weise, 1906; Aslan, 1997; Aslan & Özbek, 1997; Warchalowski, 1998a, 2003; Sassi & Kismali, 2000; Ekiz et al., 2013).

P. humeralis Burlini, 1956

Range: Only European Turkey (Burlini, 1956; Löbl & Smetana, 2010; Ekiz et al., 2013).

P. pentheri (Ganglbauer, 1905)

Range: Only SW to CSE Anatolia: Isparta and Kayseri prov. (Sassi & Kismali, 2000; Warchalowski, 2003; Sen & Gök, 2011; Ekiz et al., 2013).

P. velarum Warchalowski, 1998

Range: Only CN and NW to NE Anatolia: Ankara, Bolu, Erzincan, Erzurum, Gümüşhane, Kars and Sivas prov. (Warchalowski, 1998a, 2003; Özdikmen, 2011; Ekiz et al., 2013).

P. warchalowskii Lopatin & Nesterova, 2010

Range: Only SE Anatolia: Mardin prov. (Lopatin & Nesterova, 2010; Ekiz et al., 2013).

Subfamily EUMOLPINAEGenus *Colaspinella* Weise, 1893*C. grandis* (Frivaldszky, 1880)

Range: Only NW to SW and CS Anatolia: Adana, Antalya, Bursa, İstanbul and Konya prov. (Aslan et al., 1996; Warchalowski, 2003; Gruev, 2005; Medvedev, 2005; Özdikmen, 2011; Ekiz et al., 2013).

Genus *Crysochus* Chevrolat, 1836*C. asclepiadeus asiaeminoris* DeMonte, 1848

Range: Only SW Anatolia: Denizli prov. (DeMonte, 1948; Aslan et al., 1996; Ekiz et al., 2013).

Genus *Macrocoma* Chapuis, 1874*M. brunnipes obscuricolor* (Pic, 1905)

Range: Only SC Anatolia: Adana prov. (Warchalowski, 2001, 2003; Borowiec, 2005; Özdikmen, 2011; Ekiz et al., 2013).

M. doboszi Borowiec, 2005

Range: Probably widely distributed in Anatolia (European Turkey to SE Anatolia): Kırklareli and Mardin prov. (Borowiec, 2005; Ekiz et al., 2013).

M. fortidens (Berti & Rapilly, 1973)

Range: Only SC and SE Anatolia: Diyarbakır, Hatay and Van prov. (Berti & Rapilly, 1973; Aslan et al., 1996; Moseyko & Sprecher-Uebersax, 2010; Ekiz et al., 2013).

M. korbi (Pic, 1901)

Range: Only CS, CSE and SCW Anatolia: İçel, Konya and Niğde prov. (Pic, 1901; Weise, 1902; Aslan et al., 1996; Warchalowski, 2003; Borowiec, 2005; Özdikmen, 2011; Ekiz et al., 2013).

Subfamily CHRYSOMELINAEGenus *Chrysolina* Motschulsky, 1860Subgenus *Chalcoidea* Motschulsky, 1860*C. sellata* Weise, 1894

Range: Only NC to SC Anatolia: Adana, Amasya, İçel, Konya, Kayseri, Sivas and Tokat prov. (Weise, 1894; Demaison, 1896; Kasap, 1988; Medvedev & Okhrimenko, 1992; Bienkowski, 2001; Aslan, Gruev et al., 2003; Warchalowski, 2003; Ekiz et al., 2013).

Subgenus *Colaphodes* Motschulsky, 1860*C. haemoptera byzantia* Jolivet, 1951

Range: Only European Turkey: İstanbul and Kırklareli prov. (Tomov & Gruev, 1975; Bienkowski, 2001; Aslan, Gruev et al., 2003; Warchalowski, 2003; Gruev, 2004, 2005a; Ekiz et al., 2013).

Subgenus *Colaphoptera* Motschulsky, 1860*C. abchasica* Weise, 1892

Range: Anatolia (Kippenberg, 2010b; Ekiz et al., 2013).

C. planicollis (Breit, 1919)

Range: Only NE Anatolia: Bayburt and Trabzon prov. (Medvedev & Okhrimenko, 1992; Lopatin, 2000; Bienkowski, 2001; Aslan, Gruev et al., 2003; Warchalowski, 2003; Ekiz et al., 2013).

Subgenus *Hypericia* Bedel, 1892*C. cuprina staneki* Bechyně, 1949

Range: Only NE Anatolia: Erzurum prov. (Aslan & Özbek, 1999; Bienkowski, 2001; Aslan, Gruev et al., 2003; Warchalowski, 2003; Ekiz et al., 2013).

Subgenus *Lopatinica* Kippenberg, 2012*C. adzharica heinzi* Kippenberg, 2012

Range: Only NE Anatolia: Artvin prov. (Lopatin, 2000; Aslan, Gruev et al., 2003; Kippenberg, 2012; Ekiz et al., 2013).

C. adzharica excavata Kippenberg, 2012

Range: Only NE Anatolia: Artvin prov. (Lopatin, 2000; Aslan, Gruev et al., 2003; Kippenberg, 2012; Ekiz et al., 2013).

C. boluensis Kippenberg, 2012

Range: Only NW Anatolia: Bolu prov. (Kippenberg, 2012; Ekiz et al., 2013).

C. daccordiana Kippenberg, 2012

Range: Only NE Anatolia: Trabzon prov. (Kippenberg, 2012; Ekiz et al., 2013).

C. kataevi Lopatin, 2000

Range: Only NE Anatolia: Artvin, Rize and Trabzon prov. (Lopatin, 2000; Aslan, Gruev et al., 2003; Kippenberg, 2012; Ekiz et al., 2013).

Subgenus *Ovosoma* Motschulsky, 1860

C. orientalis orientalis (Olivier, 1807)

Range: Widely distributed in Anatolia: Afyonkarahisar, Amasya, Ankara, Bilecik, Bolu, Bursa, Elazığ, Erzurum, Eskişehir, İstanbul, Kastamonu, Kayseri, Konya, Karabük, Kırşehir, Kütahya, Nevşehir, Niğde, Ordu, Samsun, Sinop, Sivas, Tokat, Van, Yozgat and Zonguldak prov. (Sahlberg, 1913; Medvedev, 1970; Dahlgren, 1984; Kasap, 1988; Campobasso et al., 1999; Bienkowski, 2001; Aslan, Gruev et al., 2003; Warchalowski, 2003; Gruev, 2005; Atay & Çam, 2006; Özdikmen & Aslan, 2009; Özdikmen, 2011; Ekiz et al., 2013).

C. wittmeri Medvedev, 1975

Range: Only NE Anatolia: Gümüşhane and Trabzon prov. (Medvedev, 1975; Gruev, 1976; Bienkowski, 2001; Aslan, Gruev et al., 2003; Warchalowski, 2003; Ekiz et al., 2013).

Subgenus *Synerga* Weise, 1900

C. herbacea alacris Bechyně, 1950

Range: Only SW and SC Anatolia: Antalya, Isparta, İçel, Kahramanmaraş, Karaman and Osmaniye prov. (Medvedev, 1970; Tomov & Gruev, 1975; Gruev & Tomov, 1979; Kasap, 1988; Aslan & Özbek, 1999; Bienkowski, 2001; Aslan, Gruev et al., 2003; Gök & Çilbiroğlu, 2003; Warchalowski, 2003; Gök & Gürbüz, 2004; Gruev, 2004, 2005a; Atay & Çam, 2006; Aslan et al., 2009; Kippenberg, 2010b; Özdikmen, 2011; Ekiz et al., 2013).

Genus *Colaphellus* Weise, 1916

C. sophiae amasiae Machatschke, 1954

Range: Only NC Anatolia: Amasya prov. (Kippenberg, 2010b; Ekiz et al., 2013).

Genus *Cyrtanastes* Fairmaire, 1874

Subgenus *Cyrtanastes* Fairmaire, 1874

C. grandis Lopatin, 1994

Range: Only SCW Anatolia: İçel prov. (Lopatin & Konstantinov, 1994; Aslan, Gruev et al., 2003; Ekiz et al., 2013).

Subfamily GALERUCINAE

Genus *Calomicrus* Dillwyn, 1829

C. angorensis (Pic, 1912)

Range: Only NC to NE and E Anatolia: Ankara, Çorum, Erzurum and Muş prov. (Pic, 1912; Tomov & Gruev, 1975; Tomov, 1984; Aslan, 1998; Aslan et al., 2000; Warchalowski, 2003; Ekiz et al., 2013).

C. malkini Warchalowski, 1991

Range: Only SW Anatolia: Isparta prov. (Warchalowski, 2003; Sen et al., 2008; Sen & Gök, 2009; Ekiz et al., 2013).

C. turcicus Medvedev, 1975

Range: Only NE Anatolia: Ağrı, Erzurum and Kars prov. (Medvedev, 1975; Aslan et al., 2000; Warchalowski, 2003; Ekiz et al., 2013).

Genus *Galeruca* Geoffroy, 1762

Subgenus *Galeruca* Geoffroy, 1762

G. impressicollis Pic, 1934

Range: Anatolia (Pic, 1934; Beenen, 2010; Ekiz et al., 2013).

Genus *Luperus* Geoffroy, 1762

L. rectangulus Weise, 1898

Range: Only NC to NE Anatolia and SC to SCE Anatolia: Adıyaman, Amasya, Ankara, Erzincan, Erzurum, Gümüşhane, Hatay and Kayseri prov. (Weise, 1898; Medvedev, 1970; Gruev & Tomov, 1979; Aslan, 1997; Aslan et al., 2000; Ekiz et al., 2013).

Genus *Nymphius* Weise, 1900

N. forcipifer (Weise, 1900)

Range: Only C and SW Anatolia: Afyonkarahisar, Ankara, Eskişehir, Isparta and Konya prov. (Weise, 1900a; Warchalowski, 2003; Gök & Duran, 2004; Gök & Çilbiroğlu, 2005; Bezdek, 2008; Sen & Gök, 2009; Ekiz et al., 2013).

N. stylifer kadleci (Bezdek, 2008)

Range: Only E Anatolia: Muş prov. (Bezdek, 2008; Ekiz et al., 2013).

Genus *Xanthogaleruca* Laboissiere, 1934

X. subcoerulescens (Weise, 1884)

Range: Only CS, SW and SC Anatolia: Adana, Amasya, Antalya, İçel and Konya prov. (Weise, 1884; Silfverberg, 1974; Aslan et al., 2000, 2009; Beenen, 2003; Warchalowski, 2003; Gök et al., 2007; Özdikmen, 2011; Ekiz et al., 2013).

Subfamily ALTICINAE

Genus *Aeschrocnemis* Weise, 1888

Subgenus *Aeschrocnemis* Weise, 1888

A. byzantica Nadein, 2011

Range: Only NW Anatolia: İstanbul prov. (Nadein, 2011; Ekiz et al., 2013).

A. osmanica Nadein, 2011

Range: Only NE Anatolia: Trabzon prov. (Nadein, 2011; Ekiz et al., 2013).

Subgenus *Hirticnemis* Nadein, 2011

A. anatolica (Heikertinger, 1922)

Range: Only C, SW and SC Anatolia: Adana, Ankara, Antalya, Isparta, Konya and Muğla prov. (Heikertinger, 1922; Gruev, 1995, 2002; Çilbiroğlu, 2003; Gruev & Döberl, 2005; Aslan & Gök, 2006; Aslan, 2007; Aslan & Ayvaz, 2009; Aslan et al., 2009; Nadein & Gök, 2009; Nadein, 2011; Özdikmen, 2011; Ekiz et al., 2013).

A. caria Nadein, 2011

Range: Only SW Anatolia: Muğla prov. (Nadein, 2011; Ekiz et al., 2013).

A. curda Nadein, 2011

Range: Only SCE Anatolia: Adıyaman prov. (Nadein, 2011; Ekiz et al., 2013).

A. iconiensis Nadein, 2011

Range: Only CS Anatolia: Konya prov. (Nadein, 2011; Ekiz et al., 2013).

Subgenus *Nudicnemis* Nadein, 2011*A. antiocha* Nadein, 2011

Range: Only SC Anatolia: Hatay prov. (Nadein, 2011; Ekiz et al., 2013).

A. turcica Nadein & Gök, 2009

Range: Only SW Anatolia: Denizli prov. (Nadein & Gök, 2009; Nadein, 2011; Ekiz et al., 2013).

A. whiteheadi (Warchalowski, 1998)

Range: Only CS and SW Anatolia: Antalya, Konya and Muğla prov. (Gruev, 2002; Warchalowski, 2003; Gruev & Döberl, 2005; Aslan, 2007, 2010; Aslan et al., 2009; Nadein & Gök, 2009; Nadein, 2011; Ekiz et al., 2013).

Genus *Altica* Müller, 1764*A. bulgharensis* Král, 1969

Range: Only SCW Anatolia: İçel prov. (Král, 1969; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Warchalowski, 2003; Ekiz et al., 2013).

A. pontica (Ogloblin, 1925)

Range: Only NE Anatolia: Trabzon prov. (Král, 1979; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Ekiz et al., 2013).

Genus *Aphthona* Chevrolat, 1836*A. alanyensis* Fritzlär, 2004

Range: Only SW and SCW Anatolia: Antalya and İçel prov. (Fritzlär, 2004; Gruev & Döberl, 2005; Döberl, 2010; Ekiz et al., 2013).

A. bergeali Fritzlär, 2001

Range: Only NW to SW and CS Anatolia: Antalya, İstanbul and Konya prov. (Fritzlär, 2001; Gruev, 2002; Gruev & Döberl, 2005; Döberl, 2010; Ekiz et al., 2013).

A. bergealoides Fritzlär, 2004

Range: Only SW Anatolia: Antalya prov. (Fritzlär, 2004; Gruev & Döberl, 2005; Döberl, 2010; Ekiz et al., 2013).

A. crassicornis Lopatin, 1990

Range: Only E Anatolia: Van prov. (Lopatin, 1990; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Döberl, 2010; Ekiz et al., 2013).

A. warchalowskii Fritzlär, 2001

Range: Only SW Anatolia: Antalya and Isparta prov. (Fritzlär, 2001; Gruev, 2002; Gruev & Döberl, 2005; Aslan, 2007, 2010; Aslan et al., 2009; Ekiz et al., 2013).

Genus *Longitarsus* Latreille, 1829Subgenus *Longitarsus* Latreille, 1829*L. angelikae* Fritzlär, 2001

Range: Only SW Anatolia: Antalya, Isparta prov. (Fritzlär, 2001; Gruev & Döberl, 2005; Aslan & Gök, 2006; Aslan et al., 2009; Aslan, 2007, 2010; Aslan & Ayvaz, 2009; Ekiz et al., 2013).

L. artvinus Gruev & Aslan, 1998

Range: Only NE Anatolia: Artvin prov. (Gruev & Aslan, 1998; Aslan et al., 1999; Gruev & Döberl, 2005; Ekiz et al., 2013).

L. audisioi Biondi, 1992

Range: Only NE Anatolia: Trabzon prov. (Biondi, 1992; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Warchalowski, 2003; Ekiz et al., 2013).

L. kopdagiensis Gruev & Aslan, 1998

Range: Only NE Anatolia: Bayburt and Erzurum prov. (Gruev & Aslan, 1998; Aslan et al., 1999; Gruev, 2002; Gruev & Döberl, 2005; Ekiz et al., 2013).

L. latens Warchalowski, 1998

Range: Only NE Anatolia: Trabzon prov. (Warchalowski, 1998b, 2003; Gruev, 2002; Gruev & Döberl, 2005; Ekiz et al., 2013).

L. manfredi Fritzlär, 2004

Range: Only SW Anatolia: Antalya prov. (Fritzlär, 2004; Gruev & Döberl, 2005; Döberl, 2010; Ekiz et al., 2013).

L. ozbeki Aslan & Warchalowski, 2005

Range: Only NE Anatolia: Erzurum prov. (Aslan & Warchalowski, 2005; Ekiz et al., 2013).

Subgenus *Testergus* Weise, 1893*L. aubozorum* Biondi, 1997

Range: Only CNW to CN Anatolia: Ankara and Eskişehir prov. (Biondi, 1997; Gruev, 2002; Warchalowski, 2003; Gruev & Döberl, 2005; Ekiz et al., 2013).

L. hittita Biondi, 1995

Range: Only C to NE Anatolia: Ağrı, Ankara, Erzincan, Kayseri, Konya and Yozgat prov. (Biondi, 1995; Gruev & Döberl, 1997, 2005; Aslan et al., 1999; Gruev, 2002; Ekiz et al., 2013).

L. iconiensis Weise, 1900

Range: Only NC, NCW and NS Anatolia: Ankara, Eskişehir and Konya prov. (Weise, 1900a; Gruev & Kasap, 1985; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Warchalowski, 2003; Ekiz et al., 2013).

Genus *Mniophila* Stephens, 1831*M. turcica* Medvedev, 1970

Range: Only NE Anatolia: Artvin and Rize prov. (Medvedev, 1970; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Nadein, 2009; Ekiz et al., 2013).

Genus *Orestia* Chevrolat, 1836*O. loebli* Biondi, 1992

Range: Only NW Anatolia: Zonguldak prov. (Biondi, 1992; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Warchalowski, 2003; Ekiz et al., 2013).

O. olympica Frivaldszky, 1884

Range: Only NW and NCW Anatolia: Bursa and Eskişehir prov. (Frivaldszky, 1884; Weise, 1886b; Biondi, 1992; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Warchalowski, 2003; Ekiz et al., 2013).

O. oselliana Leonardi, 1977

Range: Only NW Anatolia: Bolu and Kastamonu prov. (Leonardi, 1977; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Warchalowski, 2003; Ekiz et al., 2013).

Genus *Phyllotreta* Chevrolat, 1836*P. bolognai* Biondi, 1992

Range: Only SW to NE Anatolia: Antalya, Erzurum and Isparta prov. (Biondi, 1992; Gruev & Döberl, 1997; Aslan et al., 1999; Doguet & Bergeal, 2000; Gruev, 2002; Çilbiroğlu, 2003; Ekiz et al., 2013).

P. oltuensis Gruev & Aslan, 1998

Range: Only NE Anatolia: Erzurum prov. (Gruev & Aslan, 1998; Aslan et al., 1999; Gruev, 2002; Gruev & Döberl, 2005; Ekiz et al., 2013).

P. ozbeki Gruev & Aslan, 1998

Range: Only NE Anatolia: Bayburt prov. (Gruev & Aslan, 1998; Aslan et al., 1999; Gruev, 2002; Gruev & Döberl, 2005; Ekiz et al., 2013).

P. toelgi Heikertinger, 1941

Range: Only NCW to NCE Anatolia: Eskişehir and Ordu prov. (Heikertinger, 1941; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Warchalowski, 2003; Özdikmen, 2011; Ekiz et al., 2013).

Genus *Psylliodes* Latreille, 1825Subgenus *Psylliodes* Latreille, 1825*P. anatolica* Gök & Çilbiroğlu, 2004

Range: Only SW Anatolia: Antalya and Isparta prov. (Gök & Çilbiroğlu, 2004; Gruev & Döberl, 2005; Aslan, 2007, 2010; Aslan & Ayvaz, 2009; Aslan et al., 2009; Sen & Gök, 2009; Ekiz et al., 2013).

P. cerenae Gök, Doguet & Çilbiroğlu, 2003

Range: Only SW Anatolia: Antalya and Isparta prov. (Gök, Doguet et al., 2003; Gruev & Döberl, 2005; Aslan & Gök, 2006; Aslan et al., 2009; Ekiz et al., 2013).

P. diversicolor Nadein, 2006

Range: Only SW and CS Anatolia: Antalya, Isparta and Karaman prov. (Nadein, 2006; Gök & Aslan, 2007; Ekiz et al., 2013).

P. dogueti Warchalowski, 1993

Range: Only NE Anatolia: Gümüşhane prov. (Warchalowski, 1993, 2003; Gruev, 2002; Gruev & Döberl, 2005; Döberl, 2010; Ekiz et al., 2013).

P. ridenda Nadein, 2008

Range: Only SW to SE Anatolia: Adiyaman, Antalya, Hatay and Mardin prov. (Nadein, 2008; Döberl, 2010; Ekiz et al., 2013).

P. taurica Leonardi, 1971

Range: Only CS and SC Anatolia: Adana and Konya prov. (Leonardi, 1971; Gruev & Döberl, 1997; Aslan et al., 1999; Gruev, 2002; Warchalowski, 2003; Ekiz et al., 2013).

P. yalvacensis Gök, 2005

Range: Only SW Anatolia: Isparta prov. (Gök, 2005; Sen & Gök, 2009; Ekiz et al., 2013).

Subfamily CASSIDINAEGenus *Cassida* Linnaeus, 1758*C. strejceki* Sekerka, 2006

Range: Only E Anatolia: Muş prov. (Sekerka, 2006; Ekiz et al., 2013).

Genus *Macromonycha* Spaeth, 1911*M. anatolica* (Weise, 1900)

Range: Only SC, SCW and CSE Anatolia: Adana, İçel and Niğde prov. (Weise, 1900a; Kısmalı & Sassi, 1994; Borowiec, 2001; Warchalowski, 2003; Sekerka, 2008; Ekiz et al., 2013).

Numeric statement of the endemic species group taxa of Turkish Chrysomeloidea fauna on the base of the cited references is presented as follows:

<u>FAMILY</u>	<u>SUBFAMILY</u>	<u>GENUS</u>	<u>SPECIES</u>	<u>SUBSPECIES</u>
MEGALOPODIDAE	MEGALOPODINAE	1	1	-
	ZEUGOPHORINAE	-	-	-
ORSODACNIDAE	ORSODACNINAE	-	-	-
BRUCHIDAE	BRUCHINAE	1	1	-
	AMBLYCERINAE	-	-	-
	PACHYMERINAE	-	-	-
	RHAEBINAE	-	-	-
CHRYSOMELIDAE	DONACIINAE	-	-	-
	CRIOCERINAE	-	-	-
	CLYTRINAE	4	7	1
	CRYPTOCEPHALINAE	2	21	-
	EUMOLPINAE	3	4	2
	CHRYSOMELINAE	3	8	7
	TIMARCHINAE	-	-	-
	GALERUCINAE	5	7	1
	ALTICINAE	8	41	-
	HISPINAE	-	-	-
CASSIDINAE	2	2	-	
Total	4	18	29	92
			11	

DISCUSSION

Ekiz et al. (2013) mentioned that “This is the first attempt to present a synthesized and updated checklist of leaf beetles of Turkey. In all, 776 species (Megalopodidae three species; Orsodacnidae three species and Chrysomelidae 770 species) are listed. The species number of subfamilies of Chrysomelidae are as follows: Donaciinae, 17 species in 3 genera; Criocerinae, 13 species in 4 genera; Clytrinae, 72 species in 8 genera; Cryptocephalinae, 102 species in 4 genera; Eumolpinae, 22 species in 10 genera; Chrysomelinae, 89 species in 16 genera; Galerucinae, 67 species in 15 genera; Alticinae 336 species in 22 genera; Hispinae, 2 species in 2 genera; Cassidinae, 50 species in 6 genera. The leaf beetle fauna of Turkey presents a remarkable endemism with 81 species, which constitute about 10% of the total number. This is surely a result of hotspots included in the area”.

In fact that, these results are approximately as the same as the results of Özdikmen (2012) who gave 880 species under 108 genera with Bruchidae for Turkish Chrysomeloidea fauna. Namely, he stated 764 species without Bruchidae. Unfortunately, the work of Özdikmen (2012) is missing in the work of Ekiz et al. (2013) that also do not include a few known Turkish taxa.

For the present, as a result of the work, summarized numerical data for Turkish Chrysomeloidea in real status on the base of the cited references are as follows:

Updated Turkish Chrysomeloidea fauna including Bruchidae are represented 925 species group taxa [897 species + 28 subspecies (excluding the nominotypical subspecies)].

Total species group taxa for Turkish Chrysomeloidea including Bruchidae are 925 [791 species + 134 subspecies (93 nominotypical subspecies and 41 others) or in an other words, 884 species + 41 subspecies (excluding the nominotypical subspecies)]. Moreover, 41 subspecies (excluding the nominotypical subspecies) are belonging to 34 species. 13 species of them are represented only by the other subspecies in the fauna. And the others (21 species) are represented with both the other subspecies and the nominotypical subspecies in the fauna. In this case, total species group taxa for Turkish Chrysomeloidea including Bruchidae are 925 [897 species + 28 subspecies (excluding the nominotypical subspecies)].

Updated Turkish Chrysomeloidea fauna excluding Bruchidae are represented 810 species group taxa [782 species + 28 subspecies (excluding the nominotypical subspecies)].

Total species group taxa for Turkish Chrysomeloidea excluding Bruchidae are 810 [676 species + 134 subspecies (93 nominotypical subspecies and 41 others) or in an other words, 769 species + 41 subspecies (excluding the nominotypical subspecies)]. Moreover, as mentioned above, 41 subspecies (excluding the nominotypical subspecies) are belonging to 34 species. 13 species of them are represented only by the other subspecies in the fauna. And the others (21 species) are represented with both the other subspecies and the nominotypical subspecies in the fauna. In this case, total species group taxa for Turkish Chrysomeloidea excluding Bruchidae are 810 [782 species + 28 subspecies (excluding the nominotypical subspecies)].

For Turkish Chrysomeloidea fauna including Bruchidae, total endemic species group taxa are 103 (92 species + 11 subspecies). Hence, endemism ratio is 11.14% (103 / 925).

For Turkish Chrysomeloidea fauna excluding Bruchidae, total endemic species group taxa are 102 (91 species + 11 subspecies). Hence, endemism ratio is 11.03% (102 / 925).

Consequently, our study is based on the cited references. It shows that Turkey has species richness in terms of the fauna of Chrysomeloidea that includes a total of 925 species group taxa [including Bruchidae: 897 species and 28 subspecies (excluding the nominotypical subspecies) or excluding Bruchidae: 782 species + 28 subspecies (excluding the nominotypical subspecies)].

But the rich fauna of Turkish Chrysomeloidea includes a total of 103 endemic species group taxa [92 species and 11 subspecies (including nominotypical subspecies and others)]. So the fauna has a remarkable but also low endemism ratio (103 / 925 = 11.14%) with respect to the closely related superfamily Cerambycoidea (over 40%).

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