

**CHOROTYPE IDENTIFICATION
FOR TURKISH CHRYSOMELOIDEA (COLEOPTERA)
PART VIII – CHRYSOMELIDAE: ALTICINAE**

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ABSTRACT: The paper gives chorotype identifications for Turkish Alticinae (Coleoptera: Chrysomelidae). In association with this, some zoogeographical remarks are also given in the text.

KEY WORDS: Alticinae, Chrysomelidae, Fauna, Zoogeography, Turkey.

Works on Turkish leaf beetles began in late 19th century. Especially since the last century, they were increased as chiefly faunistic and taxonomic works. Recently, they continue with an increased speed.

Clearly, there is no any work on zoogeographical regionalisation of Turkish Chrysomeloidea related the whole territories of Turkey or regions of Turkey (see Part I for regions in Turkey) at the present.

As known, a series work was planned that is aim to expose zoogeographical regionalisations of Turkish Chrysomeloidea fauna. Özdikmen & Kaya (2014), Özdikmen & Mercan (2014), Özdikmen & Cihan (2014), Özdikmen & Özbek (2014), Özdikmen & Kavak (2014), Özdikmen & Topcu (2014) and Özdikmen (2014) are the previous works for this aim. The present study is attempted as the eighth step of this aim.

ARRANGEMENT OF INFORMATION

Information in the present text is given in the following order:

The subfamily, genus, species and subspecies names are given simply.

For each genus, species and subspecies are presented with the author name and date of description.

The data, **Range, Records in Turkey, Remarks** and **Chorotype** under the title for each taxon is given.

Range. In these parts, the whole distribution areas in world are provided for each taxon as in Löbl & Smetana (2010) (see the cited reference for the abbreviations).

Records in Turkey. In these parts, the whole distribution areas in Turkey are provided for each taxon as in Ekiz et al. (2013) (see the cited reference for the abbreviations).

Remarks. In these parts, regional and general distribution in Turkey are given chiefly.

Chorotype. The present zoogeographical characterization.

The present zoogeographical characterization is based on the chorotype classification of Anatolian fauna, recently proposed by Vigna Taglianti et al. (1999). In the text, as far as possible one chorotype description can be identified for each taxon. But this kind of description can not be possible for some taxa, so two or more chorotypes are used for them.

With this purpose, Löbl & Smetana (2010) for the range in the world, Ekiz et al. (2013) for the provincial distribution in Turkey and Özdikmen et al. (2014) for the fauna of Turkey are used chiefly.

According to Özdikmen et al. (2014), Turkish Alticinae comprises of 340 species group taxa (311 species + 29 subspecies) of 22 genera.

Subfamily ALTICINAE

Genus *Aeschrocnemis* Weise, 1888

Subgenus *Aeschrocnemis* Weise, 1888

A. byzantica Nadein, 2011

Range: A: TR **Records in Turkey:** TR-A: IST **Remarks:** The endemic species has been recorded only from Marmara Region in Turkey until now. **Chorotype:** Anatolian

A. osmanica Nadein, 2011

Range: A: TR **Records in Turkey:** TR-A: TRA **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Anatolian

A. serbica (Kutschera, 1860)

Range: E: AB BU CR GR RO TR UK YU **A:** TR **Records in Turkey:** TR-A: BRS, IST, TOK **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Marmara Region until now. **Chorotype:** Turano-Mediterranean (Turano-Balkan)

Subgenus *Hirticnemis* Nadein, 2011

A. anatolica (Heikertinger, 1922)

Range: A: TR **Records in Turkey:** TR-A: ADA, ANK, ANT, ISP, KON, MUG **Remarks:** The endemic species has been recorded only from 3 Turkish regions as Aegean Region, Central Anatolian Region and Mediterranean Region until now. **Chorotype:** Anatolian

A. caria Nadein, 2011

Range: A: TR **Records in Turkey:** TR-A: MUG **Remarks:** The endemic species has been recorded only from Aegean Region in Turkey until now. **Chorotype:** Anatolian

A. curda Nadein, 2011

Range: A: TR **Records in Turkey:** TR-A: ADI **Remarks:** The endemic species has been recorded only from South-Eastern Anatolian Region in Turkey until now. **Chorotype:** Anatolian

A. delagrangi Pic, 1903

Range: A: SY **Records in Turkey:** TR-A: HAT, TOK **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Syro-Anatolian)

A. iconiensis Nadein, 2011

Range: A: TR **Records in Turkey:** TR-A: KON **Remarks:** The endemic species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** Anatolian

A. pubipennis (Reitter, 1892)

Range: E: AB or AR (Arax valley) GG ST **Records in Turkey:** TR-A: IGD, KRS **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

Subgenus *Nudicnemis* Nadein, 2011

A. antiocha Nadein, 2011

Range: A: TR **Records in Turkey:** TR-A: HAT **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Anatolian

A. turcica Nadein & Gök, 2009

Range: A: TR **Records in Turkey:** TR-A: DEN **Remarks:** The endemic species has been

recorded only from Aegean Region in Turkey until now. **Chorotype:** Anatolian

***A. whiteheadi* (Warchalowski, 1998)**

Range: A: TR **Records in Turkey:** TR-A: ANT, KON, MUG **Remarks:** The endemic species has been recorded only from 3 Turkish regions as Aegean Region, Central Anatolian Region and Mediterranean Region in Turkey until now. **Chorotype:** Anatolian

Genus *Altica* Müller, 1764

***A. ampelophaga* Guérin-Ménéville, 1858**

***A. a. ampelophaga* Guér.-Ménéville, 1858**

Range: E: AZ CR FR GE GR IT PT SP SZ YU N: AG MO TU **Records in Turkey:** TR-A: ANK, IGD, ISP, IZM, KON **Remarks:** The subspecies has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Europeo-Mediterranean

***A. ancyrensis* (Weise, 1897)**

Range: E: AR A: IS TR **Records in Turkey:** TR-A: ANK, BUR, EZU, KON, NEV **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***A. bicarinata* Kutschera, 1860**

Range: E: GR MC MD N: EG A: CY IN IS JO LE SA SY TR **Records in Turkey:** TR-A: ADA, ANT, BIL, ESK, HAT, MER, NEV, SAM, TRA **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Eastern Anatolian Region and South-Eastern Anatolian Region until now. **Chorotype:** E-Mediterranean + SW-Asiatic

***A. brevicollis* Foudras, 1860**

***A. b. brevicollis* Foudras, 1860**

Range: E: AB AR AU BE BH BU BY CR CT CZ DE EN FI FR GB GE GR HU IT LA LT LU NL NR NT PL PT RU SK SL SV SZ TR UK YU A: ES FE IN KZ TR WS **Records in Turkey:** TR-A: ADI, EZU, IST, MER, RIZ, TOK **Remarks:** The subspecies is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***A. bulgharensis* Král, 1969**

Range: A: TR **Records in Turkey:** TR-A: MER **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Anatolian

***A. carduorum* Guérin-Ménéville, 1858**

Range: E: AB AL AR AU BH BU CR CT FI FR GB GE GG GR HU IT LA MC RO SK SL SP ST SV SZ UK YU A: ES FE KI KZ TD TR WS **NAR Records in Turkey:** TR-A: ANK, AKS, ART, CNK, COR, ESK, EZU, KAY, KIR, KON, KSH, NEV, ORD, SIV, YOZ **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Eastern Anatolian Region until now. **Chorotype:** Sibero-European + Nearctic

***A. cornivorax* Král, 1969**

Range: E: AU BU CZ HU PL SK SZ TR UK **Records in Turkey:** TR-A: IST **Remarks:** The species has been recorded only from Marmara Region in Turkey until now. **Chorotype:** C and E-European

***A. deserticola* (Weise, 1889)**

Range: E: AB AR ST A: AF IN IQ IS JO KI KZ MG NMO SY TM TR WS XIN **Records in Turkey:** TR-A: AFY, AGR, AKS, AMA, ANK, ART, BAT, CNK, DIY, DUZ, EZU, IGD, ISP,

KRS, MAL, MUS, NIG, SAK, SII, TOK, VAN **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from Marmara Region until now. **Chorotype:** Asiatic + SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian + Irano-Palaestianian)

***A. globicollis* Weise, 1889**

Range: E: AR ST A: IN TR **Records in Turkey:** TR-A: EZU, IST, MER **Remarks:** The species has been recorded only from 3 Turkish regions as Eastern Anatolian Region, Marmara Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian)

***A. graeca* Král, 1966**

Range: E: GR A: IN TR **Records in Turkey:** TR **Remarks:** Provincial distribution of the species is unknown. **Chorotype:** Turano-Mediterranean (Turano-Balkan)

***A. hampei* Allard, 1867**

Range: E: AR ST UK A: TR **Records in Turkey:** TR-A: AMA, ANK, EZU **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Eastern Anatolian Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***A. impressicollis* Reiche, 1862**

Range: E: AB AL AU BH BU CR CZ FR GE GR HU IT LA MC PL RO SK ST SZ TR UK YU A: IN IS SY TR **Records in Turkey:** TR-A: ANT, ART, BIL, EZU, IST, KAY, KOC, SAM, SAK **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** C and E-European

***A. jarmilae* Král, 1979**

Range: E: BU GG GR A: IS TR **Records in Turkey:** TR-A: ANK, EZU, IZM, MER **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

***A. longicollis* (Allard, 1860)**

Range: E: BE BY CZ DE EN FI FR GB GE LA LU NL NR NT PL SP SV SZ A: TR **Records in Turkey:** TR-A: AKS, ANK **Remarks:** The species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** European

***A. lythri* Aubé, 1843**

Range: E: AB AL AU BE BH BU BY CR CZ DE FI FR GB GE GR HU IT LU MC NL PL PT RO RU SK SL SP SV SZ UK YU A: TR **Records in Turkey:** TR-A: ANT, DEN, EZU, ISP, IZM, MER, TRA **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Central Anatolian Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** European

***A. oleracea* (Linnaeus, 1758)**

***A. o. oleracea* (Linnaeus, 1758)**

Range: E: AL AN AR AU BE BH BU BY CR CT CZ DE EN FI FR GB GE GG GR HU IT LA LS LT LU MC MD NL NR NT PL RO SK SL SP ST SV SZ UK YU A: ES FE GUX HEB HEI IN IS JA JIL KI KZ LIA MG SCH TR WS XIN YUN "Korea" "Manchuria" **AUR NAR Records in Turkey:** TR-A: ANK, ANT, BAY, BUR, ESK, EZU, ISP, KAY, KON, KRS, NEV, RIZ, SAM, SIV, ZON – TR-E: EDI **Remarks:** The subspecies is rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Asiatic-European + Australian + Nearctic

***A. palustris* (Weise, 1888)**

Range: E: AB AR AU BE BU BY CT CZ DE EN FI FR GB GE GG HU IT LA LS LT LU NL NR NT PL PT SK SP ST SV SZ UK N: AG TU A: AF IN KI KZ TD TR UZ **Records in Turkey:** TR-A: ANK, BAR, BAY, BOL, CNK, DUZ, EZU, IZM, KAH, KAY, KAS, KON, KRB, MER, OSM, SIN, YAL, ZON **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-Europeo-Mediterranean

***A. pontica* (Ogloblin, 1925)**

Range: A: TR **Records in Turkey:** TR-A: TRA **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Anatolian

A. quercetorum* Foudras, 1860**A. q. quercetorum* Foudras, 1860**

Range: E: AB AR AU BE BH BU BY CR FR GE GG GR HU IT LU NL RO RU SK SL SP SZ TR UK YU A: TR **Records in Turkey:** TR-A: ANT, ISP, IST, IZM, OSM **Remarks:** The subspecies has been recorded only from 3 Turkish regions as Aegean Region, Marmara Region and Mediterranean Region until now. **Chorotype:** C and E-European

***A. talyshana* Konstantinov, 1995**

Range: E: AB A: TR **Records in Turkey:** TR-A: BAY, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Eastern Anatolian Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

A. tamaricis* Schrank, 1785**A. t. tamaricis* Schrank, 1785**

Range: E: AB AL AR AU BE BH BU BY CR CZ DE EN FI FR GE GR HU IT LA LS LT MC NL PL PT RO RU SK SL SP SV SZ TR UK YU A: AF ES FE IN IQ KI KZ MG TR UZ WS **Records in Turkey:** TR-A: ADA, EZU, ISP, IST, ORD, RIZ, TRA – TR-E: EDI **Remarks:** The subspecies has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Central Anatolian Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

Genus *Anthobiodes* Weise, 1887***A. turcicus* (Medvedev, 1975)**

Range: E: GR A: TR **Records in Turkey:** TR-A: ANT **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** E-Mediterranean (Aegean)

Genus *Aphthona* Chevrolat, 1836***A. abdominalis* Duftschmid, 1825**

Range: E: AB AR AU BH BU CR CZ FR GE GG GR HU IT LA PL RO SK SL SP ST SZ UK YU A: AF ES HEB HEI IN JA JIA KZ MG SCH SHA SHX TR “Korea” **ORR Records in Turkey:** TR-A **Remarks:** Provincial distribution of the species is unknown. **Chorotype:** Asiatic-European + Oriental

***A. aeneomicans* Allard, 1875**

Range: E: FR IT SP A: CY TR **Records in Turkey:** TR-A: ANT, ISP, KON **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Mediterranean Region until now. **Chorotype:** S-European

***A. alanyensis* Fritzlar, 2004**

Range: A: TR **Records in Turkey:** TR-A: ANT, MER **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Anatolian

***A. atrocaerulea* (Stephens, 1831)**

Range: E: AU BE BH CR CZ DE FR GB GE HU IT LT LU NL NR PL RO SK SL SP SV SZ UK YU **N:** AG MO **A:** IN **Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Europeo-Mediterranean

***A. atrovirens* Förster, 1849**

Range: E: AU BE BU CR CZ FR GE GR HU IR IT LU NL PL RO SK SL ST SZ UK YU **A:** TR **Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** C and E-European

***A. bergeali* Fritzlar, 2001**

Range: A: TR **Records in Turkey:** TR-A: ANT, IST, KON **Remarks:** The endemic species has been recorded only from 3 Turkish regions as Central Anatolian Region, Marmara Region and Mediterranean Region until now. **Chorotype:** Anatolian

***A. bergealoides* Fritzlar, 2004**

Range: A: TR **Records in Turkey:** TR-A: ANT **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Anatolian

***A. bonvouloiri* Allard, 1861**

Range: E: BU GR IT TR **N:** EG **A:** IN IS LE SY TR **Records in Turkey:** TR-A: ADA, ANT, BIL, ESK, EZU, ISP, IST, KON, MER **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** E-Mediterranean

***A. carbonaria* Rosenhauer, 1856**

Range: E: FR GR IT MA PT SP **N:** AG MO TU **A:** CY **Records in Turkey:** TR-A: GAZ **Remarks:** The species has been recorded only from South-Eastern Anatolian Region in Turkey until now. **Chorotype:** Mediterranean

***A. crassicornis* Lopatin, 1990**

Range: A: TR **Records in Turkey:** TR-A: VAN **Remarks:** The endemic species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Anatolian

***A. cyparissiae* Koch, 1803**

Range: E: AL AN AU BE BH BU CT CZ FR GB GE HU IT LA LS LU MC MD NL PL RO SK SL SP SZ UK YU **A:** TR **NAR** **Records in Turkey:** TR-A: KON **Remarks:** The species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** European + Nearctic

***A. euphorbiae* Schrank, 1781**

Range: E: AB AL AU BE BH BU BY CR CT CZ DE EN FI FR GB GE GG GR HU IT LA LS LT LU MA MC MD NL NR NT PL PT RO SK SL SP ST SV SZ TR UK YU **N:** AG LB MO TU **A:** CY ES IS JO KZ LE SY TR WS **Records in Turkey:** TR-A: ADA, AMA, ANK, COR, DEN, EZU, IST, KAY, MER – TR-E: EDI **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Palearctic

***A. flava* Guillebeau, 1895**

Range: E: AB AL AU BH BU CR CZ GR HU IT MC PL RO SK SL TR UK YU **A:** TR **NAR** **Records in Turkey:** TR-A: EZU, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** C and E-European + Nearctic

***A. flaviceps* Allard, 1859**

Range: E: AB AR BH BU CR FR GG GR HU IT MA MC MD SK SL SP ST SZ TR UK YU **N:**

AG EG TU **A:** AF CY FE IN IQ IS JO KZ SY TD TM TR UZ **Records in Turkey:** TR-A: ADA, ANK, ANT, EZU, ISP, IST, KON, MER **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-Mediterranean

***A. franzi* Heikertinger, 1944**

Range: E: AR AU BU BY HU IT MD RO SK ST SV UK YU **A:** ES IS SY TR **Records in Turkey:** TR-A: AMA, ANK, ART, ERZ, EZU, KAY, KRS **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***A. fuentei* Reitter, 1901**

Range: E: GR IT SP **N:** AG EG MO TU **A:** IN IS TR **AFR** **Records in Turkey:** TR-A: ADA, ANK **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Mediterranean Region until now. **Chorotype:** Afrotropico-Mediterranean

***A. gracilis* Faldermann, 1837**

Range: E: AB AR GG MD RO ST UK **A:** AF ES IN IQ IS KZ MG TD TM TR UZ **Records in Turkey:** TR-A: BAY, EZU, KAY **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***A. konstantinovi* Lopatin, 1998**

Range: E: ST UK **A:** TR **Records in Turkey:** TR-A: KAY **Remarks:** The species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** E-European

***A. kuntzei* Roubal, 1931**

Range: E: BH CR GR UK **A:** CY IS JO LE SY TR **Records in Turkey:** TR-A: ANK, EZU, ISP, KON, KRS **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** E-Mediterranean

***A. lacertosa* Rosenhauer, 1847**

Range: E: AB AU BU CR CZ FR HU MD PL RO RU SK TR UK YU **NAR** **Records in Turkey:** TR-E: EDI **Remarks:** The species has been recorded only from European Turkey Part of Marmara Region in Turkey until now. **Chorotype:** C and E-European

***A. lutescens* Gyllenhal, 1813**

Range: E: AB AL AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GG GR HU IT LA LS LT LU MC MD NL NR PL PT RO RU SK SL SP SV SZ TR UK YU **A:** CY ES IN IS KZ MG TR YE **Records in Turkey:** TR-A: ANT, ESK, EZU, IST, KON **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European + Arabian

***A. maculata* Allard, 1876**

Range: E: AR GR ST **A:** CY IN IQ IS JO KZ LE SY TD TR **Records in Turkey:** TR-A: ADA, ANT, GAZ, IZM, KIL, SII **Remarks:** The species has been recorded only from 3 Turkish regions as Aegean Region, Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** Turano-Mediterranean (Turano-Balkan)

***A. nigriceps* Redtenbacher, 1842**

Range: E: AB AR AU BH BU CR FR GB GG GR IT MC PT RO SL SP ST TR UK YU **N:** AG MO TU **A:** TR **Records in Turkey:** TR-A: ANK, EZU, ISP – TR-E: EDI **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now.

Chorotype: Europeo-Mediterranean

***A. nigriscutis* Foudras, 1860**

Range: E: AB AR AU BH BU BY CR CZ GE GG GR HU IT MC MD PL RO SK ST UK YU **A:** ES IN KZ TR **NAR Records in Turkey:** TR-A: ANK, EZU, GUM, ISP, KRS, MER, NEV **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European + Nearctic

***A. nonstriata* Goeze, 1777**

Range: E: AB AL AR AU BE BH BU BY CR CT CZ DE EN FI FR GB GG GR HU IR IT LA LS LT LU MA MC MD NL NR NT PL PT RO SK SL SP ST SV SZ TR UK YU **N:** CI **A:** IN KZ TR **Records in Turkey:** TR-A: IST, KON, SAM – TR-E: KRK **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Marmara Region until now. **Chorotype:** W-Palearctic

***A. ovata* Foudras, 1860**

Range: E: AU BH BU CR CZ FR GE GR HU IT PL RO SK SL SP ST SZ TR UK YU **A:** TR **Records in Turkey:** TR-A: IST **Remarks:** The species has been recorded only from Marmara Region in Turkey until now. **Chorotype:** C and E-European

***A. pygmaea* (Kutschera, 1861)**

Range: E: AB AL AR AU BE BH BU CR CZ FI FR GE GG GR HU IT LS LT LU MA MC NL PL RO RU SK SL SZ TR UK YU **N:** EG LB **A:** CY IN IS JO LE SY TR YE **Records in Turkey:** TR-A: ADA, ANT, ERZ, EZU, ISP, IZM, MER, SAK – TR-E: EDI **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Central Anatolian Region and South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean

***A. rhodiensis* Heikertinger, 1944**

Range: E: GR **A:** TR **Records in Turkey:** TR-A: HAK **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** E-Mediterranean (Aegean)

***A. rugipennis* Ogloblin, 1926**

Range: E: AR CZ GG HU SK ST UK **A:** KZ UZ **Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** E-European

***A. semicyanea* Allard, 1859**

Range: E: AB AL AR AU BH BU CR CZ FR GG GR HU IT MD RO SK SL ST UK YU **A:** ES HP IN IS KI KZ MG SY TD TM TR UZ **Records in Turkey:** TR-A: ANK, BRS, COR, CNK, DEN, EZU, NEV, SAM, YOZ **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***A. syriaca* Heikertinger, 1944**

Range: A: IQ IS SY TR **Records in Turkey:** TR-A: EZU, IZM, KRS **Remarks:** The species has been recorded only from 2 Turkish regions as Aegean Region and Eastern Anatolian Region until now. **Chorotype:** E-Mediterranean (Palaestino-Taurian)

***A. valachica* Heikertinger, 1944**

Range: E: RO **Records in Turkey:** TR-A: ANT **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

***A. venustula* (Kutschera, 1861)**

Range: E: AL AU BE BH BU CR CZ EN FR GE GR HU IR IT LS LT LU MC MD NL PT RO RU SK SL SP SZ TR UK YU **A:** TR **Records in Turkey:** TR-A: ESK, EZU – TR-E: EDI **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Marmara Region until now. **Chorotype:** European

***A. violacea* (Koch, 1803)**

Range: E: AR AU BY CR CT CZ EN FR GE GG HU IT LA LU NL PL RO SK SL SP ST SV SZ UK **A:** ES TR **Records in Turkey:** TR-A: YAL **Remarks:** The species has been recorded only from Marmara Region in Turkey until now. **Chorotype:** Sibero-European

***A. warchalowskii* Fritzlär, 2001**

Range: A: TR **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Anatolian

Genus *Batophila* Foudras, 1860***B. fallax* Weise, 1888**

Range: E: AB GG HU MC PL RO RU TR UK **A:** IN TR **Records in Turkey:** TR-A: ART, BOL, ESK, EZU, GIR, IST, ORD, RIZ, SAK, SAM **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** Turano-Mediterranean (Turano-Balkan) or E-European

***B. olexai* Král, 1964**

Range: E: BU GG GR **A:** TR **Records in Turkey:** TR-A: GIR **Remarks:** The species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Turano-Balkan)

Genus *Chaetocnema* Stephens, 1831**Subgenus *Chaetocnema* Stephens, 1831*****C. aerosa* (Letzner, 1847)**

Range: E: AU BE BH BY CZ EN FI FR GB GE HU IT LA LU NL NR NT PL RO SK SP ST SV SZ YU **A:** IS TR **Records in Turkey:** TR-A: KRS **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** European

***C. arenacea* (Allard, 1860)**

Range: E: AB AL AU BU CR FR GR HU IT PT RO SK SP ST SZ TR UK YU **N:** AG MO **A:** IN TR **Records in Turkey:** TR-A: ADA, AKS, ANK, DEN, ESK, EZU, GUM, HAK, KON, MER, NEV, NIG, SIV, YOZ – TR-E: EDI **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean

***C. arida* Foudras, 1860**

Range: E: AU BE BH BU CR CZ FR GB GE GR HU IT LA LS LU MC NL PL RO RU SK SL SP SZ UK YU **N:** AG MO TU **A:** IN TR **Records in Turkey:** TR-A: EZU, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Europeo-Mediterranean

***C. aridula* (Gyllenhal, 1827)**

Range: E: AB AL AU BE BH BU BY CR CZ DE EN FI FR GE GR HU IT LA LS LT LU MA MC NL NR PL PT RO RU SK SL SP SV SZ TR UK YU **N:** AG **A:** ES KI KZ TR **ORR** **Records in Turkey:** TR-A: ANK, EZU, IST, MAN, SIV, YOZ – TR-E: EDI, KRK **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European + Oriental

***C. confusa* (Boheman, 1851)**

Range: E: AB BE BH CR DE FR GB GE GR HU IT LA LU NL PL RU SK SL SP SV SZ UK YU **A:** IN TR **Records in Turkey:** TR-A: ANK, BAY, EZU, IST, KAY, NIG, ZON **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** European

***C. hortensis* (Geoffroy, 1785)**

Range: E: AB AL AU AZ BE BH BU BY CR CZ DE EN FI FR GB GE GG GR HU IT LA LS LT LU MC MD NL NR PL PT RO RU SK SL SP SV SZ TR UK YU "Lapland" **N:** MO MR TU **A:** AE AF CY ES FE IN IQ IS JIA KZ MG SY TD TM TR UZ YE **Records in Turkey:** TR-A: ADA, AKS, ANK, BAY, BUR, EZU, ISP, IST, IZM, KAY, KON, MER, SIV – TR-E: EDI, IST **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Palearctic

***C. igori* Konstantinov et al., 2011**

Range: E: AB AR **A:** AF KZ TD TR UZ **Records in Turkey:** TR-A: AKS, BAY, EZU, KAY **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Eastern Anatolian Region until now. **Chorotype:** Centralasiatic + SW-Asiatic

***C. imitatrix* Gruev, 1990**

Range: E: BU **Records in Turkey:** TR-A: AKS **Remarks:** The species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

***C. mannerheimii* (Gyllenhal, 1827)**

Range: E: AL AU BE BU BY CR CZ EN FI FR GE GR HU IT LA LS LU NL PL RO RU SK SL SV SZ TR UK YU **A:** ES FE KI KZ MG TR **Records in Turkey:** TR-A: ANK, ESK – TR-E: EDI **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Marmara Region until now. **Chorotype:** Sibero-European

***C. montenegrina* Heikertinger, 1912**

Range: E: AL AR BH BU CR GR IT MC RO RU UK YU **A:** AF IN KI TD TM TR UZ **Records in Turkey:** TR-A: ADA, ANK, ANT, BAY, EZU, ISP, KON **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-European

***C. obesa* (Boieldieu, 1859)**

Range: E: AL AU BE BH BU BY CR CZ FR GE GR HU IT LA MC MD PL PT RO SK SL SP ST SZ TR UK YU **N:** AG MO TU **A:** ES IQ KZ MG TR XIZ **Records in Turkey:** TR-A: AKS, ANK, COR, ERZ, ESK, EZU, KON, NEV, NIG, SIV – TR-E: EDI, KRK **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***C. procerula* (Rosenhauer, 1856)**

Range: E: AL AU BU CR CZ FR GE GR HU IT MC PL SK SP ST SZ TR UK YU **N:** AG MO TU **A:** TR **Records in Turkey:** TR-A: AKS, ANK, BAL, CAN, EZU, ISP, IST, KAY, KON, KSH, SIV, YOZ TR-E: KRK **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean

***C. sahlbergii* (Gyllenhal, 1827)**

Range: E: AL AU BE BU BY CT CZ DE EN FI FR GB GE GR HU IR IT LA LS LT LU MC NL NR NT PL RO SK SL ST SV SZ UK YU **A:** ES FE MG TR **Records in Turkey:** TR-A: ANK,

EZU, ISP, IST, KAR, KON, NIG **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***C. subcoerulea* (Kutschera, 1864)**

Range: E: AL AU BE BU CR CZ DE EN FI FR GB GE GR HU IT LA LT LU MC NL PL RO RU SK SL SV SZ UK **Records in Turkey:** TR-A: IST **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** European

Subgenus *Tlanoma* Motschulsky, 1845

***C. breviscula* (Faldermann, 1837)**

Range: E: AB AR BU GR HU LA MD RO RU SK TR UK **A:** AF HEI HUB IN IQ JO KZ SY TD TM TR UZ "Korea" "North China" **Records in Turkey:** TR-A: ADA, AKS, ANK, ESK, EZU, IST, MER, SAK, SAM, SIV, TOK **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Asiatic-European

***C. chlorophana* (Duftschmid, 1825)**

Range: E: AB AL AU BE BU CR CZ FR GE GR HU IT LU MC PT RO RU SK SL SP TR UK YU **N:** AG MO TU **A:** IQ IS SY TR **Records in Turkey:** TR-A: ADA, EZU, GAZ, IST, KON, MER – TR-E: KRK, TEK **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and Black Sea Region until now. **Chorotype:** Europeo-Mediterranean

***C. concinna* (Marsham, 1802)**

Range: E: AB AL AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GG GR HU IT LA LS LT LU MC MD NL NR PL RO RU SK SL SP SV SZ TR UK YU **N:** AG MO **A:** ES FE GUI IS JA KZ MG TAI TM TR "Korea" **NAR Records in Turkey:** TR-A: AMA, ANK, ANT, BAY, ESK, EZU, ISP, KOC, NEV, SAM – TR-E: EDI **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Holarctic

***C. conducta* (Motschulsky, 1838)**

Range: E: AL AR AU BH BU CR CZ FR GE GR HU IT MC MD PT RO RU SK SL SP SZ TR UK YU **N:** AG EG MO TU **A:** IN IS KI KZ SY TD TM TR **AFR Records in Turkey:** TR-A: ADA, AKS, ANK, ESK, EZU, ISP, IZM – TR-E: EDI, KRK **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Afrotropica-Mediterranean + Centralasiatic-European

***C. coyei* (Allard, 1864)**

Range: E: AB AL AR BU CR GR RO ST TR YU **A:** CY IN IQ IS JO SY TR **Records in Turkey:** TR-A: ADA, ADI, AKS, ANK, ANT, ESK, EZU, GAZ, HAT, ISP, IST, IZM, KAY, KON, KSH, MER, NEV, NIG, SAM, SII, SIV, YOZ – TR-E: KRK **Remarks:** The species is widely distributed in Turkey. It has been recorded from all Turkish regions. But it has not been recorded only from the most Parts of Marmara Region, Black Sea Region and Eastern Anatolian Region, and Central-West Anatolia Part in Aegean Region until now. **Chorotype:** Turano-Mediterranean (Turano-Balkan)

***C. delarouzei* (Brisout de Barneville, 1884)**

Range: N: AG MO TU **A:** IS JO TR **Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Mediterranean or E-Mediterranean + N-Africa

***C. major* (Jacquelin du Val, 1852)**

Range: E: AB AL AU BU CT CZ FR GR HU MD RO RU SK SL SP TR YU **N:** AG **A:** CY IN IQ IS JA KZ SY TR **Records in Turkey:** TR-A: ADA, ANK, BUR, CAN, ESK, EZU, MER –

TR-E: EDI **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Palearctic

***C. orientalis* (Bauduer, 1874)**

Range: E: BU GG GR MC RO ST TR A: IN IQ IS JO SY TM TR **Records in Turkey:** TR-A: ADA, CAN, IST, KON, MER – TR-E: KRK **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Marmara Region and Mediterranean Region until now. **Chorotype:** Turano-Mediterranean (Turano-Balkan)

***C. picipes* Stephens, 1831**

Range: E: AB AR AU BE BU BY CZ DE EN FI FR GE GG HU IT LA LS LT LU NL NR PL RO RU SK SL SP SV SZ UK A: ES FE IN KI KZ MG “Korea” “North-East China” **Records in Turkey:** TR-A: ZON **Remarks:** The species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Sibero-European

***C. scheffleri* (Kutschera, 1864)**

Range: E: AB AU BU CR FR GE GR HU IT MD RO RU SL SP SZ UK YU N: AG MO TU A: IN IQ IS TR **Records in Turkey:** TR-A: ANK, ANT, BUR, EZU, ISP, IST, IZM, KON **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean

***C. semicoerulea* (Koch, 1803)**

***C. s. semicoerulea* (Koch, 1803)**

Range: E: AB AL AU BH BU BY CR CZ EN FR GE GR HU IT LA LT LU MC PL RO RU SK SL SP SZ UK YU A: ES KI TR **Records in Turkey:** TR-A: AMA, CAN, CNK, DIY, SAK **Remarks:** The subspecies has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Sibero-European

***C. tibialis* (Illiger, 1807)**

Range: E: AL AN AU BH BU CR CZ FI FR GE GR HU IT LA MA MC PL PT RO RU SK SL SP SZ TR UK YU N: AG EG LB MO TU A: AF CY ES IN IQ IS JO KI KZ MG SY TD TM TR UZ “Korea” **Records in Turkey:** TR-A: AKS, AMA, ANK, ANT, BAL, BUR, CAN, DUZ, ERZ, ESK, EZU, ISP, IZM, KOC, KON, KRS, MAL, SAM **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

Genus *Crepidodera* Chevrolat, 1836

***C. aurata* (Marshall, 1802)**

Range: E: AB AL AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GG GR HU IR IT LA LS LT LU MC NL NR PL RO RU SK SL SP SV SZ TR UK YU N: MO A: ES FE IN JIA KZ MG TR “Korea” **Records in Turkey:** TR-A: AKS, AMA, ANK, ANT, BAL, BIL, BOL, CNK, COR, DUZ, ESK, ERZ, EZU, GUM, ISP, KAY, KOC, KON, KSH, NEV, SIV, TRA, YOZ, ZON – TR-E: EDI **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***C. aurea* (Geoffroy, 1785)**

Range: E: AR AU BE BH BU BY CR CZ DE EN FR GB GE GG GR HU IT LS LT LU MC NL PL RO RU SK SL SP SZ TR UK YU A: ES KI KZ TR **Records in Turkey:** TR-A: ANK, BAR, ESK, EZU, HAT, IST, ORD **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***C. fulvicornis* (Fabricius, 1792)**

Range: E: AB AU BE BH BU BY CZ DE EN FI FR GB GE GG GR HU IT LA LS LT LU NL NR PL PT RO RU SK SL SP SV SZ UK YU **A:** ES FE IN KZ LE MG TR WS XIN **Records in Turkey:** TR-A: EZU, SAM **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***C. lamina* (Bedel, 1901)**

Range: E: AU BH BU CR CZ FR GE GG HU IT NR PL RO RU SK SL SP SZ TR UK YU **A:** TR **Records in Turkey:** TR-A: ANK, BAY, ISP – TR-E **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Marmara Region until now. **Chorotype:** C and E-European

***C. nigricoxis* Allard, 1878**

Range: E: AL AU BU GR MC RO SK ST YU **A:** NC TR **Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Asiatic-European or C and E-European

***C. nitudula* (Linnaeus, 1758)**

Range: E: AU BE BH BU BY CZ DE EN FI FR GB GE HU IT LA LT LU MC NL NR PL RO RU SK SL SV SZ UK YU **A:** ES **Records in Turkey:** TR-A: GUM **Remarks:** The species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Sibero-European

***C. plutus* (Latreille, 1804)**

Range: E: AL AU BE BH BU BY CR CZ DE FR GB GE GG GR HU IT LA LU MC NL PL PT RO RU SK SL SP SV SZ UK YU **A:** ES FE HEI IN KI KZ MG TD TR WS XIZ “Korea” **AFR Records in Turkey:** TR-A: ANK, ANT, ART, SAM **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Mediterranean Region until now. **Chorotype:** Sibero-European + Afrotropical

Genus *Derocrepis* Weise, 1886***D. rufipes* (Linnaeus, 1758)**

Range: E: AB AU BE BH BU BY CR CZ DE EN FR GB GE HU IR IT LA LS LU NL PL RO RU SK SL SP SV SZ UK YU **A:** ES TR **Records in Turkey:** TR-A: ESK, KRB **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Central Anatolian Region until now. **Chorotype:** Sibero-European

Genus *Dibolia* Latreille, 1829**Subgenus *Dibolia* Latreille, 1829*****D. cryptocephala* (Koch, 1803)**

Range: E: AB AR AU BE BH BU BY CR CZ EN FR GE GR HU IT LT LU MC PL RO SK SL SP ST SZ UK YU **A:** KZ TR **Records in Turkey:** TR-A: EZU, KRS **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** C and E-European

***D. cynoglossi* (Koch, 1803)**

Range: E: AL AR AU BE BH BU CZ DE EN FR GB GE HU IT LA NL PL RO RU SK SL SP SZ UK **A:** TR **Records in Turkey:** TR-A: ADI, EZU, ISP **Remarks:** The species has been recorded only from 3 Turkish regions as Eastern Anatolian Region, Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** European

***D. depressiuscula* Letzner, 1847**

Range: E: AU BE BU BY CR CZ DE EN FI FR GE GR HU IT LA LT LU MC MD PL RO RU SK SL SZ UK YU **A:** ES IS JO KZ MG TR **Records in Turkey:** TR-A: ANK, ART, EZU, KON, NEV **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Eastern Anatolian Region until now.

Chorotype: Sibero-European

***D. kralii* Mohr, 1981**

Range: A: IN TR **Records in Turkey:** TR-A: BAY, EZU, ISP **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Mediterranean Region and Eastern Anatolian Region until now. **Chorotype:** SW-Asiatic (Irano-Anatolian)

***D. numidica* Doguet, 1971**

Range: N: AG TU A: TR **Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Mediterranean or N-Africa + Anatolian

***D. occultans* (Koch, 1803)**

Range: E: AL AU BE BH BU BY CR CZ DE EN FR GE GR HU IT LA LU MA MC NL PL PT RO RU SK SL SP SV SZ UK YU N: AG CI MO A: IN TR **Records in Turkey:** TR-A: ADA, ANK, ART, BUR, EZU, ISP, SIV, TRA **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean

***D. phoenicia* Allard, 1866**

Range: E: GG HU "Balkan Peninsula" A: IS JO LE TR **Records in Turkey:** TR-A: ANT, BAL **Remarks:** The species has been recorded only from 2 Turkish regions as Marmara Region and Mediterranean Region until now. **Chorotype:** E-Mediterranean (NE-Mediterranean + Palaestino-Taurian) or Turano-Mediterranean (Turano-Balkan)

***D. rufofemorata* Reitter, 1896**

Range: A: CY IS JO SY TR **Records in Turkey:** TR-A: ADA, HAT, KON **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Mediterranean Region until now. **Chorotype:** E-Mediterranean (Palaestino-Cyprioto-Taurian)

***D. rugulosa* Redtenbacher, 1849**

Range: E: AB AL AN AR AU BE BH BU CR CZ FR GE GG GR HU IT LU MC PL RO RU SK SL SP SZ UK YU A: TR **Records in Turkey:** TR-A: ANT, BUR, EZU, ISP, MER **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** C and E-European

***D. timida* Illiger, 1807**

Range: E: AL AU BH BU CR CZ FR GE GR HU IT MC PT RO RU SK SL SP SZ UK YU N: AG MO TU A: TR **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Europeo-Mediterranean

Subgenus *Eudibolia* Iab.-Khnzorian, 1968

***D. carpathica* Weise, 1893**

Range: E: AB AR BU CR GG GR HU RO RU SK UK YU A: IS KZ TR **Records in Turkey:** TR-A: ADA, ANK, ANT, BAY, EZU, ISP, KON, NIG **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** E-European

***D. femoralis* Redtenbacher, 1849**

***D. f. femoralis* Redtenbacher, 1849**

Range: E: AL AU BH BU CR CZ FR GE GR HU IT LU MC PL RO RU SK SL SP SZ UK YU A: TR **Records in Turkey:** TR-A: ADI **Remarks:** The subspecies has been recorded only from South-Eastern Anatolian Region in Turkey until now. **Chorotype:** C and E-European

***D. schillingi* (Letzner, 1847)**

Range: E: AR AU BE BU BY CR CZ GE GR HU IT MC PL RO SK SL ST SZ UK **A:** KZ TR
Records in Turkey: TR-A: ADA, EZU, ISP, KON, MER **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** C and E-European

***D. tricolor* Reitter, 1898**

Range: E: AR **A:** TR **Records in Turkey:** TR-A: EZU, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

Subgenus *Pseudodibolia* Iab.-Khnzorian, 1968***D. zangezurica* Iablokoff-Khnzorian, 1968**

Range: E: AR **A:** IN TR **Records in Turkey:** TR-A: ANK, EZU, KAH, KAR, KON, MAL
Remarks: The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian)

Genus *Epitrix* Foudras, 1860***E. abeillei* (Bauduer, 1874)**

Range: E: AB **N:** EG **A:** AF IN IQ IS JO KZ LE MG SY TM TR UZ **Records in Turkey:** TR-A: ADA **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Centralasiatic-Mediterranean

***E. atropae* Foudras, 1860**

Range: E: AB AL AR AU BE BH BU CR CZ FR GB GE HU IT LU MC NL PL RO RU SK SL SP SZ UK YU **N:** AG **A:** TR **Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Europeo-Mediterranean

***E. caucasica* Heikertinger, 1950**

Range: E: AB GG RU ST **A:** IN KZ TM TR "India" **Records in Turkey:** TR-A: ERZ, EZU
Remarks: The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Turano-Anatolian)

***E. dieckmanni* Mohr, 1968**

Range: A: AE IN IS JO SA TM TR **Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** SW-Asiatic

***E. hirtipennis* (Melsheimer, 1847)**

Range: E: BU GR IT **A:** SY TR **NAR NTR** **Records in Turkey:** TR-A: IZM, MAR
Remarks: The species has been recorded only from 2 Turkish regions as Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Turano-Mediterranean (Turano-Apeninian) + Nearctic + Neotropical

***E. intermedia* Foudras, 1860**

Range: E: AB AL BU FR GR HU IT MC RO SK SL SP ST UK YU **A:** TR **Records in Turkey:** TR-A: ERZ, EZU, GIR, SAM **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Eastern Anatolian Region until now. **Chorotype:** S and E-European

***E. pubescens* (Koch, 1803)**

Range: E: AB AL AU AZ BE BH BU BY CR CZ DE EN FI FR GB GE GG GR HU IT LA LS LT LU MC MD NL PL PT RO RU SK SL SP SV SZ TR UK YU **A:** CY ES IN IS KI KZ TR
Records in Turkey: TR-A: BAL, BIL, DEN, DUZ, ESK, EZU, IST – TR-E: KRK **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded

from Eastern Anatolian Region, Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

Genus *Hermaphysalis* Foudras, 1860

Subgenus *Hermaphysalis* Foudras, 1860

***H. mercurialis* (Fabricius, 1792)**

Range: E: AU BE BH BU BY CR CZ DE EN FR GB GE HU IT LA LU MC NL PL RO RU SK SL SV SZ UK YU **A:** JO TR **Records in Turkey:** TR-A: ORD **Remarks:** The species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** European

Subgenus *Orthocrepis* Weise, 1888

***H. ruficollis* (Lucas, 1849)**

Range: E: AL FR GR MC SP N: AG EG LB MO TU **A:** AE AF CY IN IQ IS JO KZ LE NP OM SA SY TD TM TR UZ YE **Records in Turkey:** TR-A: ADA, ANT, BOL, MER **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Mediterranean Region until now. **Chorotype:** Saharo-Turano-Sindian + Mediterranean or Centralasiatic-Mediterranean + SW-Asiatic

Genus *Hippuriphila* Foudras, 1860

***H. modeeri* (Linnaeus, 1760)**

Range: E: AL AU BH BU BY CR CZ DE EN FI FR GB GE HU IR IT LA LS LT LU NL NR PL RO RU SK SL SP SV SZ UK WS YU **A:** ES MG TR WS **Records in Turkey:** TR-A: DUZ, IST, KOC **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Marmara Region until now. **Chorotype:** Sibero-European

Genus *Longitarsus* Latreille, 1829

Subgenus *Longitarsus* Latreille, 1829

***L. absinthii* Kutschera, 1862**

Range: E: AU BH CR CZ FR GB GE HU IT LA PL RO RU SK SL SP UK YU **A:** KZ MG TR UZ "Turkestan" **Records in Turkey:** TR-A: ANK, KON **Remarks:** The species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** Centralasiatic-European

***L. aeneicollis* (Faldermann, 1837)**

Range: E: AB AU BE BH BU BY CR CZ FR GB GE GG GR HU IT LA LT LU MC MD NL PT RO RU SK SP SV SZ UK YU **N:** AG MO TU **A:** AF IN IQ IS KI KZ LE SY TD TM TR UZ **Records in Turkey:** TR-A: ADA, ANK, ANT, ERZ, EZU, IGD, ISP, IZM, KRS, MER, SIV **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-Europeo-Mediterranean

***L. albineus* (Foudras, 1860)**

Range: E: AB BU CR FR GR HU IT MC PT RO SK SP ST UK **N:** AG EG MO TU **A:** AF CY IN IQ IS TD TR UZ **AUR** **Records in Turkey:** TR-A: ANT, AYD, BUR, EZU, ISP, IZM, KAY, KON, MER, NIG **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-Mediterranean + Australian

***L. alfieri* (Pic, 1923)**

***L. a. alfieri* (Pic, 1923)**

Range: E: GR **N:** EG **A:** AF IN IS JO KI LE SY TR **Records in Turkey:** TR-A: ANT, EZU, ISP, KON **Remarks:** The subspecies has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Centralasiatic-Mediterranean

***L. a. furthi* Gruev, 1982**

Range: E: BU GG GR MC SP UK YU **A:** TR **Records in Turkey:** TR-A: ANT, EZU, ISP
Remarks: The subspecies has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** S-European

***L. allotrophus* Furth, 1979**

Range: A: IS JO **TR Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** E-Mediterranean (Palaestino-Taurian)

***L. angelikae* Fritzlar, 2001**

Range: A: TR **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Anatolian

***L. aramaicus* Leonardi, 1979**

Range: A: CY IS JO TR **Records in Turkey:** TR-A: ANK, ANT, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Mediterranean Region until now. **Chorotype:** E-Mediterranean (Palaestino-Cyprioto-Taurian)

***L. artvinus* Gruev & Aslan, 1998**

Range: A: TR **Records in Turkey:** TR-A: ART **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Anatolian

***L. atricillus* (Linnaeus, 1760)**

Range: E: AB AL AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LT LU MD NL NR PL PT RO RU SK SL SP SV SZ UK YU **N:** AG LB MO TU **A:** CY ES FE IN TM TR UZ
Records in Turkey: TR-A: ANK, ANT, BAY, DEN, EZU, ISP **Remarks:** The species has been recorded only from 5 Turkish regions. But it has not been recorded only from Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Palearctic

***L. audisioi* Biondi, 1992**

Range: A: TR **Records in Turkey:** TR-A: TRA **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Anatolian

***L. australis* (Mulsant & Rey, 1874)**

Range: E: FR GE GR IT PT SP SZ YU **N:** AG MO **A:** TR **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Mediterranean

***L. baeticus* Leonardi, 1979**

Range: E: SP **N:** AG MO **A:** TR **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Mediterranean

***L. ballotae* (Marsham, 1802)**

Range: E: AL AU BE BH BU CR CZ FR GB GE GG GR HU IR IT LA LU MC NL PL PT RO RU SK SL SP SZ UK YU **N:** AG MO TU **A:** CY ES IN IS JO KZ MG SY TR YE **Records in Turkey:** TR-A: ANK, ANT, BUR, EZU, ISP, KON, MER **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Palearctic

***L. barbarae* Doguet & Bergeal, 2001**

Range: E: GR **A:** TR **Records in Turkey:** TR-A: ANT **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian) or E-Mediterranean (Aegean)

***L. bertii* Leonardi, 1973**

Range: E: AL AU BH BU CR FR GE GR HU IT MC SK SL ST UK **A:** CY IN IS SY TM TR **Records in Turkey:** TR-A: AKS, ANT, EZU, GUM, ISP, KON **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Turano-European

***L. brisouti* Heikertinger, 1912**

Range: E: BE BH BU CR FR GE GR HU IT RO SK SL SP ST UK YU **A:** TR **Records in Turkey:** TR-A: ERZ, EZU, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** C and E-European

***L. bytinskii* Furth, 1979**

Range: E: AR **A:** IS TR **Records in Turkey:** TR-A: ANT, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***L. callidus* Warchałowski, 1967**

Range: E: AB AU CZ FR GE HU IT PL SK SL SZ **N:** TU **A:** IN KZ TR **Records in Turkey:** TR-A: KRS **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Europeo-Mediterranean

***L. celticus* (Leonardi, 1975)**

Range: E: AU CZ FR GE IT SK SP SZ UK YU **A:** TR **Records in Turkey:** TR-A: ANT, BAY **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Mediterranean Region until now. **Chorotype:** C and E-European

***L. cerinthes* Schrank, 1798**

Range: E: AU CR CZ FR GE GR HU IT PT RO SK SL SP SZ UK YU **N:** AG CI LB MO MR TU **A:** CY TR **Records in Turkey:** TR-A: IGD, MER **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Europeo-Mediterranean

***L. corpulentus* Weise, 1887**

Range: A: KZ TD TM TR UZ **Records in Turkey:** TR-A **Remarks:** Provincial distribution of the species is unknown. **Chorotype:** Centralasiatic + Anatolian

***L. curtus* (Allard, 1860)**

Range: E: AL AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IR IT LA LT LU NL PL RO SK SL SP ST SV UK YU **A:** AF ES TD "Turkestan" **Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Sibero-European

***L. echii* (Koch, 1803)**

Range: E: AL AU BH BU CR CZ FR GE GR HU IT LT MA MC PL PT RO RU SK SL SP SZ UK YU **N:** AG CI MO MR TU **A:** AF SY TR **AFR AUR** **Records in Turkey:** TR-A **Remarks:** Provincial distribution of the species is unknown. **Chorotype:** Europeo-Mediterranean + Afrotropical + Australian

***L. eminus* Warchałowski, 1967**

Range: A: AF IN IQ IS KI KZ TD TR UZ **Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Centralasiatic + SW-Asiatic (Irano-Anatolian + Irano-Palaestinian + Palaestino-Taurian)

L. exsoletus* (Linnaeus, 1758)**L. e. exsoletus* (Linnaeus, 1758)**

Range: E: AB AL AN AR AU BE BH BU BY CR CZ DE EN FR GB GE GG GR HU IT LA LS LT LU MA MD NL NR PL PT RO RU SK SL SP SV SZ UK YU **A:** CY IN SY TM TR **Records in Turkey:** TR-A: ISP **Remarks:** The subspecies has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Turano-European

***L. e. rufulus* (Foudras, 1860)**

Range: E: CR FR GR IT **A:** CY TR **Records in Turkey:** TR-A: ANK, EZU, GUM, IZM, KAH, KAY, SAM **Remarks:** The subspecies is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** S-European

***L. fallax* Weise, 1888**

Range: E: AB AR BU CR FR GR IT RO RU TR UK **N:** AG EG LB MO **A:** AF IN IQ IS KI KZ TD TM TR UZ **Records in Turkey:** TR-A: ANK, ART, ANT, BUR, ERZ, EZU, ISP, IST, MAN, SIV – TR-E: IST **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-Mediterranean

***L. foudrasi* Weise, 1893**

Range: E: AL AN AR AU BH BU CR CZ FR GE GR HU IT MC PL RO SK SL SP ST SZ UK YU **N:** AG MO TU **A:** ES FE TR **Records in Turkey:** TR-A: ANT, EZU, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Palearctic

***L. ganglbaueri* Heikertinger, 1912**

Range: E: AU BE BH BU BY CR CZ DE FI FR GB GE GR HU IR IT LS LT LU MC NL NR PL RO RU SK SL SP SV SZ UK YU **A:** ES FE MG TR **NAR Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Sibero-European + Nearctic

***L. georgianus* Allard, 1866**

Range: E: GG **A:** TR **Records in Turkey:** TR **Remarks:** Provincial distribution of the species is unknown. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***L. gracilis* Kutschera, 1864**

Range: E: AU BE BU CR CZ DE EN FR GB GE GR HU IR IT LA LT LU MA NL PL RO SK SL SP ST SV SZ UK YU **N:** AG MO **A:** IS TR **Records in Turkey:** TR-A: EZU, GAZ, ISP, IZM **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean

***L. helvolus* Kutschera, 1863**

Range: E: AU CR CZ FR GE HU IT SK SL SZ **A:** TR **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** C and E-European

***L. hermonensis* Furth, 1979**

Range: A: IS TR **Records in Turkey:** TR-A: ANT, BAY, EZU, ISP **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** E-Mediterranean (Palaestino-Taurian)

***L. holsaticus* (Linnaeus, 1758)**

Range: E: AU BE BH BU BY CR CZ DE EN FI FR GB GE HU IR IT LA LS LT LU MC NL NR PL RO RU SK SL SP SV SZ UK YU **A:** ES FUJ JA SCH “Korea” **Records in Turkey:** TR

Remarks: Provincial distribution of the species is unknown. **Chorotype:** Sibero-European

***L. jacobaeae* (Waterhouse, 1858)**

Range: E: AB AU BE BU BY CR CZ DE EN FR GB GE GR HU IR IT LA LS LT LU NL NR PL RO RU SK SL SV SZ UK YU **A:** ES KI KZ MG TR XIZ **NAR AUR Records in Turkey:** TR-A: BAY, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Eastern Anatolian Region until now. **Chorotype:** Sibero-European + Nearctic + Australian

***L. jailensis* Heikertinger, 1913**

Range: E: BU TR UK **A:** TR **Records in Turkey:** TR-A: ESK, IST **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Marmara Region until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

***L. juncicola* (Foudras, 1860)**

Range: E: AB AL AU BE BH BU CR FR GR HU IT MA PT RO SL SP ST UK YU "Transcaspiá" **N:** AG LB MO TU **A:** TR **Records in Turkey:** TR-A: ANT, ESK, EZU, HAT, TRA **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Mediterranean

***L. karlheinzi* Warchałowski, 1972**

Range: E: UK **A:** IN IS SY TR **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** SW-Asiatic (Irano-Anatolian + Irano-Palaestinian + Syro-Anatolian)

***L. kopdagiensis* Gruev & Aslan, 1998**

Range: A: TR **Records in Turkey:** TR-A: BAY, EZU **Remarks:** The endemic species has been recorded only from 2 Turkish regions as Black Sea Region and Eastern Anatolian Region until now. **Chorotype:** Anatolian

***L. kutscherai* (Rey) 1892**

Range: E: AL AU BH BU BY CZ DE FI FR GB GE GG GR HU IR IT NL NR PL PT RO SK SL SP ST SV SZ **N:** AG **A:** NMO TR "Korea" **Records in Turkey:** TR-A: BUR, EZU, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Palearctic

***L. latens* Warchałowski, 1998**

Range: A: TR **Records in Turkey:** TR-A: TRA **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Anatolian

***L. lateripunctatus* Rosenhauer, 1856**

***L. l. personatus* Weise, 1893**

Range: E: AU BH BU CR CZ FR GE GR HU IT MD RO SK SL ST SZ UK YU **A:** CY IS TR **Records in Turkey:** TR-A: ANT, BUR, ISP **Remarks:** The subspecies has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** C and E-European

***L. ledouxi* Doguet, 1979**

Range: E: GG ST **A:** TR **Records in Turkey:** TR-A: RIZ **Remarks:** The species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***L. lewisii* (Baly, 1874)**

Range: E: AU BH BU CZ FI FR GE GG GR HU IT MC PL RO SK SL SP SZ UK **A:** AF ES FE FUJ HEB HEI IN JA KI MG PA SHA SHX TAI TD TR UZ "Korea" **ORR Records in Turkey:** TR-A: ART, EZU, RIZ **Remarks:** The species has been recorded only from 2

Turkish regions as Black Sea Region and Eastern Anatolian Region until now. **Chorotype:** Asiatic-European + Oriental

***L. linnaei* (Duftschmid, 1825)**

Range: E: AB AR AU BH BU CR CZ FR GG GR HU IT PL PT RO RU SK SL SP SZ TR UK YU A: IN IS SY TR **Records in Turkey:** TR-A: ADA, ANT, ART, DIY, ESK, EZU, ISP, IST, IZM **Remarks:** The species is widely distributed in Turkey. It has been recorded from all Turkish regions. But it has not been recorded only from the most Parts of Marmara Region, Central Anatolian Region, Black Sea Region and Eastern Anatolian Region, Central-West Anatolia Part in Aegean Region and Central Firat Part in South-Eastern Anatolian Region until now. **Chorotype:** C and E-European

***L. longipennis* Kutschera, 1863**

Range: E: AU BE BU CR CZ GE GR HU IT LA LU NL PL RO SK ST SZ UK YU N: MO A: ES KZ TR "Turkestan" **Records in Turkey:** TR-A: ANT, EZU, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Palearctic

***L. luridus* (Scopoli, 1763)**

***L. l. luridus* (Scopoli, 1763)**

Range: E: AB AL AN AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GG GR HU IR IT LA LS LT LU MA MC NL NR PL PT RO RU SK SL SP SV SZ TR UK YU A: CY ES IN IQ IS KZ LE MG SY TR UZ **NAR Records in Turkey:** TR-A: ANK, ANT, ART, BAY, BUR, ESK, EZU, ISP, IST, KSH, SIV, YOZ – TR-E: IST **Remarks:** The subspecies is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European + Nearctic

***L. lycopi* (Foudras, 1860)**

Range: E: AB AL AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GG GR HU IT LA LT LU MA MC NL PL PT RO RU SK SL SP ST SV SZ TR UK YU N: AG MO TU A: CY IN IQ IS JO KZ SA SY TD TM TR UZ YE **AFR Records in Turkey:** TR-A: ADA, ANK, ANT, ART, BAL, BRS, ERZ, ESK, EZU, GIR, HAT, ISP, MER – TR-E: KRK **Remarks:** The subspecies is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Afrotropico-Mediterranean + European

***L. manfredi* Fritzlar, 2004**

Range: A: TR **Records in Turkey:** TR-A: ANT **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Anatolian

***L. medvedevi* Shapiro, 1956**

Range: E: AU BU CZ HU PL RO RU SK SV UK YU A: TR UZ **Records in Turkey:** TR-A: BAY, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-European

***L. melanocephalus* (DeGeer, 1775)**

Range: E: AB AL AN AU BE BH BU BY CR CZ DE EN FI FR GB GE GG GR HU IT LA LS LT LU MC MD NL NR PL PT RO RU SK SL SP SV SZ TR UK YU A: AF ES IN IS KZ MG TD TM TR WS **Records in Turkey:** TR-A: ANK, ART, BAY, ERZ, ESK, EZU, IGD, ISP, IST, NIG – TR-E **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***L. membranaceus* (Foudras, 1860)**

Range: E: AU BE BH BU CR FR GB GE GR HU IT LU MA NL PT RO RU SP UK N: AG MO TU A: CY IN IS TR **Records in Turkey:** TR-A: ADA **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Europeo-

Mediterranean

***L. meridionalis* Weise, 1888**

Range: A: IS SY TR **Records in Turkey:** TR-A: ANT, ISP, KON **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Mediterranean Region until now. **Chorotype:** E-Mediterranean (Palaestino-Taurian)

***L. minimus* Kutschera, 1864**

Range: E: AU BH CZ GE HU IT PL SK ST SZ UK A: ES TR **Records in Turkey:** TR-A: ANT, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Sibero-European

***L. minusculus* (Foudras, 1860)**

Range: E: AU BE BH BU CR CZ FR GE GR HU IT PT RO RU SK SL SP SZ UK YU A: TR **Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** European

***L. nanus* (Foudras, 1860)**

Range: E: AB AU BE BH BU CR CZ FR GE GR HU IT LA LS LU NL RU SK SL SP SZ UK YU N: AG A: IS TR **Records in Turkey:** TR-A: ANT, EZU, ISP, KON **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Europeo-Mediterranean

***L. nasturtii* Fabricius, 1792**

Range: E: AB AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LS LT LU MD NL NR PL RO RU SK SL SP SV SZ UK YU A: ES FE HEB HEI KI KZ MG SHA SHX TR XIZ "Korea" **Records in Turkey:** TR-A: ISP, IZM **Remarks:** The species has been recorded only from 2 Turkish regions as Aegean Region and Mediterranean Region until now. **Chorotype:** Sibero-European

***L. niger* (Koch, 1803)**

Range: E: AL AU BE BH BU CR CZ DE EN FR GE GG GR HU IT LA LU MC NL PL RO RU SK SL SP SV SZ UK YU A: TR **Records in Turkey:** TR-A: ESK, EZU, IST **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Marmara Region until now. **Chorotype:** European

***L. nigrofasciatus* (Goeze, 1777)**

***L. n. nigrofasciatus* (Goeze, 1777)**

Range: E: AB AL AN AR AU BE BH BU BY CR CZ FR GB GE GR HU IR IT LA LS LU MC NL NR PL PT RO RU SK SL SP SZ TR UK YU N: AG CI MO MR TU A: AF CY ES IN IQ IS JO KZ SY TD TM TR UZ **Records in Turkey:** TR-A: ANK, ANT, BRS, BUR, DUZ, ESK, EZU, ISP, MER – TR-E: EDI **Remarks:** The subspecies is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Palearctic

***L. nimrodi* Furth, 1979**

Range: E: AU BU CZ IT MC SK SL A: IS TR **Records in Turkey:** TR-A: ANT, EZU, ISP, TRA **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** C and E-European

***L. noricus* Leonardi, 1976**

Range: E: AB AU BH BU CZ GE GG HU IT LA PL RO SK SL ST SZ UK A: TR **Records in Turkey:** TR-A: EZU, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** C

and E-European

***L. oblitteratoides* Gruev, 1973**

Range: E: AB FR GB GE GG GR PT SK SP SZ N: MO A: CY **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Mediterranean

***L. oblitteratus* (Rosenhauer, 1847)**

Range: E: AB AR AU BH BU CR CZ FR GB GE GG GR HU IT LT MC NL PL PT RO RU SK SL SP SZ TR UK YU A: IN IS JO SY TR **Records in Turkey:** TR-A: ADA, ANT, BUR, DEN, EZU, HAT, ISP, IST, IZM – TR-E: EDI **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Central Anatolian Region and South-Eastern Anatolian Region until now. **Chorotype:** European

***L. ochroleucus* (Marsham, 1802)**

***L. o. ochroleucus* (Marsham, 1802)**

Range: E: AB AN AU BE BU CR CZ DE FI FR GB GE GR HU IT LA LU MA MC NL NR PL PT RO RU SK SL SP ST SV SZ UK YU N: AG CI MO TU A: IN NP TR YUN **Records in Turkey:** TR-A: ANT, BUR, DEN, ERZ, ISP, IZM, KAY, MER **Remarks:** The subspecies has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean or W-Palaearctic + Oriental

***L. ozbeki* Aslan & Warchalowski, 2005**

Range: A: TR **Records in Turkey:** TR-A: EZU **Remarks:** The endemic species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Anatolian

***L. parvulus* (Paykull, 1799)**

Range: E: AB AL AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IR IT LA LT LU MC MD NL NR PL PT RO RU SK SL SP ST SV SZ UK YU N: AG CI LB MO MR TU A: CY ES IS TR **Records in Turkey:** TR-A: ANT, BUR, EZU, ISP, KRS, URF **Remarks:** The species has been recorded only from 3 Turkish regions as Eastern Anatolian Region, Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** Palearctic

***L. pellucidus* (Foudras, 1860)**

Range: E: AB AL AN AR AU BE BH BU BY CR CZ DE EN FR GB GE GR HU IT LA LT LU MA MD NL NR PL PT RO RU SK SL SP ST SV SZ UK YU N: AG MO TU A: AF CY ES IN IS JO KI KZ MG SY TR UZ “India” **NAR Records in Turkey:** TR-A: ADA, AMA, ANK, ANT, ART, BAY, ERZ, EZU, GUM, IGD, ISP, IZM, KRS, SIV, TOK **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Holarctic

***L. picicollis* Weise, 1900**

Range: E: AB BU GG RO UK “Transcaucasus” A: AF IN IQ KZ TD TM TR UZ **Records in Turkey:** TR-A: ANK, ANT, BUR, EZU, ISP, IZM, KAH **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-European

***L. pratensis* (Panzer, 1794)**

Range: E: AB AL AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GG GR HU IR IT LA LS LT LU MA MC MD NL NR PL PT RO RU SK SL SP SV SZ TR UK YU N: AG CI MO A: AF FE IN IS KI KZ TD TM TR UZ **AFR NAR Records in Turkey:** TR-A: AKS, ANK, ANT, ART, ERZ, ESK, EZU, ISP, IST, KAS, KON, RIZ, SIV – TR-E: KRK **Remarks:** The species probably rather is widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Holarctic + Afrotropical

***L. pulmonariae* Weise, 1893**

Range: E: AR AU BE BH BU CR CT CZ DE GE GG HU LU PL RO SK SL ST UK YU **A:** TR
Records in Turkey: TR-A: BAY, ISP, MER **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Mediterranean Region until now.
Chorotype: C and E-European

***L. quadriguttatus* (Pontoppidan, 1763)**

Range: E: AU BU BY CZ DE EN FR GB GE GR HU IT LA LU MC PL RO RU SK SP SV SZ UK YU **A:** TR
Records in Turkey: TR-A: BAL, DIY, EZU **Remarks:** The species has been recorded only from 3 Turkish regions as Eastern Anatolian Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** European

***L. rectilineatus* (Foudras, 1860)**

Range: E: AU BH BU CR CZ FR GE GG GR HU IT MC SP ST SZ UK **N:** AG TU **A:** AF CY IN IQ IS KI KZ SY TD TM TR UZ
Records in Turkey: TR-A: ANK, EZU, IST **Remarks:** The species has been recorded only from 3 Turkish regions as Eastern Anatolian Region, Central Anatolian Region and Marmara Region until now. **Chorotype:** Centralasiatic-Mediterranean

***L. reichei* (Allard, 1860)**

Range: E: AL AR AU BH BU CR CZ DE FR GB GE GR HU IT NL NR PL RO RU SK SL SP ST SV SZ TR UK YU **A:** IN
Records in Turkey: TR-A: ANT, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** European

***L. rubiginosus* Foudras, 1860**

Range: E: AB AL AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LS LT LU NL NR PL RO RU SK SL SP ST SV SZ UK YU **A:** ES FE IN TR “Turkestan” “North China”
NAR Records in Turkey: TR-A: ADI, ANK **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European + Nearctic

***L. salviae* Gruev, 1975**

Range: E: AR AU BH BU CZ FR GE GG GR HU IT MC PL RO SK SL SP ST SZ UK YU **A:** TR
Records in Turkey: TR-A: ANT, EZU, GUM, ISP **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** C and E-European

***L. scutellaris* (Mulsant & Rey, 1874)**

Range: E: AB AL AN AU BH BU BY CR EN FI FR GE GG HU IT LA PL RO RU SL SP SZ UK YU **A:** CH ES FE JA MG TR “Korea” **ORR Records in Turkey:** TR-A: ART, EZU, ISP
Remarks: The species has been recorded only from 3 Turkish regions as Black Sea Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Sibero-European + Oriental

***L. solaris* Gruev, 1977**

Range: E: BU GR **A:** TR
Records in Turkey: TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

L. stragulatus* (Foudras, 1860)**L. s. stragulatus* (Foudras, 1860)**

Range: E: IT MA SP **N:** AG EG LB MO TU **A:** IS JO
Records in Turkey: TR-A: ISP
Remarks: The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Mediterranean

***L. s. dichrous* Iablokoff-Khnzorian, 1962**

Range: E: AR A: TR **Records in Turkey:** TR-A: DIY **Remarks:** The subspecies has been recorded only from South-Eastern Anatolian Region in Turkey until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***L. strigicollis* Wollaston, 1864**

Range: E: AU BU CR CZ FR GE GG HU IT PT SK SL SP SZ UK N: AG CI MO TU A: TR **AFR Records in Turkey:** TR-A: BAY, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean + Afrotropical

***L. substriatus* Kutschera, 1864**

Range: E: AL AU BU CR CZ FR GE GR HU IT RO SK SL ST SV UK YU A: KZ TR **Records in Turkey:** TR-A: IZM, KON **Remarks:** The species has been recorded only from 2 Turkish regions as Aegean Region and Central Anatolian Region until now. **Chorotype:** C and E-European

***L. succineus* (Foudras, 1860)**

Range: E: AB AL AN AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LS LT LU MC MD NL NR PL PT RO RU SK SL SP ST SV SZ UK YU N: AG MO A: AF BEI CY ES FE IN IS JA KI KZ MG NP TD TR UZ "India" "Korea" **NAR Records in Turkey:** TR-A: ANT, DEN, ESK, EZU, ISP, IST, MER **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Holarctic

***L. suturellus* (Duftschmid, 1825)**

Range: E: AB AL AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IR IT LA LS LT LU MC MD NL NR PL RO RU SK SL ST SV SZ UK YU A: CH ES FE JA MG TR "Korea" **Records in Turkey:** TR-A: ANK, ERZ, ESK, EZU, ISP, URF **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and Marmara Region until now. **Chorotype:** Sibero-European

L. tabidus* (Fabricius, 1775)**L. t. tabidus* (Fabricius, 1775)**

Range: E: AB AL AN AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LS LT LU MA MC MD NL NR PL PT RO RU SK SP ST SV SZ TR UK YU N: AG MO TU A: CY ES IN IS KI KZ MG TM TR **Records in Turkey:** TR-A: AKS, ANT, BRS, BUR, EZU, ISP, KAR, KON, KRS, MER, NEV, NIG – TR-E: EDI **Remarks:** The subspecies has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Palearctic

***L. trepidus* Warchalowski, 1973**

Range: E: GG A: AF IN IQ TR **Records in Turkey:** TR-A: ADA, ANK, ANT, ARD, EZU, ISP, KAY, KON, KRS, MAL, MER, VAN **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian)

***L. violentus* Weise, 1893**

Range: E: AB AR GG ST A: AF ES FE FUJ IN KI KZ MG NMO TM TR UZ **Records in Turkey:** TR-A **Remarks:** Provincial distribution of the species is unknown. **Chorotype:** Asiatic + SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian)

Subgenus *Testergus* Weise, 1893***L. anatolicus* Weise, 1900**

Range: E: AB BU A: IN IS TR "Palaestina" **Records in Turkey:** TR-A: ADA, AKS, ANK,

BAR, BIT, COR, DIY, ERZ, EZU, ISP, KAR, KAY, KAH, KOC, KON, MAL, MER, MUS, SII, SIV, VAN, YOZ **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from Aegean Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Turano-Balkan)

***L. anchusae* (Paykull, 1799)**

Range: E: AB AU BE BH BU CR CZ DE EN FR GB GE GG GR HU IT LA LT LU MC MD NL PL PT RO SK SL SP ST SV SZ TR UK YU **A:** AF CY ES IN IQ IS JO KZ SY TD TR **Records in Turkey:** TR-A: ADA, ANT, ARD, EZU, ISP, KAS, KRS, MER– TR-E: EDI **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Central Anatolian Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***L. aubozaorum* Biondi, 1997**

Range: A: TR **Records in Turkey:** TR-A: ANK, ESK **Remarks:** The endemic species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** Anatolian

***L. corynthius* (Reiche & Saulcy, 1858)**

***L. c. corynthius* (Reiche & Saulcy, 1858)**

Range: E: AL BH BU CR GR **A:** CY **Records in Turkey:** TR-A: ISP **Remarks:** The subspecies has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

***L. fuscoaeneus* Redtenbacher, 1849**

***L. f. fuscoaeneus* Redtenbacher, 1849**

Range: E: AR AU BE BU CZ FR GG HU IT LA LU NL PT RO RU SK UK YU **A:** CY IS JO SY **TR Records in Turkey:** TR-A: ADA, ANK, ANT, BUR, EZU, ISP, KAY, MER **Remarks:** The subspecies has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region Eastern Anatolian Region until now. **Chorotype:** C and E-European

***L. hittita* Biondi, 1995**

Range: A: TR **Records in Turkey:** TR-A: AGR, ANK, ERZ, KAY, KON, YOZ **Remarks:** The endemic species has been recorded only from 2 Turkish regions as Central Anatolian Region and Eastern Anatolian Region until now. **Chorotype:** Anatolian

***L. iconiensis* Weise, 1900**

Range: A: TR **Records in Turkey:** TR-A: ANK, ESK, KON **Remarks:** The endemic species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** Anatolian

***L. lederi* Weise, 1889**

Range: E: GG **ST A:** TR **Records in Turkey:** TR-A: ART **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***L. onosmae* (Peyerimhoff, 1912)**

Range: N: AG MO TU **Records in Turkey:** TR-A: ISP **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Mediterranean or N-Africa + Anatolian

***L. pinguis* Weise, 1888**

Range: E: AR AU BU BY CZ GE GG GR HU IT PL RO SK SL SZ YU **A:** IS JO SY TR **Records in Turkey:** TR-A: ANT, ISP, IST **Remarks:** The species has been recorded only from 2 Turkish regions as Marmara Region and Mediterranean Region until now. **Chorotype:** C and E-European

***L. truncatellus* Weise, 1890**

Range: E: GRA: IS JO TR **Records in Turkey:** TR-A: ANT, IZM **Remarks:** The species has been recorded only from 2 Turkish regions as Aegean Region and Mediterranean Region until now. **Chorotype:** E-Mediterranean (Aegean + Palaestino-Taurian)

***L. weisei* Guillebeau, 1895**

Range: E: AL FR GE PL SP SZ **A:** AF ES HEB IN NP TD TM TR **Records in Turkey:** TR-A: KRS **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Sibero-European

Genus *Mantura* Stephens, 1831**Subgenus *Mantura* Stephens, 1831*****M. chrysanthemi* (Koch, 1803)*****M. c. chrysanthemi* (Koch, 1803)**

Range: E: AU BE BY CZ DE EN FI FR GB GE HU IR IT LA LT LU NL NR PL PT RO RU SK SP SV SZ UK YU **N:** AG CI MO **A:** TR **AFR NAR Records in Turkey:** TR-A: MUG **Remarks:** The subspecies has been recorded only from Aegean Region in Turkey until now. **Chorotype:** W-Palaearctic + Afrotropical + Nearctic

***M. mathewsii* (Curtis, 1833)**

Range: E: AB AU BE BH BU CR CZ FR GB GE IT LU NL SK SP SZ UK YU **A:** TR **Records in Turkey:** TR-A: DEN, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Aegean Region and Mediterranean Region until now. **Chorotype:** European

***M. rustica* (Linnaeus, 1767)**

Range: E: AB AL AN AR AU BE BH BU BY CR CT CZ DE EN FI FR GB GE GG GR HU IT KZ LA LS LT LU MC MD NL NR NT PL PT RO RU SK SL SP ST SV SZ TR UK YU **N:** AG **A:** AF CY ES FE HEB HEI IN IQ IS JA JO KI KZ LE MG SY TD TM TR UZ WS XIN **Records in Turkey:** TR-A: ANK, EZU, ISP, IST, KON, SIV, YOZ – TR-E: KRK **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

Subgenus *Stenomantura* Heikertinger, 1909***M. cylindrica* Miller, 1881**

Range: E: AB BU CR GR IT ST **A:** SY TR **Records in Turkey:** TR-A: AMA **Remarks:** The species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Turano-Apenninian)

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

Range: A: TR **Records in Turkey:** TR-A: ART, RIZ **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Anatolian

Genus *Neocrepidodera* Heikertinger, 1911***N. crassicornis* Faldermann, 1837**

Range: E: AB AU BH BU CR FR HU IT MC PT RO SK SL SP ST SZ UK YU “Caucasus” **A:** KZ TR **Records in Turkey:** TR-A: EZU, ISP, SAM **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** C and E-European

***N. ferruginea* (Scopoli, 1763)**

Range: E: AB AL AN AR AU BE BH BU BY CR CT CZ DE EN FI FR GB GE GG GR HU IT KZ LA LS LT LU MC MD NL NR NT PL PT RO RU SK SL SP ST SV SZ TR UK YU **N:** AG **A:** AF CY ES FE HEB HEI IN IQ IS JA JO KI KZ LE MG SY TD TM TR UZ WS XIN **Records in Turkey:** TR-A: ANK, ANT, EZU, ISP, IST, KAY, KON, SAK **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean

Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***N. impressa* (Fabricius, 1801)**

***N. i. obtusangula* (Daniel, 1904)**

Range: E: BU A: CY TR **Records in Turkey:** TR-A: EZU, ISP, IZM **Remarks:** The subspecies has been recorded only from 3 Turkish regions as Aegean Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

***N. motschulskii* Konstantinov, 1991**

Range: E: AR AU BE BU BY CT CZ DE EN FI FR GE GG HU LT LU NL NR NT PL SK ST SV UK A: ES FE IN TD TR **Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Sibero-European

***N. nigritula* (Gyllenhal, 1813)**

Range: E: AU BH BU BY CR CZ EN FI GE HU IT LA LT MC PL RO RU SK SL SV SZ TR UK YU **Records in Turkey:** TR-A: IST **Remarks:** The species has been recorded only from Marmara Region in Turkey until now. **Chorotype:** C and E-European

***N. transversa* (Marshall, 1802)**

Range: E: AB AL AU BE BH BU BY CR CZ DE EN FR GB GE GR HU IR IT LS LT LU MC MD NL PL PT RO RU SK SL SP SV SZ TR UK YU "Caucasus" A: CY IN TR **Records in Turkey:** TR-A: AKS, ANK, ANT, EZU, ISP, MER, SAM, SIV, TOK – TR-E: EDI **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** European

Genus *Ochrosis* Foudras, 1860

***O. ventralis* (Illiger, 1807)**

Range: E: AL AU BE BH BU CR FR GB GE GR HU IR IT LA LU MA NL PL PT RU SK SP ST SZ TR UK YU N: AG CI EG MO MR TU A: CY IN IS LE SY TR **AFR Records in Turkey:** TR-A: ANK, BOL, ERZ, EZU, HAT, IGD, ISP, IST, KAH, KAS, KAY, KOC, KRS, SIV – TR-E: KRK **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** European-Mediterranean or W-Palaearctic + Afrotropical

Genus *Orestia* Chevrolat, 1836

***O. delagrangei* Pic, 1909**

Range: A: IS JO LE SY TR **Records in Turkey:** TR-A: HAT **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** E-Mediterranean (Palaestino-Taurian)

***O. loebli* Biondi, 1992**

Range: A: TR **Records in Turkey:** TR-A: ZON **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Anatolian

***O. olympica* Frivaldszky, 1884**

Range: A: TR **Records in Turkey:** TR-A: BRS, ESK **Remarks:** The endemic species has been recorded only from 2 Turkish regions as Central Anatolian Region and Marmara Region until now. **Chorotype:** Anatolian

***O. oselliana* Leonardi, 1977**

Range: A: TR **Records in Turkey:** TR-A: BOL, KAS **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Anatolian

Genus *Phyllotreta* Chevrolat, 1836***P. acutecarinata* Heikertinger, 1941**

Range: E: AU GR PL RU SK UK A: AF TR **Records in Turkey:** TR-A: KON **Remarks:** The species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** C and E-European

***P. astrachanica* Lopatin, 1977**

Range: E: AB AU BU CZ FR GE GG GR HU IT NL PL SK SL SP ST SZ YU A: CY IN KZ TR **Records in Turkey:** TR-A: ANK, ANT, ART, ISP **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Mediterranean Region until now. **Chorotype:** C and E-European

***P. atra* (Fabricius, 1775)**

Range: E: AB AL AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GG GR HU IT LA LT LU MC NL NR PL RO RU SK SL SP ST SV SZ TR UK YU N: AG MO A: AF ES FE IN JO KI KZ MG SY TD TR YE **Records in Turkey:** TR-A: ANK, ANT, BAY, BOL, ESK, EZU, GUM, ISP, KAY, KOC, NIG, RIZ, SAM, SIV, TRA – TR-E: EDI **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Palearctic

***P. balcanica* Heikertinger, 1909**

Range: E: AB AL AU BH BU CR FR GR HU IT MC RO SL SP ST UK YU A: AF KI KZ TR UZ **Records in Turkey:** TR-A: ADA, BRS, EZU, KOC **Remarks:** The species has been recorded only from 3 Turkish regions as Eastern Anatolian Region, Marmara Region and Mediterranean Region until now. **Chorotype:** Centralasiatic-European

***P. bolognai* Biondi, 1992**

Range: A: TR **Records in Turkey:** TR-A: ANT, EZU, ISP **Remarks:** The endemic species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Anatolian

***P. bulgarica* Gruev, 1977**

Range: E: BU GR A: IS **Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

***P. caucasicola* Heikertinger, 1941**

Range: E: AR ST A: IQ TR **Records in Turkey:** TR-A: ANK **Remarks:** The species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***P. corrugata* Reiche & Sauley, 1858**

Range: E: AB AR BU FR GB GR IT MA SP ST UK N: AG EG LB MO TU A: AF CY IN IQ IS JO KZ SY TM TR UZ **Records in Turkey:** TR-A: ADA, AFY, ANK, ANT, BUR, HAT, ISP, IZM, KAY, KON, SIV, YOZ **Remarks:** The species has been recorded only from 3 Turkish regions as Aegean Region, Central Anatolian Region and Mediterranean Region until now. **Chorotype:** Centralasiatic-Mediterranean

***P. cruciferae* (Goeze, 1777)**

Range: E: AB AL AU BH BU BY CR CZ DE FR GB GE GG GR HU IT LA LS LT LU MA MC MD NL PL PT RO RU SK SL SP SV SZ UK YU N: AG EG MO TU A: AF CY IN IS JA JO KI KZ MG PA SY TD TR "India" **AFR NAR Records in Turkey:** TR-A: ADA, AMA, ANK, BIL, BRS, BUR, CNK, COR, ESK, EZU, ISP, IZM, KAY, KON, MAN, NIG, TOK, TRA – TR-E: EDI **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Holarctic + Afrotropical

***P. dacica* Heikertinger, 1941**

Range: E: AB BH BU CR RO UK YU **A:** TR **Records in Turkey:** TR-A: ISP, KON **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Mediterranean Region until now. **Chorotype:** SE-European

***P. diademata* Foudras, 1860**

Range: E: AB AL AU BE BH BU CR CZ FR GB GE GG GR HU IT LU MC NL PL RO RU SK SL SP SV SZ UK YU **A:** AF IN IQ SD SU TR “Turkestan” **Records in Turkey:** TR-A: ADA, AKS, ANK, ANT, ESK, ERZ, EZU, ISP, KOC, KON – TR-E: EDI **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-European

***P. egridirensis* Gruev & Kasap, 1985**

Range: A: IN TR **Records in Turkey:** TR-A: ADA, ANT, ISP, KON **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Irano-Anatolian)

P. erysimi* Weise, 1900**P. e. erysimi* Weise, 1900**

Range: E: AB BU GR MC RO RU TR UK YU “Caucasus” **A:** AF IN IS KI KZ MG SY TD TM TR UZ **Records in Turkey:** TR-A: ANK, ANT, BAY, EZU, ISP, KON, MAN, SAM, TRA – TR-E **Remarks:** The subspecies is probably rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-European

***P. fallaciosa* Heikertinger, 1941**

Range: E: FR GR IT SP N: AG MO **A:** CY IN IS JO TR **Records in Turkey:** TR-A: NIG **Remarks:** The species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** Mediterranean

***P. fornuseki* Cizek, 2003**

Range: E: CZ SK **Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** E-European

***P. ganglbaueri* Heikertinger, 1909**

Range: E: AU BH BU CR CZ FR IT PT RO SL SP SZ UK YU **Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** C and E-European

***P. judaea* Pic, 1901**

Range: E: AR BU SK **A:** IN IS JO TR **Records in Turkey:** TR-A: ISP, IZM **Remarks:** The species has been recorded only from 2 Turkish regions as Aegean Region and Mediterranean Region until now. **Chorotype:** Turano-Mediterranean (Turano-Balkan)

***P. lativittata* Kutschera, 1860**

Range: E: AB AR GR IT MA **A:** AF CY IN IQ IS JO KI KZ LE OM SY TD TM TR UZ XIN **Records in Turkey:** TR-A: EZU, IZM, KRS **Remarks:** The species has been recorded only from Aegean Region and Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-E-Mediterranean

***P. lorestanica* Warchalowski, 1973**

Range: A: IN **Records in Turkey:** TR-A: BUR, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Irano-Anatolian)

***P. maculicornis* Pic, 1906**

Range: A: SY TR **Records in Turkey:** TR-A: ANT, ISP, KON, NIG **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Syro-Anatolian)

***P. nemorum* (Linnaeus, 1758)**

Range: E: AB AL AU BE BH BU BY CR CT CZ DE EN FI FR GB GE GG GR HU IT LA LS LT LU MC MD NL NR NT PL RO SK SL SP ST SV SZ TR UK YU **A:** CY ES FE IN IS KZ MG TD TR UZ WS "Korea" **AUR Records in Turkey:** TR-A: ANK, BAY, BIL, BOL, COR, ESK, ERZ, EZU, ISP, IST, SIV – TR-E: EDI **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Aegean Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European + Australian

P. nigripes* (Fabricius, 1775)**P. n. nigripes* (Fabricius, 1775)**

Range: E: AB AL AN AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LT LU MC MD NL PL RO RU SK SL SP SV SZ TR UK YU **N:** AG CI EG MO TU **A:** AF CY IN IS KI KZ SY TD TR UZ **Records in Turkey:** TR-A: ADA, ANK, ANT, BAY, BIL, ERZ, ESK, EZU, HAT, IGD, ISP, KAY, KON, KRS, MAN, MER, SIV, YOZ – TR-E: EDI **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-European-Mediterranean

***P. nodicornis* (Marsham, 1802)**

Range: E: AU BE BH BU CR CZ FR GB GE HU IT LU NL PL PT RO SK SL SP ST SZ UK YU **A:** TR UP **Records in Turkey:** TR-A: ANK, ESK, EZU, ISP, MAN, SIV **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** European + Indian

***P. ochripes* (Curtis, 1837)**

Range: E: AB AU BE BH BU BY CR CZ DE FI FR GB GE GR HU IT LA LT LU NL NR PL PT RO RU SK SL SP ST SV SZ TR UK YU **A:** ES FE IN JA TR **Records in Turkey:** TR-A: GIR, IST, NIG **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Marmara Region until now. **Chorotype:** Sibero-European

***P. oltuensis* Gruev & Aslan, 1998**

Range: A: TR **Records in Turkey:** TR-A: EZU **Remarks:** The endemic species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Anatolian

***P. ozbeki* Gruev & Aslan, 1998**

Range: A: TR **Records in Turkey:** TR-A: BAY **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Anatolian

***P. pallidipennis* Reitter, 1891**

Range: E: KZ ST UK WS **A:** AF ES IN KI KZ MG PA TD TM TR UZ XIZ **Records in Turkey:** TR-A: ANK, KAY **Remarks:** The species has been recorded only from Central Anatolian Region until now. **Chorotype:** Centralasiatic + SW-Asiatic (Irano-Anatolian)

***P. pontoaegica* Gruev, 1982**

Range: E: BU GR **A:** TR **Records in Turkey:** TR-A: ANT, ISP, MER **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

***P. praticola* Weise, 1887**

Range: E: AB ST A: AF ES IN KI KZ MG TD TR UZ WS “India” NW China” **Records in Turkey:** TR-A: EZU, IST, KAY **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Marmara Region until now. **Chorotype:** Asiatic + SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian)

***P. procera* (Redtenbacher, 1849)**

Range: E: AB AN AU BE BH BU CR CZ FR GB GE GG GR HU IT LU MA MC NL PT RO RU SK SL SP SZ UK YU N: AG CI MO MR TU A: CY IN IS JO TD TM TR **AFR Records in Turkey:** TR-A: ADA, ANK, ANT, ERZ, ESK, EZU, ISP, KON **Remarks:** The species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Centralasiatic-Europeo-Mediterranean + Afrotropical

***P. punctulata* (Marsham, 1802)**

Range: E: AB AU BE BH BU CR CZ FR GB GE GR HU IT LU MC MD NL PL PT RO RU SK SL SP ST SZ TR UK YU N: MO A: IS TR **NAR Records in Turkey:** TR-A: ANT, BRS, BUR, ESK, GIR, ISP, IST – TR-E: KRK **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Eastern Anatolian Region and South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean or W-Palearctic + Nearctic

***P. reitteri* Heikertinger, 1911**

Range: E: UK A: KZ TR UZ **Records in Turkey:** TR-A: DEN **Remarks:** The species has been recorded only from Aegean Region in Turkey until now. **Chorotype:** Centralasiatic + E-European

***P. sisymbrii* Weise, 1888**

Range: E: AB AR GG ST A: IN SY TR **Records in Turkey:** TR-A: ANK, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Central Anatolian Region and Eastern Anatolian Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian + Syro-Anatolian)

***P. striolata* (Illiger, 1803)**

Range: E: AB AL AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LS LT LU MC NL NR PL PT RO RU SK SL SP SV SZ TR UK YU A: ANH FE FUJ GAN GUA GUI GUX HAI HEI HKG HUB JA JIA KZ MG NP SCH SD TAI TR XIZ YUN ZHE “Korea” **AFR AUS NAR ORR Records in Turkey:** TR-A: DUZ, EZU – TR-E: EDI **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Eastern Anatolian Region and Marmara Region until now. **Chorotype:** Subcosmopolitan or Asiatic-European + Nearctic + Afrotropical + Australian + Oriental

***P. tetrastigma* (Comolli, 1837)**

Range: E: AU BE BH BU BY CR CZ DE EN FI FR GB GE HU IT LA LS LT LU NL NR PL RO RU SK SL SP SV SZ UK A: ES TR **Records in Turkey:** TR-A: ART, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***P. toelgi* Heikertinger, 1941**

Range: A: TR **Records in Turkey:** TR-A: ESK, ORD **Remarks:** The endemic species has been recorded only from 2 Turkish regions as Black Sea Region and Central Anatolian Region until now. **Chorotype:** Anatolian

***P. undulata* (Kutschera, 1860)**

Range: E: AB AL AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LS LT LU MC NL NR PL PT RO RU SK SL SP ST SV SZ TR UK YU N: AG A: ES FE KI KZ MG TM TR UZ **AUR NAR Records in Turkey:** TR-A: BIL, ESK, EZU, IST **Remarks:** The

species has been recorded only from 3 Turkish regions as Central Anatolian Region, Eastern Anatolian Region and Marmara Region until now. **Chorotype:** Holarctic + Australian

***P. variipennis* (Boieldieu, 1859)**

***P. v. variipennis* (Boieldieu, 1859)**

Range: E: BH BU CR FR GR IT MA MC PT SL SP SZ TR YU N: AG CI MO TU A: CY IN IQ IS TR **Records in Turkey:** TR-A: ANK, ESK, ISP, IST, IZM **Remarks:** The subspecies has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Eastern Anatolian Region and South-Eastern Anatolian Region until now. **Chorotype:** Mediterranean

***P. vilis* Weise, 1888**

Range: E: BU CR GR IT A: TR **Records in Turkey:** TR-A: ANK, ISP, IST, IZM, MER **Remarks:** The subspecies has been recorded only from 4 Turkish regions. But it has not been recorded from Black Sea Region, Eastern Anatolian Region and South-Eastern Anatolian Region until now. **Chorotype:** SE-European or Turano-Mediterranean (Turano-Apenninian)

***P. vittula* (Redtenbacher, 1849)**

Range: E: AB AL AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IR IT LA LT LU MC NL NR PL RO RU SK SL SP SV SZ TR UK YU A: AF ES FE HEI IN KI KZ MG TD TR WS “Korea” **NAR Records in Turkey:** TR-A: ANK, ANT, EZU, ISP, IZM – TR-E: EDI **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European + Nearctic

***P. wiseana* Jakobson, 1901**

Range: E: AB ST UK A: IN KZ TR **Records in Turkey:** TR-A: ANK, BAY, EZU, KON **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Eastern Anatolian Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian) + E-European

Genus *Podagrica* Chevrolat, 1836

***P. fuscicornis* (Linnaeus, 1767)**

Range: E: AB AL AU BE BH BU CR CZ DE FR GB GE GR HU IT LA LU MC NL PL PT RO RU SK SL SP SZ TR UK YU N: AG CI MO TU A: IS LE SY TR **Records in Turkey:** TR-A: BAL, IST, IZM **Remarks:** The species has been recorded only from 2 Turkish regions as Aegean Region and Marmara Region until now. **Chorotype:** Europeo-Mediterranean

***P. malvae* (Illiger, 1807)**

***P. m. malvae* (Illiger, 1807)**

Range: E: AB AL AU BH BU BY CR CZ FR GE GG GR HU IT LU MA MC PL PT RO RU SK SL SP ST SZ TR UK YU A: CY IN IQ IS JO SY TR **Records in Turkey:** TR-A: ANK, ANT, ART, BRS, ESK, EZU, GIR, IGD, ISP, IST, IZM, KAY, KON, MAN, MER, NIG, OSM, SIV – TR-E: KRK **Remarks:** The subspecies is rather widely distributed in Turkey. It has been recorded only from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** C and E-European

***P. menetriesii* (Faldermann, 1837)**

Range: E: AB AL AU BH BU CR CZ FR GE GR HU IT MC PT RO RU SK SL SP ST TR UK YU A: IQ KI KZ TM TR UZ XIN **Records in Turkey:** TR-A: AFY, AGR, AKS, ANK, ANT, BAL, BRS, EZU, IGD, ISP, IZM, KAY, KON, KRS, KSH, MUG, ORD – TR-E: EDI **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-European

Genus *Psylliodes* Latreille, 1825**Subgenus *Minicnema* Nadein, 2007*****P. elliptica* Allard, 1861****Range: A:** IS JO SY TR **Records in Turkey:** TR-A: BUR, KAR, KON, KUT, MER**Remarks:** The species has been recorded only from 3 Turkish regions as Aegean Region, Central Anatolian Region and Mediterranean Region until now. **Chorotype:** E-Mediterranean (Palaestino-Taurian)**Subgenus *Psylliodes* Latreille, 1825*****P. aerea* Foudras, 1860****Range: E:** AR AU BE BU CZ FR GE HU IT RO SK SP UK **Records in Turkey:** TR-A:ANT, BUR, ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** C and E-European***P. affinis* (Paykull, 1799)****Range: E:** AB AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LS LT LU MCMD NL NR PL PT RO RU SK SL SP SV SZ UK YU **N:** MO **A:** ES KZ TR **Records in Turkey:** TR-A: HAT **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Palearctic***P. anatolica* Gök & Çilbıroğlu, 2004****Range: A:** TR **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Anatolian***P. arista* Iablokoff-Khnzorian, 1962****Range: E:** AR GG ST **A:** IN TR **Records in Turkey:** TR-A: ANK, ART, EZU, KRS**Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Central Anatolian Region and Eastern Anatolian Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian)***P. attenuata* (Koch, 1803)****Range: E:** AB AU BE BH BU CR CZ FI FR GB GE GR HU IR IT LA LT LU MD NL PL RORU SK SL SP SV SZ UK YU **A:** ES FE GUI HEI JA KI KZ MG SHA SHX TAI TR UZ "Korea" "Manchuria" **Records in Turkey:** TR-A: ADA, AKS, ANK, ART, ESK, EZU, KAY, KON, MER, NIG **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Asiatic-European***P. brisouti* Bedel, 1898****Range: E:** AL AU BU CR CZ FR GE GR HU IT MC NR PL RO SK SL SP SV SZ UK YU **A:**TR **Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** C and E-European***P. cerenae* Gök, Doguet & Çilbıroğlu, 2003****Range: A:** TR **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Anatolian***P. chalcomera* (Illiger, 1807)****Range: E:** AB AL AU BE BH BU BY CR CZ DE EN FR GB GE GR HU IT LA LT LU MC NLPL PT RO RU SK SL SP ST SV SZ TR UK YU **N:** AG MO TU **A:** CY ES FE HEI IN IS KI KZ SY TR **NAR Records in Turkey:** TR-A: ADA, ANK, ANT, BAY, BUR, ESK, EZU, HAT, ISP, IST, IZM, KON, KSH, NEV, OSM, SIV, YOZ – TR-E: EDI **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Holarctic

P. chrysocephala* (Linnaeus, 1758)**P. c. chrysocephala* (Linnaeus, 1758)**

Range: E: AB AL AR AU AZ BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LS LT LU MA MC MD NL NR PL PT RO RU SK SL SP SV SZ TR UK YU N: AG MO MR TU A: CY IN IS JO LE SY TR AFR NAR **Records in Turkey:** TR-A: ADA, AFY, AKS, ANK, ANT, BAL, BIL, EZU, ESK, HAT, ISP, IST, IZM, KAY, KOC, KON, MER, NEV, NIG, SAM **Remarks:** The subspecies is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Holarctic + Afrotropical

***P. circumdata* (Redtenbacher, 1842)**

Range: E: AB AU BH BU CR FR GE GG GR HU IT MC PL RO RU SK SL SP UK YU N: AG LB MO TU A: CY IN IS LE SY TR **Records in Turkey:** TR-A: AMA, ANK, ANT, ERZ, ESK, EZU, ISP, IZM, KON **Remarks:** The subspecies is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean

***P. cuprea* (Koch, 1803)**

Range: E: AB AL AR AU BE BH BU BY CR CZ DE EN FR GB GE GG GR HU IT LS LT LU MA MC MD NL PL PT RO RU SK SL SP SV SZ TR UK YU N: AG MO TU A: CY ES IN IS JO KI KZ LE MG SY TM TR **Records in Turkey:** TR-A: ADA, AKS, ANT, ART, BRS, ERZ, EZU, ISP, IST, IZM, KRS, MER, NIG, ORD, SAM, TRA **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from South-Eastern Anatolian Region until now. **Chorotype:** Palearctic

***P. diversicolor* Nadein, 2006**

Range: A: TR **Records in Turkey:** TR-A: ANT, ISP, KAR **Remarks:** The endemic species has been recorded only from 2 Turkish regions as Central Anatolian Region and Mediterranean Region until now. **Chorotype:** Anatolian

***P. dogueti* Warchałowski, 1993**

Range: A: TR **Records in Turkey:** TR-A: GUM **Remarks:** The endemic species has been recorded only from Black Sea Region in Turkey until now. **Chorotype:** Anatolian

***P. drusei* Furth, 1983**

Range: A: IS **Records in Turkey:** TR-A: ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** E-Mediterranean (Palaestino-Taurian)

***P. dulcamarae* (Koch, 1803)**

Range: E: AB AL AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IR IT LA LT LU NL PL PT RO RU SK SL SP SV SZ UK YU A: ES KZ MG TR **Records in Turkey:** TR-A: ANK, KSH **Remarks:** The species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** Sibero-European

***P. gibbosa* Allard, 1860**

Range: E: CR FR IT MC SL SP SZ N: AG MO A: IS TR **Records in Turkey:** TR-A: ANT **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Mediterranean

***P. hospes* Wollaston, 1854**

Range: E: FR IT SP N: AG CI MO MR TU A: AE IS SA SI **Records in Turkey:** TR-A: ANT, ISP **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Mediterranean + Saharo-Sahale-Arabian

***P. hyoscyami* (Linnaeus, 1758)**

Range: E: AB AR AU BE BH BU CR CZ DE EN FI FR GB GE GR HU IT LA LT LU NL NR PL RO RU SK SP ST SV SZ UK YU **A:** CY ES FE IQ IS JO KI KZ SY TR UZ **Records in Turkey:** TR-A: ADA, AKS, ANT, BAY, EZU, ISP, HAT, KAR, KON, MER, NIG, OSM, SIV **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Sibero-European

***P. illyrica* Leonardi & Gruev, 1993**

Range: E: RO SK UK YU **A:** TR **Records in Turkey:** TR-A: MER **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** E-European

***P. inflata* Reiche & Saulcy, 1858**

Range: E: FR IT MA PT SP **N:** AG LB MO TU **A:** IN IQ IS JO **Records in Turkey:** TR-A: ADA, ANT, DIY, ERZ, GAZ, MER, OSM, URF **Remarks:** The species has been recorded only from 3 Turkish regions as Eastern Anatolian Region, Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** Mediterranean

***P. instabilis* Foudras, 1860**

Range: E: AU BE BH BU CR CZ FR GE GG GR HU IT MC PL RO RU SK SP SZ UK **N:** AG MO TU **A:** CY IS TR **Records in Turkey:** TR-A: AMA, ANK, ANT, BUR, DEN, DIY, EZU, ISP, IZM **Remarks:** The species is rather widely distributed in Turkey. It has been recorded from 6 Turkish regions. But it has not been recorded only from Marmara Region until now. **Chorotype:** Europeo-Mediterranean

***P. isatidis* Heikertinger, 1913**

Range: E: AU BE BU CR CZ FR GE GR HU IT LS LU MC RO RU SK SZ UK YU **A:** ES IN KZ MG TR UZ **Records in Turkey:** TR-A: AMA, ERZ, EZU, ISP **Remarks:** The species has been recorded only from 3 Turkish regions as Black Sea Region, Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** Sibero-European

***P. kiesenwetteri* Kutschera, 1864**

Range: E: AL AU BH BU CR GR HU IT MC SL TR YU **A:** TR **Records in Turkey:** TR-A: ANT, ISP, MAR, MER **Remarks:** The species has been recorded only from 2 Turkish regions as Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** C and SE-European

***P. littoralis* Biondi, 1997**

Range: A: CY TR **Records in Turkey:** TR-A: MUG **Remarks:** The species has been recorded only from Aegean Region in Turkey until now. **Chorotype:** E-Mediterranean (Cyprito-Taurian)

***P. longicollis* Weise, 1900**

Range: E: AB AR GG ST **Records in Turkey:** TR-A: Northeast Turkey **Remarks:** Provincial distribution of the species is unknown. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***P. luteola* (Müller, 1776)**

Range: E: AB AU BE BH BU CR CZ FR GB GE GR HU IT LA LU NL PL RO RU SK SP SZ UK **N:** AG MO **A:** CY IN LE SY TR **Records in Turkey:** TR-A: ANK, ANT, BIL, EZU, KAY, MER **Remarks:** The species has been recorded only from 4 Turkish regions. But it has not been recorded from Aegean Region, Black Sea Region and South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean

***P. magnifica* Gruev, 1975**

Range: E: BU GR **A:** TR **Records in Turkey:** TR-A: BAT, DIY, ISP **Remarks:** The species has been recorded only from 2 Turkish regions as Mediterranean Region and South-

Eastern Anatolian Region until now. **Chorotype:** Turano-Mediterranean (Balkano-Anatolian)

***P. marcida* (Illiger, 1807)**

Range: E: AZ BE BU CR DE EN FI FR GB GE GG GR IT LA NL NR PL PT RU SP SV UK N: AG MO TU A: CY IS LE TR **Records in Turkey:** TR-A: DEN, EZU **Remarks:** The species has been recorded only from 2 Turkish regions as Aegean Region and Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean

***P. milleri* Kutschera, 1864**

***P. m. milleri* Kutschera, 1864**

Range: E: GR IT SP A: CY TR **Records in Turkey:** TR-A: ANT **Remarks:** The subspecies has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** S-European

***P. napi* (Fabricius, 1792)**

Range: E: AB AL AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LS LT LU MA MD NL NR PL PT RO RU SK SL SP SV SZ TR UK YU N: AG MO A: ES KZ TR **NAR** **Records in Turkey:** TR-A: ADA, ANK, ANT, EZU, ISP, KAY, MAN, MER, ORD **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Holarctic

***P. ozisiki* Leonardi & Arnold, 1995**

Range: E: AR A: TR **Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***P. pallidicolor* Pic, 1903**

Range: E: BU GR SP N: AG A: IQ IS LE SY TR **Records in Turkey:** TR-A: AMA, ANT, MER **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Mediterranean Region until now. **Chorotype:** Mediterranean

***P. pallidicornis* Heikertinger, 1921**

Range: E: AR ST A: TM **Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Turanian + SW-Asiatic (Anatolo-Caucasian)

***P. persica* Allard, 1867**

Range: E: AB ST A: AF IQ JO KZ SA SY TD TM UZ **Records in Turkey:** TR-A: MAR, SIR **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic + SW-Asiatic (Anatolo-Caucasian + Irano-Caucasian + Irano-Anatolian)

***P. picina* (Marsham, 1802)**

Range: E: AU BE BH BU BY CR CZ DE EN FI FR GB GE HU IR IT LU NL NR PL RO RU SK SL SP SV SZ UK **Records in Turkey:** TR-A: MER **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** European

***P. pyritosa* Kutschera, 1864**

Range: E: AU BH CR FR GR IT SP YU N: CI MR **AFR** **Records in Turkey:** TR-A: GAZ, MER, OSM **Remarks:** The species has been recorded only from 2 Turkish regions as Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** Europeo-Mediterranean + Afrotropical

***P. ridenda* Nadein, 2008**

Range: A: TR **Records in Turkey:** TR-A: ADI, ANT, HAT, MAR **Remarks:** The endemic

species has been recorded only from 2 Turkish regions as Mediterranean Region and South-Eastern Anatolian Region until now. **Chorotype:** Anatolian

***P. saulcyi* Allard, 1867**

Range: E: CT SK UK N: EG A: AE CY IN IQ IS JO KZ MG SY TR **Records in Turkey:** TR-A: ERZ **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** Turano-Mediterranean + SW-Asiatic

***P. taurica* Leonardi, 1971**

Range: A: TR **Records in Turkey:** TR-A: ADA, KON **Remarks:** The endemic species has been recorded only from 2 Turkish regions as Central Anatolian Region and Mediterranean Region until now. **Chorotype:** Anatolian

***P. testaceoconcolor* Heikertinger, 1926**

Range: E: AB A: CY IS LE TR **Records in Turkey:** TR-A: ANT, ERZ **Remarks:** The species has been recorded only from 2 Turkish regions as Eastern Anatolian Region and Mediterranean Region until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian) + E-Mediterranean (Palaestino-Taurian)

***P. thlaspi* Foudras, 1860**

Range: E: AN AU BE BU CR CZ FR GE GR HU IT MC MD PL RO SK SL SP ST SZ UK YU A: TR **Records in Turkey:** TR-A: EZU, IZM **Remarks:** The species has been recorded only from 2 Turkish regions as Aegean Region and Eastern Anatolian Region until now. **Chorotype:** C and E-European

***P. toelgi* Heikertinger, 1914**

Range: E: AU CR CZ FR GE HU IT RO SK SL SP SZ UK YU **Records in Turkey:** TR-A: ANT **Remarks:** The species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** C and E-European

***P. tricolor* Weise, 1888**

Range: E: AB AR AU BU BY CZ DE EN FI FR GB GE GG GR HU IT LT MC MD NR PL RO RU SK SP SV SZ UK N: MO A: AF ES IN IS KI KZ LE TD TM TR UZ **Records in Turkey:** TR-A: AKS, ANK, ANT, ART, BAY, DIY, ERZ, ESK, EZU, HAT, ISP, KON, KAY, KSH, NEV, NIG, OSM, SAM **Remarks:** The species is probably rather widely distributed in Turkey. It has been recorded from 5 Turkish regions. But it has not been recorded only from Marmara Region and South-Eastern Anatolian Region until now. **Chorotype:** Centralasiatic-Europeo-Mediterranean

***P. valida* Weise, 1889**

Range: E: GG ST A: TR **Records in Turkey:** TR-A: EZU **Remarks:** The species has been recorded only from Eastern Anatolian Region in Turkey until now. **Chorotype:** SW-Asiatic (Anatolo-Caucasian)

***P. vindobonnensis* Heikertinger, 1914**

Range: E: AU CR CZ FR GE IT SK SP SZ UK A: TR **Records in Turkey:** TR-A: KON **Remarks:** The species has been recorded only from Central Anatolian Region in Turkey until now. **Chorotype:** C and E-European

***P. wachsmanni* Csiki, 1903**

Range: E: AL BH CR IT SL TR YU A: CY JO **Records in Turkey:** TR-E **Remarks:** Provincial distribution of the species is unknown. **Chorotype:** SE-European

***P. yalvacensis* Gök, 2005**

Range: A: TR **Records in Turkey:** TR-A: ISP **Remarks:** The endemic species has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** Anatolian

Subgenus *Semicnema* Weise, 1888***P. reitteri* Weise, 1888*****P. r. reitteri* Weise, 1888****Range:** E: AU BH BU CZ GE HU SK ST UK A: TR **Records in Turkey:** TR-A: ISP**Remarks:** The subspecies has been recorded only from Mediterranean Region in Turkey until now. **Chorotype:** C and E-European**Genus *Sphaeroderma* Stephens, 1831*****S. rubidum* (Graells, 1858)****Range:** E: AL AU BE BH BY CR CZ DE FR GB GE GR HU IT LS LT LU MA MD NL PL PT RO SK SL SP ST SV TR UK YU N: AG MO MR TU A: CY IS TR **Records in Turkey:** TR-A: IST, IZM, ORD **Remarks:** The species has been recorded only from 3 Turkish regions as Aegean Region, Black Sea Region and Marmara Region until now. **Chorotype:** Europeo-Mediterranean***S. testaceum* (Fabricius, 1775)****Range:** E: AB AL AU BE BH BU BY CR CZ DE EN FI FR GB GE GR HU IT LA LU MC NL NR PL RO RU SK SL SP SV SZ UK YU A: CY **NAR Records in Turkey:** TR-A: BOL, DUZ, OSM **Remarks:** The species has been recorded only from 2 Turkish regions as Black Sea Region and Mediterranean Region until now. **Chorotype:** European + Nearctic**ZOOGEOGRAPHICAL ANALYSIS**

Turkish Alticinae includes 340 species group taxa (311 species + 29 subspecies) of 22 genera. 41 species group taxa, namely 12.06 % of the species group taxa have "Anatolian" chorotype. 36 species group taxa, namely 10.59 % of the species group taxa have "Sibero-European" chorotype. 35 species group taxa, namely 10.29 % of the species group taxa have "C and E-European" chorotype. 26 species group taxa, namely 7.65 % of the species group taxa have "SW-Asiatic" chorotype. 23 species group taxa, namely 6.77 % of the species group taxa have "Europeo-Mediterranean" chorotype. 22 species group taxa, namely 6.47 % of the species group taxa have "Turano-Mediterranean" chorotype. 16 species group taxa, namely 4.70 % of the species group taxa have "E-Mediterranean" chorotype. 16 species group taxa, namely 4.70 % of the species group taxa have "European" chorotype. 14 species group taxa, namely 4.12 % of the species group taxa have "Mediterranean" chorotype. 14 species group taxa, namely 4.12 % of the species group taxa have "Palearctic" chorotype. 8 species group taxa, namely 2.35 % of the species group taxa have "Centralasiatic-European" chorotype. 6 species group taxa, namely 1.77 % of the species group taxa have "Centralasiatic-Mediterranean" chorotype. 6 species group taxa, namely 1.77 % of the species group taxa have "Sibero-European + Nearctic" chorotype. 5 species group taxa, namely 1.47 % of the species group taxa have "E-European" chorotype. 5 species group taxa, namely 1.47 % of the species group taxa have "Holarctic" chorotype. 4 species group taxa, namely 1.18 % of the species group taxa have "Centralasiatic-Europeo-Mediterranean" chorotype. 4 species group taxa, namely 1.18 % of the species group taxa have "Centralasiatic + SW-Asiatic" chorotype. 3 species group taxa, namely 0.88 % of the species group taxa have "Asiatic-European" chorotype. 3 species group taxa, namely 0.88 % of the species group taxa have "Asiatic + SW-Asiatic" chorotype. 3 species group taxa, namely 0.88 % of the species group taxa have "Europeo-Mediterranean or W-Palearctic + Afrotropical" chorotype. 3 species group taxa, namely 0.88 % of the species group taxa have "Holarctic + Afrotropical" chorotype. 3 species group taxa, namely 0.88 % of the species group taxa have "S-European" chorotype. 3 species group taxa, namely 0.88 % of the species group taxa have "SE-European" chorotype. 2 species group taxa, namely

0.59 % of the species group taxa have “Asiatic-European + Oriental” chorotype. 2 species group taxa, namely 0.59 % of the species group taxa have “European + Nearctic” chorotype. 2 species group taxa, namely 0.59 % of the species group taxa have “Sibero-European + Oriental” chorotype. 2 species group taxa, namely 0.59 % of the species group taxa have “Turano-European” chorotype. And each of the remaining 33 species group taxa has a different chorotype. One species group taxa, namely about 0.29 % of the taxa has “Afrotropico-Mediterranean” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Afrotropica-Mediterranean + Centralasiatic-European” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Afrotropico-Mediterranean + European” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Asiatic-European + Australian + Nearctic” chorotype. One species group taxa, namely about 0.29 % of the taxa has “C and E-European + Nearctic” chorotype. One species group taxa, namely about 0.29 % of the taxa has “C and SE-European” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Centralasiatic + Anatolian” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Centralasiatic + E-European” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Centralasiatic-E-Mediterranean” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Centralasiatic-Euro-Mediterranean + Afrotropical” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Centralasiatic-Mediterranean + Australian” chorotype. One species group taxa, namely about 0.29 % of the taxa has “E-Mediterranean + SW-Asiatic” chorotype. One species group taxa, namely about 0.29 % of the taxa has “European + Indian” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Europeo-Mediterranean or W-Palearctic + Nearctic” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Europeo-Mediterranean or W-Palearctic + Oriental” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Europeo-Mediterranean + Afrotropical + Australian” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Holarctic + Australian” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Mediterranean + Saharo-Sahale-Arabian” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Saharo-Turano-Sindian + Mediterranean” chorotype. One species group taxa, namely about 0.29 % of the taxa has “S and E-European” chorotype. One species group taxa, namely about 0.29 % of the taxa has “S-European” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Sibero-European + Afrotropical” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Sibero-European + Arabian” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Sibero-European + Australian” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Sibero-European + Nearctic + Australian” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Subcosmopolitan” chorotype. One species group taxa, namely about 0.29 % of the taxa has “SW-Asiatic + E-European” chorotype. One species group taxa, namely about 0.29 % of the taxa has “SW-Asiatic + E-Mediterranean” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Turanian + SW-Asiatic” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Turano-Mediterranean + Nearctic + Neotropical” chorotype. One species group taxa, namely about 0.29 % of the taxa has “Turano-Mediterranean + SW-Asiatic” chorotype. One species group taxa, namely about 0.29 % of the taxa has “W-Palearctic” chorotype. One species group taxa, namely about 0.29 % of the taxa has “W-Palearctic + Afrotropical + Nearctic” chorotype (Fig. 1). So the dominant chorotype for

Turkish Alticinae is "Anatolian". "Sibero-European" and "C and E-European" chorotypes follow it. Also the members of "SW-Asiatic", "Europeo-Mediterranean" and also "Turano-Mediterranean" chorotypes present important contributions for Turkish fauna.

For zoogeographical evaluation, the all known species group taxa of Turkish Alticinae are presented as follows:

A total of 41 species group taxa have "Anatolian" chorotype as *A. byzantica*, *A. osmanica*, *A. anatolica*, *A. caria*, *A. curda*, *A. iconiensis*, *A. antiocha*, *A. turcica*, *A. whiteheadi*, *A. bulgharensis*, *A. pontica*, *A. alanyensis*, *A. bergeali*, *A. bergealoides*, *A. crassicornis*, *A. warchalowskii*, *L. angelikae*, *L. artvinus*, *L. audisioi*, *L. kopdagiensis*, *L. latens*, *L. manfredi*, *L. ozbeki*, *L. aubozaorum*, *L. hittita*, *L. iconiensis*, *M. turcica*, *O. loebli*, *O. olympica*, *O. oselliana*, *P. bolognai*, *P. oltuensis*, *P. ozbeki*, *P. toelgi*, *P. anatolica*, *P. cerenae*, *P. diversicolor*, *P. dogueti*, *P. ridenda*, *P. taurica* and *P. yalvacensis*.

A total of 36 species group taxa have "Sibero-European" chorotype as *A. b. brevicollis*, *A. t. tamaricis*, *A. franzi*, *A. gracilis*, *A. semicyanea*, *A. violacea*, *C. mannerheimii*, *C. obesa*, *C. sahlbergii*, *C. picipes*, *C. s. semicoerulea*, *C. tibialis*, *C. aurata*, *C. aurea*, *C. fulvicornis*, *C. nitudula*, *D. rufipes*, *D. depressiuscula*, *E. pubescens*, *H. modeeri*, *L. curtus*, *L. holsaticus*, *L. melanocephalus*, *L. minimus*, *L. nasturtii*, *L. suturellus*, *L. anchusae*, *L. weisei*, *M. rustica*, *N. ferruginea*, *N. motschulskii*, *P. ochripes*, *P. tetrastigma*, *P. dulcamarae*, *P. hyoscyami* and *P. isatidis*.

A total of 35 species group taxa have "C and E-European" chorotype as *A. cornivorax*, *A. impressicollis*, *A. q. quercetorum*, *A. atrovirens*, *A. lacertosa*, *A. ovata*, *C. lamina*, *D. cryptocephala*, *D. rugulosa*, *D. f. femoralis*, *D. schillingi*, *L. brisouti*, *L. celticus*, *L. helvolus*, *L. l. personatus*, *L. linnaei*, *L. nimrodi*, *L. noricus*, *L. pulmonariae*, *L. salviae*, *L. substriatus*, *L. f. fuscoaeus*, *L. pinguis*, *N. crassicornis*, *N. nigritula*, *P. acutecarinata*, *P. astrachanica*, *P. ganglbaueri*, *P. m. malvae*, *P. aerea*, *P. brisouti*, *P. thlaspis*, *P. toelgi*, *P. vindobonnensis* and *P. r. reitteri*.

A total of 26 species group taxa have "SW-Asiatic" chorotype as *A. delagrangi*, *A. pubipennis*, *A. ancycensis*, *A. globicollis*, *A. hampei*, *A. talyshana*, *D. kralii*, *D. tricolor*, *D. zangezurica*, *E. dieckmanni*, *L. bytinskii*, *L. georgianus*, *L. karlheinzi*, *L. ledouxi*, *L. s. dichrous*, *L. trepidus*, *L. lederi*, *P. caucasicola*, *P. egridirensis*, *P. lorestanica*, *P. maculicornis*, *P. sisymbrii*, *P. arista*, *P. longicollis*, *P. ozisiki* and *P. valida*.

A total of 23 species group taxa have "Europeo-Mediterranean" chorotype as *A. a. ampelophaga*, *A. atrocaerulea*, *A. nigriceps*, *A. pygmaea*, *C. arenacea*, *C. arida*, *C. procerula*, *C. chlorophana*, *C. scheffleri*, *D. occultans*, *D. timida*, *E. atropae*, *L. callidus*, *L. cerinthes*, *L. gracilis*, *L. membranaceus*, *L. nanus*, *P. circumdata*, *P. fuscicornis*, *P. instabilis*, *P. luteola*, *P. marcida* and *S. rubidum*.

A total of 22 species group taxa have "Turano-Mediterranean" chorotype as *A. serbica*, *A. graeca*, *A. jarmilae*, *A. maculata*, *A. valachica*, *B. fallax*, *B. olexai*, *C. imitatrix*, *C. coyei*, *C. orientalis*, *E. caucasica*, *L. barbarae*, *L. jailensis*, *L. solaris*, *L. anatolicus*, *L. c. corynthius*, *M. cylindrica*, *N. i. obtusangula*, *P. bulgarica*, *P. judaea*, *P. pontoaegica* and *P. magnifica*.

A total of 16 species group taxa have "E-Mediterranean" chorotype as *A. turcicus*, *A. bonvouloiri*, *A. kuntzei*, *A. rhodiensis*, *A. syriaca*, *D. phoenicia*, *D. rufofemorata*, *L. allotrophus*, *L. aramaicus*, *L. hermonensis*, *L. meridionalis*, *L. truncatellus*, *O. delagrangi*, *P. elliptica*, *P. drusei* and *P. littoralis*.

A total of 16 species group taxa have "European" chorotype as *A. longicollis*, *A. lythri*, *A. venustula*, *C. aerea*, *C. confusa*, *C. subcoerulea*, *D. cynoglossi*, *H.*

mercurialis, *L. minusculus*, *L. niger*, *L. obliteratedus*, *L. quadriguttatus*, *L. reichei*, *M. mathewsii*, *N. transversa* and *P. picina*.

A total of 14 species group taxa have "Mediterranean" chorotype as *A. carbonaria*, *C. delarouzei*, *D. numidica*, *L. australis*, *L. baeticus*, *L. juncicola*, *L. obliteratedoides*, *L. s. stragulatus*, *L. onosmae*, *P. fallaciosa*, *P. v. variipennis*, *P. gibbosa*, *P. inflata* and *P. pallidicolor*.

A total of 14 species group taxa have "Palearctic" chorotype as *A. euphorbiae*, *C. hortensis*, *C. major*, *L. atricillus*, *L. ballotae*, *L. foudrasi*, *L. kutscherai*, *L. longipennis*, *L. n. nigrofasciatus*, *L. parvulus*, *L. t. tabidus*, *P. atra*, *P. affinis* and *P. cuprea*.

A total of 8 species group taxa have "Centralasiatic-European" chorotype as *C. montenegrina*, *L. absynthii*, *L. medvedevi*, *L. picicollis*, *P. balcanica*, *P. diademata*, *P. e. erysimi* and *P. menetriesii*.

A total of 6 species group taxa have "Centralasiatic-Mediterranean" chorotype as *A. flaviceps*, *E. abeillei*, *L. a. alfierii*, *L. fallax*, *L. rectilineatus* and *P. corrugata*.

A total of 6 species group taxa have "Sibero-European + Nearctic" chorotype as *A. carduorum*, *A. nigriscutis*, *L. ganglbaueri*, *L. l. luridus*, *L. rubiginosus* and *P. vittula*.

A total of 5 species group taxa have "E-European" chorotype as *A. konstantinovi*, *A. rugipennis*, *D. carpathica*, *P. fornuseki* and *P. illyrica*.

A total of 5 species group taxa have "Holarctic" chorotype as *C. concinna*, *L. pellucidus*, *L. succineus*, *P. chalcomera* and *P. napi*.

A total of 4 species group taxa have "Centralasiatic-European-Mediterranean" chorotype as *A. palustris*, *L. aeneicollis*, *P. n. nigripes* and *P. tricolor*.

A total of 4 species group taxa have "Centralasiatic + SW-Asiatic" chorotype as *C. igori*, *L. eminus*, *P. pallidipennis* and *P. persica*.

A total of 3 species group taxa have "Asiatic-European" chorotype as *C. breviscula*, *C. nigricoxis* and *P. attenuata*.

A total of 3 species group taxa have "Asiatic + SW-Asiatic" chorotype as *A. deserticola*, *L. violentus* and *P. praticola*.

A total of 3 species group taxa have "Europeo-Mediterranean or W-Palearctic + Afrotropical" chorotype as *O. ventralis*, *P. pyritosa* and *L. strigicollis*.

A total of 3 species group taxa have "Holarctic + Afrotropical" chorotype as *L. pratensis*, *P. cruciferae* and *P. c. chrysocephala*.

A total of 3 species group taxa have "S-European" chorotype as *A. aeneomicans*, *L. a. furthi* and *L. e. rufulus*.

A total of 3 species group taxa have "SE-European" chorotype as *P. dacica*, *P. vilis* and *P. wachsmanni*.

A total of 2 species group taxa have "Asiatic-European + Oriental" chorotype as *A. abdominalis* and *L. lewisii*.

A total of 2 species group taxa have "European + Nearctic" chorotype as *A. cyparissiae* and *S. testaceum*.

A total of 2 species group taxa have "Sibero-European + Oriental" chorotype as *C. aridula* and *L. scutellaris*.

A total of 2 species group taxa have "Turano-European" chorotype as *L. bertii* and *L. e. exsoletus*.

One species as *A. fuentei* has "Afrotropico-Mediterranean" chorotype.

One species as *C. conducta* has "Afrotropico-Mediterranean + Centralasiatic-European" chorotype.

One species as *L. lycopi* has "Afrotropico-Mediterranean + European" chorotype.

One species as *A. o. oleracea* has “Asiatic-European + Australian + Nearctic” chorotype.

One species as *A. flava* has “C and E-European + Nearctic” chorotype.

One species as *P. kiesenuetteri* has “C and SE-European” chorotype.

One species as *L. corpulentus* has “Centralasiatic + Anatolian” chorotype.

One species as *P. reitteri* has “Centralasiatic + E-European” chorotype.

One species as *P. lativittata* has “Centralasiatic-E-Mediterranean” chorotype.

One species as *P. procera* has “Centralasiatic-Europeo-Mediterranean + Afrotropical” chorotype.

One species as *L. albineus* has “Centralasiatic-Mediterranean + Australian” chorotype.

One species as *A. bicarinata* has “E-Mediterranean + SW-Asiatic” chorotype.

One species as *P. nodicornis* has “European + Indian” chorotype.

One species as *P. punctulata* has “Europeo-Mediterranean or W-Palearctic + Nearctic” chorotype.

One species as *L. o. ochroleucus* has “Europeo-Mediterranean or W-Palearctic + Oriental” chorotype.

One species as *L. echii* has “Europeo-Mediterranean + Afrotropical + Australian” chorotype.

One species as *P. undulata* has “Holarctic + Australian” chorotype.

One species as *P. hospes* has “Mediterranean + Saharo-Sahale-Arabian” chorotype.

One species as *H. ruficollis* has “Saharo-Turano-Sindian + Mediterranean” chorotype.

One species as *E. intermedia* has “S and E-European” chorotype.

One species as *P. m. milleri* has “S-European” chorotype.

One species as *C. phytus* has “Sibero-European + Afrotropical” chorotype.

One species as *A. lutescens* has “Sibero-European + Arabian” chorotype.

One species as *P. nemorum* has “Sibero-European + Australian” chorotype.

One species as *L. jacobaeae* has “Sibero-European + Nearctic + Australian” chorotype.

One species as *P. striolata* has “Subcosmopolitan” chorotype.

One species as *P. wiseana* has “SW-Asiatic + E-European” chorotype.

One species as *P. testaceoconcolor* has “SW-Asiatic + E-Mediterranean” chorotype.

One species as *P. pallidicornis* has “Turanian + SW-Asiatic” chorotype.

One species as *E. hirtipennis* has “Turano-Mediterranean + Nearctic + Neotropical” chorotype.

One species as *P. saulcyi* has “Turano-Mediterranean + SW-Asiatic” chorotype.

One species as *A. nonstriata* has “W-Palearctic” chorotype.

One species as *M. c. chrysanthemii* has “W-Palearctic + Afrotropical + Nearctic” chorotype.

On the other side, Turkish Alticinae includes a total of 340 species group taxa. However, provincial distributions of 9 species group taxa are unknown. So Turkish Alticinae have 2 different evaluations necessarily. But, results of both assessments are the same except the occurrence ratio (Table 1).

For the subfamily Alticinae (according to all species group taxa):

95 species are represented in Marmara Region (28 %)

64 species are represented in Aegean Region (19 %)

208 species are represented in Mediterranean Region (61 %)
152 species are represented in Central Anatolian Region (45 %)
114 species are represented in Black Sea Region (34 %)
177 species are represented in Eastern Anatolian Region (52 %)
25 species are represented in South-Eastern Anatolian Region (7 %)

For the subfamily Alticinae (according to known provincial distribution of 331 species group taxa):

95 species are represented in Marmara Region (29 %)
64 species are represented in Aegean Region (19 %)
208 species are represented in Mediterranean Region (63 %)
152 species are represented in Central Anatolian Region (46 %)
114 species are represented in Black Sea Region (34 %)
177 species are represented in Eastern Anatolian Region (54 %)
25 species are represented in South-Eastern Anatolian Region (8 %)

So Turkish Alticinae that includes a total of 340 species group taxa or 331 species group taxa of which are known provincial distributions in Turkey, are rather widely distributed in all Turkish Regions. The most number of species is represented in Mediterranean Region. Eastern Anatolian Region and Central Anatolian Region follow it respectively. Black Sea Region and Marmara Region are represented with an important number of species respectively. However, Aegean Region and especially South-Eastern Anatolian Region are represented with a little number of species now.

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Table 1. The regional distribution of all known species group taxa of Alticinae in Turkey.

TAXON	R	E	G	I	O	N	S
	MAR	AER	MER	CAR	BSR	EAR	SEAR
Subfamily ALTICINAE							
<i>A. byzantica</i>	+	-	-	-	-	-	-
<i>A. osmanica</i>	-	-	-	-	+	-	-
<i>A. serbica</i>	+	-	-	-	+	-	-
<i>A. anatolica</i>	-	+	+	+	-	-	-
<i>A. caria</i>	-	+	-	-	-	-	-
<i>A. curda</i>	-	-	-	-	-	-	+
<i>A. delagrangei</i>	-	-	+	-	+	-	-
<i>A. iconiensis</i>	-	-	-	+	-	-	-
<i>A. pubipennis</i>	-	-	-	-	-	+	-
<i>A. antiocha</i>	-	-	+	-	-	-	-
<i>A. turcica</i>	-	+	-	-	-	-	-
<i>A. whiteheadi</i>	-	+	+	+	-	-	-
<i>A. a. ampelophaga</i>	-	-	+	+	-	+	-
<i>A. ancyrensis</i>	-	-	+	+	-	+	-
<i>A. bicarinata</i>	+	-	+	+	+	-	-
<i>A. b. brevicollis</i>	+	-	+	+	+	+	-
<i>A. bulgharensis</i>	-	-	+	-	-	-	-
<i>A. carduorum</i>	-	-	-	+	+	+	-
<i>A. cornivorax</i>	+	-	-	-	-	-	-
<i>A. deserticola</i>	-	+	+	+	+	+	+
<i>A. globicollis</i>	+	-	+	-	-	+	-
<i>A. graeca</i>	?	?	?	?	?	?	?
<i>A. hampei</i>	-	-	-	+	+	+	-
<i>A. impressicollis</i>	+	-	+	+	+	+	-
<i>A. jarmilae</i>	-	+	+	+	-	+	-
<i>A. longicollis</i>	-	-	-	+	-	-	-
<i>A. lythri</i>	-	+	+	-	+	+	-
<i>A. o. oleracea</i>	+	-	+	+	+	+	-
<i>A. palustris</i>	+	+	+	+	+	+	-
<i>A. pontica</i>	-	-	-	-	+	-	-
<i>A. q. quercetorum</i>	+	+	+	-	-	-	-
<i>A. talyshana</i>	-	-	-	-	+	+	-
<i>A. t. tamaricis</i>	+	-	+	-	+	+	-
<i>A. turcicus</i>	-	-	+	-	-	-	-
<i>A. abdominalis</i>	?	?	?	?	?	?	?
<i>A. aeneomicans</i>	-	-	+	+	-	-	-
<i>A. alanyensis</i>	-	-	+	-	-	-	-
<i>A. atrocaerulea</i>	-	-	-	-	-	+	-
<i>A. atrovirens</i>	-	-	+	-	-	-	-
<i>A. bergeali</i>	+	-	+	+	-	-	-
<i>A. bergealoides</i>	-	-	+	-	-	-	-
<i>A. bonvouloiri</i>	+	-	+	+	-	+	-
<i>A. carbonaria</i>	-	-	-	-	-	-	+
<i>A. crassicornis</i>	-	-	-	-	-	+	-
<i>A. cyparissiae</i>	-	-	-	+	-	-	-
<i>A. euphorbiae</i>	+	+	+	+	+	+	-
<i>A. flava</i>	-	-	+	-	-	+	-
<i>A. flaviceps</i>	+	-	+	+	-	+	-
<i>A. franzi</i>	-	-	-	+	+	+	-

<i>A. fuentei</i>	-	-	+	+	-	-	-
<i>A. gracilis</i>	-	-	-	+	+	+	-
<i>A. konstantinovi</i>	-	-	-	+	-	-	-
<i>A. kuntzei</i>	-	-	+	+	-	+	-
<i>A. lacertosa</i>	+	-	-	-	-	-	-
<i>A. lutescens</i>	+	-	+	+	-	+	-
<i>A. maculata</i>	-	+	+	-	-	-	+
<i>A. nigriceps</i>	+	-	+	+	-	+	-
<i>A. nigriscutis</i>	-	-	+	+	+	+	-
<i>A. nonstriata</i>	+	-	-	+	+	-	-
<i>A. ovata</i>	+	-	-	-	-	-	-
<i>A. pygmaea</i>	+	+	+	-	-	+	-
<i>A. rhodiensis</i>	-	-	-	-	-	+	-
<i>A. rugipennis</i>	-	-	-	-	-	+	-
<i>A. semicyanea</i>	+	+	-	+	+	+	-
<i>A. syriaca</i>	-	+	-	-	-	+	-
<i>A. valachica</i>	-	-	+	-	-	-	-
<i>A. venustula</i>	+	-	-	+	-	+	-
<i>A. violacea</i>	+	-	-	-	-	-	-
<i>A. warchalowskii</i>	-	-	+	-	-	-	-
<i>B. fallax</i>	+	-	-	+	+	+	-
<i>B. olexai</i>	-	-	-	-	+	-	-
<i>C. aerosa</i>	-	-	-	-	-	+	-
<i>C. arenacea</i>	+	+	+	+	+	+	-
<i>C. arida</i>	-	-	+	-	-	+	-
<i>C. aridula</i>	+	+	-	+	-	+	-
<i>C. confusa</i>	+	-	-	+	+	+	-
<i>C. hortensis</i>	+	+	+	+	+	+	-
<i>C. igori</i>	-	-	-	+	+	+	-
<i>C. imitatrix</i>	-	-	-	+	-	-	-
<i>C. mannerheimii</i>	+	-	-	+	-	-	-
<i>C. montenegrina</i>	-	-	+	+	+	+	-
<i>C. obesa</i>	+	-	-	+	+	+	-
<i>C. procerula</i>	+	-	+	+	-	+	-
<i>C. sahlbergii</i>	+	-	+	+	-	+	-
<i>C. subcoerulea</i>	-	-	+	-	-	-	-
<i>C. breviscula</i>	+	-	+	+	-	+	-
<i>C. chlorophana</i>	+	-	+	+	-	+	+
<i>C. concinna</i>	+	-	+	+	+	+	-
<i>C. conducta</i>	+	-	+	+	-	+	-
<i>C. coyei</i>	+	+	+	+	+	+	+
<i>C. delarouzei</i>	-	-	+	-	-	-	-
<i>C. major</i>	+	-	+	+	-	+	-
<i>C. orientalis</i>	+	-	+	+	-	-	-
<i>C. picipes</i>	-	-	-	-	+	-	-
<i>C. scheffleri</i>	+	+	+	+	-	+	-
<i>C. s. semicoerulea</i>	+	-	-	+	+	-	+
<i>C. tibialis</i>	+	+	+	+	+	+	-
<i>C. aurata</i>	+	-	+	+	+	+	-
<i>C. aurea</i>	+	-	+	+	+	+	-
<i>C. fulvicornis</i>	-	-	-	-	+	+	-
<i>C. lamina</i>	+	-	-	+	+	-	-
<i>C. nigricoxis</i>	-	-	-	-	-	+	-
<i>C. nitidula</i>	-	-	-	-	+	-	-
<i>C. plutus</i>	-	-	+	+	+	-	-
<i>D. rufipes</i>	-	-	-	+	+	-	-

<i>D. cryptocephala</i>	-	-	-	-	-	+	-
<i>D. cynoglossi</i>	-	-	+	-	-	+	+
<i>D. depressiuscula</i>	-	-	-	+	+	+	-
<i>D. kralii</i>	-	-	+	-	+	+	-
<i>D. numidica</i>	-	-	+	-	-	-	-
<i>D. occultans</i>	-	-	+	+	+	+	-
<i>D. phoenicia</i>	+	-	+	-	-	-	-
<i>D. rufofemorata</i>	-	-	+	+	-	-	-
<i>D. rugulosa</i>	-	-	+	-	-	+	-
<i>D. timida</i>	-	-	+	-	-	-	-
<i>D. carpathica</i>	-	-	+	+	+	+	-
<i>D. f. femoralis</i>	-	-	-	-	-	-	+
<i>D. schillingi</i>	-	-	+	+	-	+	-
<i>D. tricolor</i>	-	-	+	-	-	+	-
<i>D. zangezurica</i>	-	-	+	+	-	+	-
<i>E. abeillei</i>	-	-	+	-	-	-	-
<i>E. atropae</i>	-	-	-	-	-	+	-
<i>E. caucasica</i>	-	-	-	-	-	+	-
<i>E. dieckmanni</i>	-	-	+	-	-	-	-
<i>E. hirtipennis</i>	-	+	-	-	-	-	+
<i>E. intermedia</i>	-	-	-	-	+	+	-
<i>E. pubescens</i>	+	+	-	+	+	-	-
<i>H. mercurialis</i>	-	-	-	-	+	-	-
<i>H. ruficollis</i>	-	-	+	-	+	-	-
<i>H. modeeri</i>	+	-	-	-	+	-	-
<i>L. absynthii</i>	-	-	-	+	-	-	-
<i>L. aeneicollis</i>	-	+	+	+	-	+	-
<i>L. albineus</i>	-	+	+	+	-	+	-
<i>L. a. alferii</i>	-	-	+	+	-	+	-
<i>L. a. furthi</i>	-	-	+	-	-	+	-
<i>L. allotrophus</i>	-	-	+	-	-	-	-
<i>L. angelikae</i>	-	-	+	-	-	-	-
<i>L. aramaicus</i>	-	-	+	+	-	-	-
<i>L. artvinus</i>	-	-	-	-	+	-	-
<i>L. atricillus</i>	-	+	+	+	+	+	-
<i>L. audisioi</i>	-	-	-	-	+	-	-
<i>L. australis</i>	-	-	+	-	-	-	-
<i>L. baeticus</i>	-	-	+	-	-	-	-
<i>L. ballotae</i>	-	-	+	+	-	+	-
<i>L. barbarae</i>	-	-	+	-	-	-	-
<i>L. bertii</i>	-	-	+	+	+	+	-
<i>L. brisouti</i>	-	-	+	-	-	+	-
<i>L. bytinskii</i>	-	-	+	-	-	+	-
<i>L. callidus</i>	-	-	-	-	-	+	-
<i>L. celticus</i>	-	-	+	-	+	-	-
<i>L. cerinthes</i>	-	-	+	-	-	+	-
<i>L. corpulentus</i>	?	?	?	?	?	?	?
<i>L. curtus</i>	-	-	+	-	-	-	-
<i>L. echii</i>	?	?	?	?	?	?	?
<i>L. eminus</i>	-	-	-	-	-	+	-
<i>L. e. exsoletus</i>	-	-	+	-	-	-	-
<i>L. e. rufulus</i>	+	-	+	+	+	+	-
<i>L. fallax</i>	-	-	-	-	-	-	+
<i>L. foudrasi</i>	-	-	+	-	-	+	-
<i>L. ganglbaueri</i>	-	-	-	-	-	+	-
<i>L. georgianus</i>	?	?	?	?	?	?	?

<i>L. gracilis</i>	-	+	+	+	-	+	-
<i>L. helvolus</i>	-	-	+	-	-	-	-
<i>L. hermonensis</i>	-	-	+	-	+	+	-
<i>L. holsaticus</i>	?	?	?	?	?	?	?
<i>L. jacobaeae</i>	-	-	-	-	+	+	-
<i>L. jällensis</i>	+	-	-	+	-	-	-
<i>L. juncicola</i>	-	-	+	+	+	+	-
<i>L. karlheinzi</i>	-	-	+	-	-	-	-
<i>L. kopdagiensis</i>	-	-	-	-	+	+	-
<i>L. kutscherai</i>	-	-	+	-	-	+	-
<i>L. latens</i>	-	-	-	-	+	-	-
<i>L. l. personatus</i>	-	-	+	-	-	-	-
<i>L. ledouxi</i>	-	-	-	-	+	-	-
<i>L. lewisii</i>	-	-	-	-	+	+	-
<i>L. linnaei</i>	+	+	+	+	+	+	+
<i>L. longipennis</i>	-	-	+	-	-	+	-
<i>L. l. luridus</i>	+	-	+	+	+	+	-
<i>L. lycopi</i>	+	-	+	+	+	+	-
<i>L. manfredi</i>	-	-	+	-	-	-	-
<i>L. medvedevi</i>	-	-	-	-	+	+	-
<i>L. melanocephalus</i>	+	-	+	+	+	+	-
<i>L. membranaceus</i>	-	-	+	-	-	-	-
<i>L. meridionalis</i>	-	-	+	+	-	-	-
<i>L. minimus</i>	-	-	+	-	-	+	-
<i>L. minusculus</i>	-	-	+	-	-	-	-
<i>L. nanus</i>	-	-	+	+	-	+	-
<i>L. nasturtii</i>	-	+	+	-	-	-	-
<i>L. niger</i>	+	-	-	+	-	+	-
<i>L. n. nigrofasciatus</i>	+	-	+	+	+	+	-
<i>L. nimrodi</i>	-	-	+	-	+	+	-
<i>L. noricus</i>	-	-	+	-	-	+	-
<i>L. oblitteratoides</i>	-	-	+	-	-	-	-
<i>L. oblitteratus</i>	+	+	+	-	-	+	-
<i>L. o. ochroleucus</i>	-	+	+	+	-	+	-
<i>L. ozbeki</i>	-	-	-	-	-	+	-
<i>L. parvulus</i>	-	-	+	-	-	+	+
<i>L. pellucidus</i>	-	+	+	+	+	+	-
<i>L. picicollis</i>	-	+	+	+	-	+	-
<i>L. pratensis</i>	+	-	+	+	+	+	-
<i>L. pulmonariae</i>	-	-	+	-	+	-	-
<i>L. quadriguttatus</i>	+	-	-	-	-	+	+
<i>L. rectilineatus</i>	+	-	-	+	-	+	-
<i>L. reichei</i>	-	-	+	-	-	+	-
<i>L. rubiginosus</i>	-	-	-	+	-	-	+
<i>L. salviae</i>	-	-	+	-	+	+	-
<i>L. scutellaris</i>	-	-	+	-	+	+	-
<i>L. solaris</i>	-	-	+	-	-	-	-
<i>L. s. stragulatus</i>	-	-	+	-	-	-	-
<i>L. s. dichrous</i>	-	-	-	-	-	-	+
<i>L. strigicollis</i>	-	-	-	-	+	+	-
<i>L. substriatus</i>	-	+	-	+	-	-	-
<i>L. succineus</i>	+	+	+	+	-	+	-
<i>L. suturellus</i>	-	-	+	+	-	+	+
<i>L. t. tabidus</i>	+	-	+	+	-	+	-
<i>L. trepidus</i>	-	-	+	+	-	+	-
<i>L. violentus</i>	?	?	?	?	?	?	?

<i>L. anatolicus</i>	+	-	+	+	+	+	+
<i>L. anchusae</i>	+	-	+	-	+	+	-
<i>L. aubozaorum</i>	-	-	-	+	-	-	-
<i>L. c. corynthus</i>	-	-	+	-	-	-	-
<i>L. f. fuscoaeneus</i>	-	-	+	+	-	+	-
<i>L. hittita</i>	-	-	-	+	-	+	-
<i>L. iconiensis</i>	-	-	-	+	-	-	-
<i>L. lederi</i>	-	-	-	-	+	-	-
<i>L. onosmae</i>	-	-	+	-	-	-	-
<i>L. pinguis</i>	+	-	+	-	-	-	-
<i>L. truncatellus</i>	-	+	+	-	-	-	-
<i>L. weisei</i>	-	-	-	-	-	+	-
<i>M. c. chrysanthemi</i>	-	+	-	-	-	-	-
<i>M. mathewsii</i>	-	+	+	-	-	-	-
<i>M. rustica</i>	+	-	+	+	-	+	-
<i>M. cylindrica</i>	-	-	-	-	+	-	-
<i>M. turcica</i>	-	-	-	-	+	-	-
<i>N. crassicornis</i>	-	-	+	-	+	+	-
<i>N. ferruginea</i>	+	-	+	+	-	+	-
<i>N. i. obtusangula</i>	-	+	+	-	-	+	-
<i>N. motschulskii</i>	-	-	-	-	-	+	-
<i>N. nigritula</i>	+	-	-	-	-	-	-
<i>N. transversa</i>	+	-	+	+	+	+	-
<i>O. ventralis</i>	+	-	+	+	+	+	-
<i>O. delagrangi</i>	-	-	+	-	-	-	-
<i>O. loebli</i>	-	-	-	-	+	-	-
<i>O. olympica</i>	+	-	-	+	-	-	-
<i>O. oselliana</i>	-	-	-	-	+	-	-
<i>P. acutecarinata</i>	-	-	-	+	-	-	-
<i>P. astrachanica</i>	-	-	+	+	+	-	-
<i>P. atra</i>	+	-	+	+	+	+	-
<i>P. balcanica</i>	+	-	+	-	-	+	-
<i>P. bolognai</i>	-	-	+	-	-	+	-
<i>P. bulgarica</i>	-	-	+	-	-	-	-
<i>P. caucasicola</i>	-	-	-	+	-	-	-
<i>P. corrugata</i>	-	+	+	+	-	-	-
<i>P. cruciferae</i>	+	+	+	+	+	+	-
<i>P. dacica</i>	-	-	+	+	-	-	-
<i>P. diademata</i>	+	-	+	+	-	+	-
<i>P. egridirensis</i>	-	-	+	+	-	-	-
<i>P. e. erysimi</i>	+	+	+	+	+	+	-
<i>P. fallaciosa</i>	-	-	-	+	-	-	-
<i>P. fornuseki</i>	-	-	+	-	-	-	-
<i>P. ganglbaueri</i>	-	-	+	-	-	-	-
<i>P. judaea</i>	-	+	+	-	-	-	-
<i>P. lativittata</i>	-	+	-	-	-	+	-
<i>P. lorestanica</i>	-	-	+	-	-	+	-
<i>P. maculicornis</i>	-	-	+	+	-	-	-
<i>P. nemorum</i>	+	-	+	+	+	+	-
<i>P. n. nigripes</i>	+	+	+	+	+	+	-
<i>P. nodicornis</i>	-	+	+	+	-	+	-
<i>P. ochripes</i>	+	-	-	+	+	-	-
<i>P. oltuensis</i>	-	-	-	-	-	+	-
<i>P. ozbeki</i>	-	-	-	-	+	-	-
<i>P. pallidipennis</i>	-	-	-	+	-	-	-
<i>P. pontoaegica</i>	-	-	+	-	-	-	-

<i>P. praticola</i>	+	-	-	+	-	+	-
<i>P. procera</i>	-	-	+	+	-	+	-
<i>P. punctulata</i>	+	-	+	+	+	-	-
<i>P. reitteri</i>	-	+	-	-	-	-	-
<i>P. sisymbrii</i>	-	-	-	+	-	+	-
<i>P. striolata</i>	+	-	-	-	+	+	-
<i>P. tetrastigma</i>	-	-	-	-	+	+	-
<i>P. toelgi</i>	-	-	-	+	+	-	-
<i>P. undulata</i>	+	-	-	+	-	+	-
<i>P. v. variipennis</i>	+	+	+	+	-	-	-
<i>P. vilis</i>	+	+	+	+	-	-	-
<i>P. vittula</i>	+	+	+	+	-	+	-
<i>P. wiseana</i>	-	-	-	+	+	+	-
<i>P. fuscicornis</i>	+	+	-	-	-	-	-
<i>P. m. malvae</i>	+	+	+	+	+	+	-
<i>P. menetriesii</i>	+	+	+	+	-	+	-
<i>P. elliptica</i>	-	+	+	+	-	-	-
<i>P. aerea</i>	-	-	+	-	-	-	-
<i>P. affinis</i>	-	-	+	-	-	-	-
<i>P. anatolica</i>	-	-	+	-	-	-	-
<i>P. arista</i>	-	-	-	+	+	+	-
<i>P. attenuata</i>	-	-	+	+	+	+	-
<i>P. brisouti</i>	-	-	-	-	-	+	-
<i>P. cerenae</i>	-	-	+	-	-	-	-
<i>P. chalcomera</i>	+	+	+	+	+	+	-
<i>P. c. chrysocephala</i>	+	+	+	+	-	+	-
<i>P. circumdata</i>	-	+	+	+	+	+	-
<i>P. cuprea</i>	+	+	+	+	+	+	-
<i>P. diversicolor</i>	-	-	+	+	-	-	-
<i>P. doqueti</i>	-	-	-	-	+	-	-
<i>P. drusei</i>	-	-	+	-	-	-	-
<i>P. dulcamarae</i>	-	-	-	+	-	-	-
<i>P. gibbosa</i>	-	-	+	-	-	-	-
<i>P. hospes</i>	-	-	+	-	-	-	-
<i>P. hyoscyami</i>	-	-	+	+	+	+	-
<i>P. illyrica</i>	-	-	+	-	-	-	-
<i>P. inflata</i>	-	-	+	-	-	+	+
<i>P. instabilis</i>	-	+	+	+	+	+	+
<i>P. isatidis</i>	-	-	+	-	+	+	-
<i>P. kiesenwetteri</i>	-	-	+	-	-	-	+
<i>P. littoralis</i>	-	+	-	-	-	-	-
<i>P. longicollis</i>	?	?	?	?	?	?	?
<i>P. luteola</i>	+	-	+	+	-	+	-
<i>P. magnifica</i>	-	-	+	-	-	-	+
<i>P. marcida</i>	-	+	-	-	-	+	-
<i>P. m. milleri</i>	-	-	+	-	-	-	-
<i>P. napi</i>	-	+	+	+	+	+	-
<i>P. ozisiki</i>	-	-	-	-	-	+	-
<i>P. pallidicolor</i>	-	-	+	-	+	-	-
<i>P. pallidicornis</i>	-	-	-	-	-	+	-
<i>P. persica</i>	-	-	-	-	-	+	+
<i>P. picina</i>	-	-	+	-	-	-	-
<i>P. pyritosa</i>	-	-	+	-	-	-	+
<i>P. ridenda</i>	-	-	+	-	-	-	+
<i>P. sauleyi</i>	-	-	-	-	-	+	-
<i>P. taurica</i>	-	-	+	+	-	-	-

<i>P. testaceoconcolor</i>	-	-	+	-	-	+	-
<i>P. thlaspis</i>	-	+	-	-	-	+	-
<i>P. toelqi</i>	-	-	+	-	-	-	-
<i>P. tricolor</i>	-	+	+	+	+	+	-
<i>P. valida</i>	-	-	-	-	-	+	-
<i>P. vindobonnensis</i>	-	-	-	+	-	-	-
<i>P. wachsmanni</i>	?	?	?	?	?	?	?
<i>P. yalvacensis</i>	-	-	+	-	-	-	-
<i>P. r. reitteri</i>	-	-	+	-	-	-	-
<i>S. rubidum</i>	+	+	-	-	+	-	-
<i>S. testaceum</i>	-	-	+	-	+	-	-

Abbreviations: MAR: Marmara Region, AER: Aegean Region, MER: Mediterranean Region, CAR: Central Anatolian Region, BSR: Black Sea Region, EAR: Eastern Anatolian Region, SEAR: South-Eastern Anatolian Region.

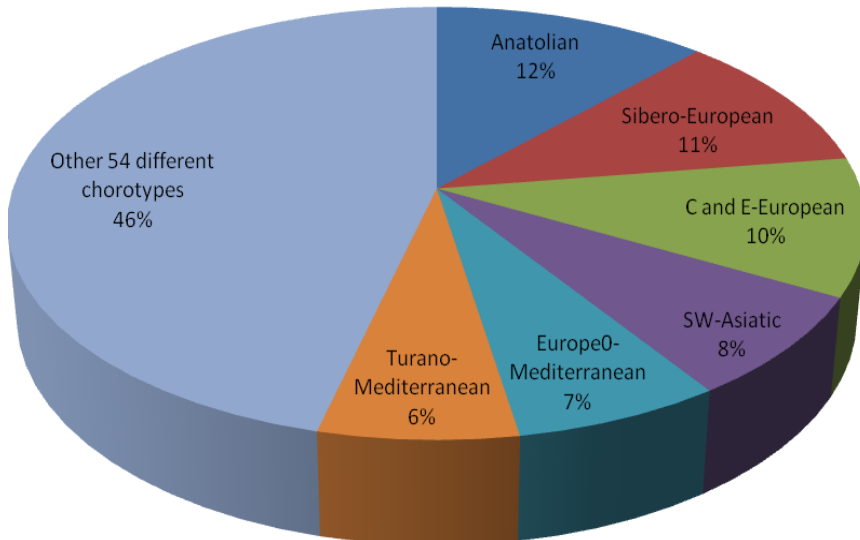


Figure 1. Chorotypical distribution of Turkish Alticinae.