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**Results of the Czech entomological expedition to Iran (2009 - 2010)  
(Coleoptera: Cerambycidae)**

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**Key words:** Coleoptera, Cerambycidae, faunistics, biology, host plants, Iran, Palaearctic region.

**Abstract:** A total of 64 Cerambycidae species were recorded during entomological survey of Iran in May/June 2009 and June 2010. The authors presented distribution range of each species, new faunistic and some biological data. The host plant and some biological data for *Purpuricenus robusticollis* Pic, 1905 are given for the first time.

## INTRODUCTION

The longhorn beetle fauna of Iran has been studied intensively over the past several decades, but is still poorly known.

The paper presents results of the Czech entomological expedition to Iran in May, June 2009 and June 2010. During this expedition were visited many interesting locations in Iran, mainly along Caspian Sea and in the central Zagros mountain range in provinces Lorestan southwards to Fars. An entomological survey was also conducted in province Kerman located in the south-east of Iran.

A total of 64 Cerambycidae species and subspecies were recorded by Czech entomological expedition, including three newly described species: *Molorchus grosseri* Voříšek 2012, *Chlorophorus golestanicus* Voříšek, 2012 and *Semiangusta ambrusi* Danilevsky 2012.

In this paper is presented distribution range of each species, new faunistic and some biological data, established on the basis of our observations.

## **MATERIAL AND METHODS**

The beetles were collected individually, using generally known methods such as beating, sweeping, individual collecting on wood, flower and leaves and used UV light. Much attention has been paid to larvae collecting. Usually, the larvae were allowed to develop in the original substrate.

The adults were determined by Mikhail Leontievitch Danilevsky (Moscow, Russia), Jiří Voříšek (Jirkov, Czech Republic), Tomáš Tichý (Opava, Czech Republic) and by the authors.

### Abbreviations:

FČ – František Černý, Osečná, CZ

RA - Richard Ambrus, Prague, CZ

WG - Walter Grosser, Opava, CZ

**RESULTS**

**Family CERAMBYCIDAE**

**Subfamily Parandrinae**

**Tribe Parandrini**

**1) *Parandra (Archandra) caspia* Ménétríés, 1832**

**Material:** Iran, Mazandaran prov., 20 km S Amol, 36.30N 52.36E, 361 m, 9. 6. 2009, 1 adult attracted by light (WG).

**Distribution:** Palaearctic Region: Asia (Azerbaijan, Iran).

**Subfamily Prioninae**

**Tribe Remphanini**

**2) *Rhaesus serricollis* (Motschulsky, 1838)**

**Material:** Iran, Golestan prov., Golestan NP, Daland near Aliábád, 36.94N 54.96E, 120 m, 13. 6. 2010, 1 adult attracted by light (WG).

**Distribution:** Palaearctic Region: Europe (Albania, Bulgaria, Greece, Macedonia, Montenegro, Russia: South of European Russia and Russian Caucasus, Serbia, Turkey), Asia (Armenia, Azerbaijan, Cyprus, Georgia, Iran, Israel, Lebanon, Syria, Turkey), North Africa (Egypt).

**Tribe Aegosomatini**

**3) *Aegosoma scabricorne* (Scopoli, 1763)**

**Material:** Iran, Gilan prov., Tutkaban near Roodbar, 36.83N 49.66E, 959 m, 5. 6. 2010, 1 adult sitting on a plane tree (*Platanus sp.*) stump (WG); Iran, Golestan prov., 5 km S Azád Shahr, 37.07N 55.27E, 300 m, 10. - 11. 6. 2010, 1 adult sitting on a plane tree (*Platanus sp.*) stump (WG); Iran, Golestan prov., Golestan NP, Daland near Aliábád, 36.94N 54.96E, 120 m, 13. 6. 2010, 1 adult sitting on an oak (*Quercus sp.*) stump (WG).

**Distribution:** Palaearctic Region: Europe (Albania, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Macedonia, ?Moldova, Montenegro, Romania, Russia: South of European Russia and Russian Caucasus, Serbia, Slovakia, Slovenia, Spain, Switzerland, The Netherlands, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Lebanon, Syria, Turkey).

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**Tribe Prionini**

**4) *Prionus coriarius* (Linnaeus, 1758)**

**Material:** Iran, Gilan prov., Tutkabon near Roodbar, 36.83N 49.66E, 959 m, 5. 6. 2010, 2 adults attracted by light (WG).

**Distribution:** Palaearctic Region: Europe (Albania, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, Hungary, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Moldova, Montenegro, Norway, Poland, Portugal, Romania, Russia: European Russia and Russian Caucasus, Serbia, Slovakia, Slovenia, Spain, Switzerland, Sweden, The Netherlands, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, ?Kazakhstan, Russia: West Siberia, Syria, Turkey), North Africa (Algeria, Tunisia).

**5) *Mesoprionus persicus* (Redtenbacher, 1850)**

**Material:** Iran, Fars prov., Dalin, 35 km NW Shiraz, 29.98N 52.17E, 1080 m, 8. 6. 2010, 1 adult attracted by light (WG).

**Distribution:** Palaearctic Region: Asia (Iran, Iraq, Turkey)

**Subfamily Lepturinae**

**Tribe Rhagiini**

**6) *Cortodera pseudomoplus* Reitter, 1889**

**Material:** Iran, Kohgiluyeh and Boyer Ahmad prov., Sisakht env., 30.93N 51.46E, 2194 m, 27. 5. 2009, 1 adult on flowers of *Lepidium sp.* (FČ); Iran, Azerbaijan e Garbi prov., Serou, 37.71N 44.62E, 1650 m, 28. - 30. 5. 2010, 2 adults on flowers of *Lepidium sp.* (WG); Iran, Lorestan prov., Tootmashour, 33.41N 48.90E, 1995 m, 31. 5. 2010, 2 adults on flowers of *Anthemis sp.* (WG); Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 31. 5. 2010, 1 adult on flowers of *Anthemis sp.* (WG).

**Distribution:** Palaearctic Region: Asia (Armenia, Azerbaijan, Iran, Turkmenistan).

**7) *Cortodera syriaca ssp. ?syriaca* Pic, 1901**

**Material:** Iran, Lorestan, 17 km SW Dorud, Tut village env., 1995 m, 3. 6. 2009, 1 adult, by sweeping of vegetation (RA).

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**Distribution:** Palaearctic Region: Asia (Armenia, Azerbaijan, Iran, Lebanon, Syria, Turkey).

### 8) *Cortodera transcaspica ssp. persica* Plavilstshikov, 1936

**Material:** Iran, Kohgiluyeh and Boyer Ahmad prov., Kuh Gol, Sisakht env., 30.84N 51.53E, 2498 m, 27. - 28. 5. 2009, 2 adults on flowers of *Anthemis sp.* (WG); Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 31. 5 - 1. 6. 2009, 3 adults on flowers of *Anthemis sp.* (WG); Iran, Mazandaran prov., Damavand Mts. env., 1400 – 2500 m, 10. 6. 2009, 5 adults on flowers of *Tragopogon sp.* (WG).

**Distribution:** Palaearctic Region: Asia (Iran).

## Tribe Lepturini

### 9) *Vadonia bicolor* (Redtenbacher, 1850)

**Material:** Iran, Fars prov., 28 km SE Yasuj, 2 365 m, 30.48N 51.65E, 29. 5. 2009, 2 adults on flowers of *Onopordum sp.* (RA, WG); Iran, Fars prov., Komehr env., 30.47N 51.86E, 2376 m, 30. 5. 2009, 1 adult on flowers of *Apiaceae* (FČ).

**Distribution:** Palaearctic Region: Asia (Azerbaijan, Iran, Turkey).

### 10) *Anoplodera rufipes ssp. astrabadensis* Pic, 1900

**Material:** Iran, Gilan prov., Tutkabon near Roodbar, 36.83N 49.66E, 959 m, 5. 6. 2009, 2 adults on flowers of *Apiaceae* (FČ, WG); Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 1 adult on flowers of *Apiaceae* (RA).

**Distribution:** Palaearctic Region: Asia (Azerbaijan, Iran)

### 11) *Stictoleptura rufa ssp. rubromarginata* (Plavilstshikov, 1932)

**Material:** Iran, Lorestan, 17 km SW Dorud, Tut village env., 1995 m, 3. 6. 2009, 1 adult on a flowering shrub (*Paliurus spina-christi*), (RA).

**Distribution:** Palaearctic Region: Asia (Iran, Iraq, Turkey)

### 12) *Stictoleptura scutellata ssp. miroshnikovi* Danilevsky, 2012

**Material:** Iran, Mazandaran prov., 20 km S Amol, 36.30N 52.36E, 361 m, 9. 6. 2009, 2 adults on flowers of *Apiaceae* (FČ, WG); Iran, Golestan prov.,



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5 km S Azád Shahr, 37.07N 55.27E, 300 m, 10. - 11. 6. 2010, 1 adult on flowers of *Apiaceae* (WG); Iran, Golestan prov., Golestan NP, 45 km E Minudasht, 37.36N 55.93E, 960 m, 11. 6. 2010, 3 adults on flowers of *Apiaceae* (WG).

**Distribution:** Palaearctic Region: Asia (Azerbaijan, Iran).

### 13) *Stictoleptura tonsa* (K. Daniel et J. Daniel, 1891)

**Material:** Iran, Gilan prov., Tutkabon env., 959 m, 5. 6. 2009, 12 adults on flowers of *Apiaceae* (FČ, RA, WG); Iran, Golestan prov., Golestan NP, 45 km E Minudasht, 37.36N 55.93E, 960 m, 7. 6. 2009, 2 adults on flowers of *Apiaceae* (WG); Iran, Golestan prov., Golestan NP, 60 km E Minudasht, 37.36N 55.93E, 460 m, 7. 6. 2009, 3 adults on flowers of *Rubus sp.* (RA, WG); Iran, Golestan prov., Golestan NP, 10 km SW Minudasht, 37.17N 55.33E, 246 m, 8. 6. 2009, 5 adults on flowers of *Apiaceae*, 2 adults on flowers of *Rubus sp.* (FČ, RA, WG); Iran, Golestan prov., Golestan NP, 45 km E Minudasht, 37.36N 55.93E, 960 m, 11. 6. 2010, 2 adults on flowers of *Apiaceae* (WG); Iran, Tehran prov., 10 km N Gachsar, 36.09N 51.18E, 2800 m, 15. 6. 2010, 2 adults on flowers of *Apiaceae* (WG).

**Distribution:** Palaearctic Region: Europe (Russia: South of European Russia and Russian Caucasus, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Turkey).

### 14) *Rutpela inermis* (K. Daniel et J. Daniel, 1891)

**Material:** Iran, Gilan prov., Tutkabon near Roodbar, 36.83N 49.66E, 959 m, 5. 6. 2010, 5 adults attracted by light (WG).

**Distribution:** Palaearctic Region: Asia (Azerbaijan, Iran, Turkmenistan).

## Subfamily Cerambycinae Tribe Cerambycini

### 15) *Cerambyx cerdo* ?*ssp. acuminatus* Motschulsky, 1852

**Material:** Iran, Gilan prov., Tutkabon env., 959 m, 5. 6. 2009, 2 adults sitting on an oak (*Quercus sp.*) trunk (RA, WG).

**Distribution:** Palaearctic Region: Europe (Russia: South of European Russia and Russian Caucasus, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Iraq, Israel, Jordan, Lebanon, Syria, Turkey).

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**16) *Cerambyx (Microcerambyx) elbursi* Jureček, 1924**

**Material:** Iran, Gilan prov., Tutkabon env., 959 m, 5. 6. 2009, 10 adults on flowers of *Rubus sp.* (FČ, RA, WG).

**Distribution:** Palaearctic Region: Asia (Iran).

**17) *Cerambyx (Microcerambyx) multiplicatus* Motschulsky, 1857**

**Material:** Iran, Golestan prov., Golestan NP, 45 km E Minudasht, 37.36N 55.93E, 960 m, 7. 6. 2009, 1 adult on flowers of *Rubus sp.* (WG); Iran, Golestan prov., Golestan NP, 45 km E Minudasht, 37.36N 55.93E, 960 m, 11. 6. 2010, 1 adult on flowers of *Rubus sp.* (WG).

**Distribution:** Palaearctic Region: Asia (Azerbaijan, Iran).

**18) *Aeolesthes sarta* Solsky, 1781**

**Material:** Iran, Semnan prov., 10 km W Damghan, 36.06N 54.17E, 1200 m, 10. 6. 2010, 1 adult beaten from living branches of *Morus sp.* (WG).

**Distribution:** Palaearctic Region: Asia (Afghanistan, China: Tibet, Iran, Kazakhstan, Kyrgyzstan, Pakistan, Tadzhikistan, Turkmenistan, Uzbekistan).

**19) *Xenopachys matthiesseni* Reitter, 1907**

**Material:** Iran, Kerman prov., Gebal Barez Mts., Deh Bakri, 29.08N 57.91E, 2300 m, 2.- 3. 6. 2010, 2 adults attracted by light (WG).

**Distribution:** Palaearctic Region: Asia (Iran, Turkmenistan).

**Tribe Purpuricenini**

**20) *Purpuricenus deyrollei* Thomson, 1867**

**Material:** Iran, Golestan prov., 10 km NE Minudasht, Galikesh env., 309 m, 7. 6. 2009, 1 adult on flowers of *Onopordum sp.* (WG); Iran, Golestan prov., 10 km SW Minudasht, 246 m, 8. 6. 2009, 1 adult on a flowering shrub (*Paliurus spina-christi*), (RA).

**Distribution:** Palaearctic Region: Asia (Iran, Turkmenistan).

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### 21) *Purpuricenus kaehleri* ssp. *menetriesi* Motschulsky, 1845

**Material:** Iran, Golestan prov., 10 km NE Minudasht, Galikesh env., 309 m, 7. 6. 2009, 22 adults on flowers of *Onopordum* sp. (FČ, RA, WG); Iran, Golestan prov., 10 km SW Minudasht, 246 m, 8. 6. 2009, 55 adults on a flowering shrubs (*Paliurus spina-christi*) and on flowers of *Onopordum* sp., ex larva from living branches of *Paliurus spina-christi* - 2 adults emerged from 24. 7. to 28. 7. 2009 (FČ, RA, WG).

**Distribution:** Palaearctic Region: Europe (Russia: Russian Caucasus), Asia (Armenia, Azerbaijan, Georgia, Iran, Turkey).

### 22) *Purpuricenus nanus* Semenov, 1907

**Material:** Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 1. 6. 2009, 1 adult in flight (RA).

**Distribution:** Palaearctic Region: Asia (Iran).

### 23) *Purpuricenus robusticollis* Pic, 1905

**Material:** Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 1. 6. 2009, 57 adults on *Centaurea behen*, 8 adults on *Cousinia silyboides* Jaub. & Spach, several adults in pupal cells and larvae found underground, on the roots of this plant (FČ, RA, WG); Iran, Lorestan, 17 km SW Dorud, Tut village env., 1995 m, 3. 6. 2009, 11 adults on *Centaurea behen* (FČ, RA); Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 31. 5. 2010, 2 adults on *Centaurea behen* (WG); Iran, Lorestan prov., Tootmashour, 33.41N 48.90E, 1995 m, 31. 5. 2010, 3 adults on *Centaurea behen* (WG).

**Distribution:** Palaearctic Region: Asia (Iran).

*Purpuricenus robusticollis* is species endemic to Iran. Distribution of this species in Iran is poorly known, most of the known specimens were collected in the provinces Lorestan, Esfahan and Fars.

This species is local but a typical representative of steppe and forest steppe region, in relatively high altitude. The most of our specimens of *P. robusticollis* were collected on *Centaurea behen* L. (Asteraceae) or flying around this plant. The beetles were sitting or mating especially on buds, only a few pieces were sitting on leaves of this plant.

About 8 adults from the province Esfahan, 40 km SE Aligudarz, Nowghan env., were collected on leaves and on stems of *Cousinia silyboides* Jaub. & Spach (Asteraceae, Cardueae (= Cynareae), *Cousinia*

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*section Cynaroideae*). Several adults were founded in earthen pupal cells in the soil on the roots of this plant. The pupal cells are vertical or slope toward the soil surface and are laid at a depth of 10-15 cm. The larvae live in the soil and feed principally on the roots and underground stems of this plant.

*Cousinia silyboides* Jaub. & Spach was determined by the Dr. Iraj Mehregan, Assist. Prof., Department of Biology, Science and Research Branch, Azad University, Tehran, Iran.

Adults emerge in spring, especially from the second half of May to early June.

### **24) *Purpuricenus zarudnianus* Semenov, 1903**

**Material:** Iran, Kerman prov., 30 km S Sirjan, 29.13N 55.74E, 1730 m, 6. - 7. 6. 2010, 2 adults on flowers of unknown *Asteraceae* plant (WG).

**Distribution:** Palearctic Region: Asia (Iran, Pakistan).

### **25) *Calchaenesthes diversicollis* Holzschuh, 1977**

**Material:** Iran, Kohgiluyeh and Boyer Ahmad prov., Sisakht env., 30.83N 51.46E, 2050 m, 27. 5. 2009, 1 adult sitting on a leaf of an oak (*Quercus* sp.), (RA).

**Distribution:** Palearctic Region: Asia (Iran, Iraq, Turkey).

## **Tribe Callichromatini**

### **26) *Osphranteria coerulescens* ssp. *coerulescens* Redtenbacher, 1850**

**Material:** Iran, Kerman prov., Jupar env., 30.05N 57.12E, 1900 m, 1. 6. 2010, 10 adults on flowers of unknown *Asteraceae* plant (WG); Iran, Kerman prov., Sirch env., 30.19N 57.57E, 1640 m, 2. 6. 2010, 2 adults on flowers of unknown *Asteraceae* plant (WG); Iran, Semnan prov., 10 km W Damghan, 36.06N 54.17E, 1200 m, 10. 6. 2010, 2 adults on flowers of unknown *Asteraceae* plant (WG).

**Distribution:** Palearctic Region: Asia (Iran, Iraq, Pakistan).

### **27) *Osphranteria sauveolens* Redtenbacher, 1850**

**Material:** Iran, Kerman prov., Gebal Barez Mts., Deh Bakri, 29.08N 57.91E, 2300 m, 2. - 3. 6. 2010, 12 adults on flowers of *Eryngium* sp. (WG); Iran, Kerman prov., 30 km S Sirjan, 29.13N 55.74E, 1730 m, 6. - 7. 6. 2010, 22

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adults on flowers of *Eryngium sp.* (WG).

**Distribution:** Palaearctic Region: Asia (Afghanistan, Iran).

### Tribe Stenopterini

#### 28) *Stenopterus rufus ssp. transcaspicus* Lazarev, 2008

**Material:** Iran, Gilan prov., Tutkabon near Roodbar, 36.83N 49.66E, 959 m, 5. 6. 2009, 15 adults on flowers of *Apiaceae* (FČ, WG); Iran, Golestan prov., Golestan NP, 60 km E Minudasht, 37.36N 55.93E, 460 m, 7. 6. 2009, 70 adults on flowers of *Apiaceae* (FČ, RA, WG); Iran, Mazandaran prov., 20 km S Amol, 36.30N 52.36E, 361 m, 9. 6. 2009, 5 adults on flowers of *Apiaceae* (FČ, RA, WG); Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 15 adults on flowers of *Apiaceae* (FČ, RA, WG); Iran, Golestan prov., Golestan NP, 45 km E Minudasht, 37.36N 55.93E, 960 m, 11. 6. 2010, 3 adults on flowers of *Apiaceae* (WG).

**Distribution:** Palaearctic Region: Asia (Iran, Turkmenistan).

#### 29) *Callimus angulatus ssp. angulatus* (Schrank, 1789)

**Material:** Iran, Golestan prov., Golestan NP, 10 km SW Minudasht, 37.17N 55.33E, 246 m, 8. 6. 2009, *ex larva* from dead twigs of an oak (*Quercus sp.*) - 8 adults emerged from 15. 3. to 20. 3. 2010, 4 adults emerged from 5. 3. to 10. 3. 2011 and 5 adults emerged 10. 3. 2012 (WG).

**Distribution:** Palaearctic Region: Europe (Albania, Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Macedonia, Moldova, Montenegro, Poland, Romania, Serbia, Slovakia, Spain, Switzerland, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Syria, Turkey), North Africa (Algeria, Morocco).

#### 30) *Lampropterus femoratus* (Germar, 1824)

**Material:** Iran, Lorestan prov., Tootmashour, Goor Kash, 33.41N 48.90E, 1995 m, 2. - 3. 6. 2009, 3 adults on flowers of *Achillea sp.* (WG); Iran, Kohgiluyeh and Boyer Ahmad prov., Zagros Mts., Qarah 8 km, 31.21N 51.31E, 1994 m, 27. 5. 2009, *ex larva* from a dead twig of an oak (*Quercus sp.*) - 1 adult emerged 2. 4. 2010 (WG).

**Distribution:** Palaearctic Region: Europe (Albania, Bulgaria, Greece, Macedonia, Moldova, Montenegro, Romania, Russia: South of European Russia and Russian Caucasus, Serbia, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Cyprus, Georgia, Iran, Israel, Lebanon, Syria, Turkey).

**31) *Callimoxys gracilis* (Brullé, 1832)**

**Material:** Iran, Gilan prov., Tutkabon env., 959 m, 5. 6. 2009, 18 adults on flowers of *Rubus* sp. (FČ, RA, WG); Iran, Golestan prov., Golestan NP, 60 km E Minudasht, 37.36N 55.93E, 460 m, 7. 6. 2009, 1 adult on flowers of *Achillea* sp. (WG); Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 9 adults on flowers of *Apiaceae* (FČ, RA).

**Distribution:** Palaearctic Region: Europe (Bosnia and Hercegovina, Bulgaria, Croatia, Greece, Hungary, Macedonia, Montenegro, Romania, Russia: South of European Russia and Russian Caucasus, Serbia, Slovakia, Slovenia, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Turkey, Turkmenistan).

**Tribe Molorchini**

**32) *Molorchus grosseri* Voříšek, 2012**

**Material:** Iran, Boyer Ahmad-o-kuhgiluye prov., Kuh Gol, Sisakht, 30.84N 51.53E, 2498 m, 27. - 28. 5. 2009, 1 adult on flowers of *Tordylium cappadocicum* (WG).

**Distribution:** Palaearctic Region: Asia (Iran).

**Tribe Callidiini**

**33) *Phymatodes (Melasmetus) femoralis* ssp. *femoralis* (Ménétriés, 1832)**

**Material:** Iran, Gilan prov., Tutkabon env., 959 m, 5. 6. 2009, 14 adults on oak (*Quercus* sp.) logs (FČ, RA, WG).

**Distribution:** Palaearctic Region: Europe (Russia: South of European Russia and Russian Caucasus), Asia (Armenia, Azerbaijan, Georgia, Iran).

**Tribe Clytini**

**34) *Plagionotus arcuatus* ssp. *lugubris* (Ménétriés, 1832)**

**Material:** Iran, Gilan prov., Tutkabon env., 959 m, 5. 6. 2009, 3 adults sitting on oak (*Quercus* sp.) stumps (RA, WG); Iran, Golestan prov., Golestan NP, 45 km E Minudasht, 37.36N 55.93E, 960 m, 11. 6. 2010, 3 adults sitting on oak (*Quercus* sp.) stumps (WG).

**Distribution:** Palaearctic Region: Asia (Armenia, Azerbaijan, Iran,

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Turkmenistan).

### **35) *Neoplacionotus bobelayei* ssp. *bobelayei* (Brullé, 1832)**

**Material:** Iran, Fars prov., 28 km SE Yasuj, 30.48N 51.65E, 2365 m, 29. 5. 2009, 5 adults on *Malvaceae* sp. (FČ, RA); Iran, Lorestan prov., 10 km SW Dorud, 33.42N 48.99E, 1463 m, 4. 6. 2009, 5 adults on *Malvaceae* sp. (WG); Iran, Golestan prov., Golestan NP, 10 km SW Minudasht, 37.17N 55.33E, 246 m, 8. 6. 2009, 3 adults on *Malvaceae* sp. (FČ).

**Distribution:** Palaearctic Region: Europe (Albania, Bulgaria, Greece, Macedonia, Romania, Russia: South of European Russia and Russian Caucasus, Turkey, Ukraine) Asia (Armenia, Azerbaijan, Georgia, Iran, Lebanon, Israel, Jordan, Syria, Turkey, Turkmenistan).

### **36) *Echinocerus floralis* (Pallas, 1733)**

**Material:** Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 31. 5 - 1. 6. 2009, 4 adults on flowers of *Apiaceae* (WG); Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 31. 5. 2010, 4 adults on flowers of *Apiaceae* (WG).

**Distribution:** Palaearctic Region: Europe (Albania, Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Macedonia, Moldova, Montenegro, Poland, Portugal, Romania, Russia: European Russia and Russian Caucasus, Serbia, Slovakia, Slovenia, Spain, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Georgia, China: Xinjiang, Iran, Israel, Jordan, Kazakhstan, Kyrgyzstan, Russia: West Siberia and East Siberia, Tajikistan, Turkey, Turkmenistan, Uzbekistan)

### **37) *Chlorophorus golestanicus* Voříšek, 2012**

**Material:** Iran, Golestan prov., Golestan NP, 60 km E Minudasht, 37.36N 55.93E, 460 m, 7. 6. 2009, 15 adults on flowers of different plants: *Achillea* sp., *Allium* sp., *Knautia* sp. and *Apiaceae* (RA, WG); Iran, Golestan prov., Golestan NP, 10 km SW Minudasht, 37.17N 55.33E, 246 m, 8. 6. 2009, 19 adults on flowers of different plants: *Achillea* sp., *Allium* sp., *Knautia* sp. and *Apiaceae* (FČ, WG); Iran, Golestan prov., Golestan NP, 45 km E Minudasht, 37.36N 55.93E, 960 m, 11. 6. 2010, 38 adults on flowers of different plants: *Achillea* sp., *Allium* sp., *Knautia* sp. and *Apiaceae* (WG); Iran, Golestan prov., Golestan NP, 70 km SW Minudasht, 37.26N 55.99E, 1050 m, 12. 6. 2010, 39 adults on flowers of different plants *Achillea* sp.,

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*Allium* sp., *Knautia* sp. and *Apiaceae* (WG).

**Distribution:** Palaearctic Region: Asia (Iran).

**38) *Chlorophorus hircanus* Pic, 1905**

**Material:** Iran, Golestan prov., Golestan NP, 10 km SW Minudasht, 37.17N 55.33E, 246 m, 8. 6. 2009, 1 adult on a flowering shrub (*Paliurus spina-christi*), (WG); Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 2 adults on a flowering shrub (*Paliurus spina-christi*), (RA); Iran, Mazandaran prov., 20 km S Amol, 36.30N 52.36E, 361 m, 10. 6. 2009, 1 adult on a flowering shrub (*Paliurus spina-christi*), (WG).

**Distribution:** Palaearctic Region: Asia (Iran).

**39) *Chlorophorus varius* ssp. *varius* (Müller, 1766)**

**Material:** Iran, Gilan prov., Fuman, 37.20N 49.18E, 201 m, 6. 6. 2009, 1 adult on flowers of *Apiaceae* (WG).

**Distribution:** Palaearctic Region: Europe (Albania, Austria, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Great Britain, Greece, Hungary, Italy, Liechtenstein, Lithuania, Macedonia, Malta, Moldova, Montenegro, Poland, Romania, Russia: Centre and South of European Russia and Russian Caucasus, Serbia, Slovakia, Slovenia, Spain, The Netherlands, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Kazakhstan, Russia: West Siberia, Turkey).

**40) *Turanoclytus ilamensis* ssp. *ilamensis* Holzschuh, 1979**

**Material:** Iran, Azerbaijan e Sharqi prov., Sis, 10 km E Shabestar, 38.26N 45.86E, 1540 m, 19. 6. 2010, 1 adult on a dry twig of a living *Astragalus* sp. (WG).

**Distribution:** Palaearctic Region: Asia (Iran).

**41) *Clytus arietis* ssp. *lederi* Ganglbauer, 1882**

**Material:** Iran, Gilan prov., Tutkaban env., 959 m, 5. 6. 2009, 1 adult on flowers of *Apiaceae* (RA).

**Distribution:** Palaearctic Region: Asia (Azerbaijan, Iran, Turkmenistan).



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### Subfamily Lamiinae Tribe Lamiini

#### 42) *Morimus verecundus* (Faldermann, 1836)

**Material:** Iran, Gilan prov., Tutkabon env., 959 m, 5. 6. 2009, 17 adults on oak (*Quercus sp.*) stumps (RA, WG).

**Distribution:** Palaearctic Region: Europe (Russia: South of European Russia and Russian Caucasus, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Turkey, Turkmenistan).

### Tribe Dorcadionini

#### 43) *Dorcadion laeve hyrcanum* Jakovlev, 1900

**Material:** Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 1 adult on the ground in low vegetation (RA).

**Distribution:** Palaearctic Region: Asia (Iran).

### Tribe Acanthocinini

#### 44) *Leiopus femoratus* Fairmaire, 1859

**Material:** Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 1 adult attracted by light (RA).

**Distribution:** Palaearctic Region: Europe (Belgium, Bulgaria, France, Italy, Lithuania, Luxembourg, Russia: South of European Russia and Russian Caucasus, The Netherlands, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Turkey).

### Tribe Phytocciini

#### 45) *Oberea (Amaurostoma) erythrocephala ssp. erythrocephala* (Schrank, 1776)

**Material:** Iran, Fars prov., 28 km SE Yasuy, 30.48N 51.65E, 2365 m, 29. 5. 2009, 2 adults on *Euphorbia sp.* (FČ, WG).

**Distribution:** Palaearctic Region: Europe (Andorra, Austria, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Liechtenstein, Lithuania, Macedonia, Moldova, Montenegro, Poland, Portugal, Romania, Russia: Centre and

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South of European Russia and Russian Caucasus, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Kazakhstan, Lebanon, Russia: West Siberia).

### 46) *Oxyilia argentata ssp. argentata* (Ménétriés, 1832)

**Material:** Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 10 adults on *Anchusa italica* (FČ, RA, WG).

**Distribution:** Palaearctic Region: Europe (Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Turkey).

### 47) *Phytoecia (Pilemia) hirsutula ssp. hirsutula* (Frölich, 1793)

**Material:** Iran, Lorestan, 17 km SW Dorud, Tut village env., 1995 m, 3. 6. 2009, 16 adults on *Phlomis sp.* (RA).

**Distribution:** Palaearctic Region: Europe (Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Greece, Hungary, Macedonia, Moldova, Montenegro, Romania, Russia: South of European Russia and Russian Caucasus, Serbia, Slovakia, Slovenia, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Iran, Israel, Jordan, Kazakhstan, Lebanon, Russia: West Siberia, Syria, Turkey).

### 48) *Phytoecia (Coptosia) compacta* (Ménétriés, 1832)

**Material:** Iran, Gilan prov., Tutkaban near Roodbar, 36.83N 49.66E, 959 m, 5. 6. 2009, 4 adults sitting on the ground under leaves of *Solenanthus stamineus* (WG); Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 7 adults sitting on the ground under leaves of *Solenanthus stamineus* (FČ, WG).

**Distribution:** Palaearctic Region: Asia (Armenia, Azerbaijan, Georgia, Iran, Turkey)

### 49) *Phytoecia (Mimocoptosia) luteovittigera* Pic, 1906

**Material:** Iran, Kohgiluyeh and Boyer Ahmad prov., Kuh Gol, Sisakht env., 30.84N 51.53E, 2498 m, 27. - 28. 5. 2009, 62 adults on stems of flowering *Apiaceae* (FČ, WG); Iran, Fars prov., 28 km SE Yasuj, 2365 m, 30.48N 51.65E, 29. 5. 2009, 9 adults on stems of flowering *Apiaceae* (RA); Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 31. 5 - 1. 6. 2009, 1 adult on a stem of a flowering *Apiaceae* (WG); Iran, Lorestan, 17 km SW Dorud, Tut village env., 1995 m, 3. 6. 2009, 8 adults on stems of

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flowering *Apiaceae* (RA, WG).

**Distribution:** Palaearctic Region: Asia (Iran, Turkey)

### **50) *Phytoecia (Helladia) imperialis ssp. dorud* Sama, Rapuzzi et Rejzek, 2007**

**Material:** Iran, Lorestan, 17 km SW Dorud, Tut village env., 1995 m, 3. 6. 2009, 1 adult sitting on the ground under leaf of a *Centaurea imperialis* (RA).

*Helladia imperialis ssp. dorud* Sama, Rapuzzi et Rejzek, 2007 is recorded to be associated with *Centaurea imperialis* Hausskn ex Bornm. (Asteracea) for the first time. So far, all specimens of *Helladia imperialis dorud* were found only on *Onopordum sp.* (Asteraceae).

**Distribution:** Palaearctic Region: Asia (Iran).

### **51) *Phytoecia (Musaria) kurdistana* (Ganglbauer, 1884)**

**Material:** Iran, Fars prov., 28 km SE Yasuj, 30.48N 51.65E, 2365 m, 29. 5. 2009, 1 adult on *Eryngium sp.* (RA); Iran, Fars prov., Komehr env., 30.47N 51.86E, 2380 m, 29. 5. 2009, 68 adults on *Eryngium sp.* (FČ, RA, WG); Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 1. 6. 2009, 9 adults on *Eryngium sp.* (FČ, RA, WG).

**Distribution:** Palaearctic Region: Asia (Armenia, Azerbaijan, Georgia, Iran, Iraq, Turkey).

### **52) *Phytoecia (Musaria) puncticollis ssp. puncticollis* (Faldermann, 1837)**

**Material:** Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 1. 6. 2009, 4 adults on *Eryngium billardieri* (RA, WG).

**Distribution:** Palaearctic Region: Europe (Russia: South of European Russia and Russian Caucasus), Asia (Armenia, Azerbaijan, Georgia, Iran, Turkey).

### **53) *Phytoecia (Kalashania) pici* Reitter, 1892**

**Material:** Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 1. 6. 2009, 18 adults on stems of yellow flowering *Achillea sp.* (RA, WG).

**Distribution:** Palaearctic Region: Asia (Armenia, Azerbaijan, Georgia, Iran).

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**54) *Phytoecia (Phytoecia) centaureae* Sama, Rapuzzi et Rejzek, 2007**

**Material:** Iran, Lorestan, 17 km SW Dorud, Tut village env., 1995 m, 3. 6. 2009, 20 adults sitting or mating on leaves of *Centaurea behen* (FČ, RA, WG).

**Distribution:** Palaearctic Region: Asia (Iran).

**55) *Phytoecia (Phytoecia) pustulata ssp. murina* Marsham, 1869**

**Material:** Iran, Mazandaran prov., Damavand Mts. env., 1400 – 2500 m, 10. 6. 2009, 2 adults on *Achillea sp.* (WG).

**Distribution:** Palaearctic Region: Asia (Armenia, Azerbaijan, Iran).

**56) *Phytoecia (Opsilia) coerulescens spp. coerulescens* (Scopoli, 1763)**

**Material:** Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 2 adults on stalks of *Echium sp.* (RA).

**Distribution:** Palaearctic Region: Europe (Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Liechtenstein, Luxembourg, Macedonia, Moldova, Montenegro, Poland, Portugal, Romania, Russia: Central and South of European Russia and Russian Caucasus, Serbia, Slovakia, Slovenia, Spain, Switzerland, The Netherlands, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Georgia, China: Northeast Territory and Jiangsu, Iran, Iraq, Israel, Jordan, Kazakhstan, Kyrgyzstan, Lebanon, Russia: West Siberia, Syria, Tadjikistan, Turkey, Uzbekistan), North Africa (Algeria, Morocco, Tunisia).

**57) *Phytoecia (Blepisanis) magnanii* Sama, Rapuzzi et Rejzek, 2007**

**Material:** Iran, Kohgiluyeh and Boyer Ahmad prov., Kuh Gol, Sisakht env., 30.84N 51.53E, 2498 m, 27. - 28. 5. 2009, 1 adult, by sweeping of vegetation (WG).

**Distribution:** Palaearctic Region: Asia (Iran).

**58) *Semiangusta ambrusi* Danilevsky, 2012**

**Material:** Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 1. 6. 2009, 36 adults sitting or mating on leaves of *Centaurea behen* or flying around this plant (FČ, RA, WG); Iran, Lorestan prov., Tootmashour, Goor Kash, 33.41N 48.90E, 1995 m, 2. - 3. 6. 2009, 15 adults sitting or

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mating on leaves of *Centaurea behen* or flying around this plant (FČ, WG).

**Distribution:** Palaearctic Region: Asia (Iran).

### 59) *Pygoptosia eugeniae* (Ganglbauer, 1884)

**Material:** Iran, Lorestan, 17 km SW Dorud, Tut village env., 1995 m, 3. 6. 2009, 92 adults sitting under the basal leaves of *Centaurea behen*, several adults mating on leaves or flying around this plant (FČ, RA, WG); Iran, Lorestan prov., 10 km SW Dorud, 33.42N 48.99E, 1463 m, 4. 6. 2009, 10 adults sitting under the basal leaves of *Centaurea behen* or flying around this plant (FČ, WG).

**Distribution:** Palaearctic Region: Asia (Iran).

## Tribe Agapanthiini

### 60) *Calamobius filum* (Rossi, 1790)

**Material:** Iran, Kohgiluyeh and Boyer Ahmad prov., 8 km from Qarah, 31.21N 51.31E, 1994 m, 27. 5. 2009, 7 adults, by sweeping of vegetation (FČ, WG); Iran, Fars prov., 28 km SE Yasuy, 30.48N 51.65E, 2365 m, 29. 5. 2009, 10 adults, by sweeping of vegetation (FČ, RA, WG).

**Distribution:** Palaearctic Region: Europe (Albania, Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Macedonia, Moldova, Montenegro, Portugal, Romania, Russia: South of European Russia and Russian Caucasus, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine) Asia (Armenia, Azerbaijan, Cyprus, Georgia, Iran, Israel, Jordan, Lebanon, Syria, Turkey), North Africa (Algeria, Morocco, Tunisia).

### 61) *Agapanthia (Synthapsia) kirbyi* (Gyllenhal, 1817)

**Material:** Iran, Esfahan prov., 40 km SE Aligudarz, Nowghan env., 2254 m, 1. 6. 2009, 3 adults on *Verbascum sp.* (RA, WG).

**Distribution:** Palaearctic Region: Europe (Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Greece, Hungary, Italy, Macedonia, Moldova, Montenegro, Romania, Russia: South of European Russia and Russian Caucasus, Serbia, Slovakia, Spain, Turkey, Ukraine) Asia (Armenia, Azerbaijan, Georgia, Iran, Israel, Syria, Turkey, Turkmenistan).

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**62) *Agapanthia (Epoptes) angelicae* Reitter, 1898**

**Material:** Iran, Golestan prov., 10 km NE Minudasht, Galikesh env., 309 m, 7. 6. 2009, 3 adults on *Ferula sp.* (FČ, RA); Iran, Golestan prov., 10 km SW Minudasht, 246 m, 8. 6. 2009, 3 adults on *Ferula sp.* (RA); Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 12 adults on *Ferula sp.* (FČ, RA, WG).

**Distribution:** Palaearctic Region: Asia (Iran, Turkmenistan).

**63) *Agapanthia (Epoptes) coeruleipennis* (Frivaldszky, 1878)**

**Material:** Iran, Fars prov., 28 km SE Yasuj, 30.48N 51.65E, 2365 m, 29. 5. 2009, 3 adults on leaves of *Gundelia tournefortii* (RA); Iran, Mazandaran prov., Damavand Mountain env., 1400 – 2500 m, 10. 6. 2009, 3 adults on leaves of *Gundelia tournefortii* (RA).

**Distribution:** Palaearctic Region: Asia (Iran, Syria, Turkey).

**64) *Agapanthia (Epoptes) persica* Semenov, 1893**

**Material:** Iran, Golestan prov., Golestan NP, 60 km E Minudasht, 37.36N 55.93E, 460 m, 7. 6. 2009, 12 adults sitting on different plants: *Ferula sp.*, *Cirsium sp.* and unknown *Asteraceae* plant, several adults by sweeping of vegetation or in flight (FČ, WG); Iran, Golestan prov., 10 km SW Minudasht, 246 m, 8. 6. 2009, 16 adults sitting on different plants: *Ferula sp.*, *Cirsium sp.* and unknown *Asteraceae* plant, several adults by sweeping of vegetation or in flight (FČ, RA, WG); Iran, Golestan prov., Golestan NP, 45 km E Minudasht, 37.36N 55.93E, 960 m, 11. 6. 2010, 4 adults by sweeping of vegetation or in flight (FČ, WG); Iran, Golestan prov., Golestan NP, Gorgan env., 36.82N 54.28E, 62 m, 7. 6. 2010, 1 adult in flight (WG).

**Distribution:** Palaearctic Region: Asia (Iran, ?Turkmenistan).

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