CONTRIBUTIONS TO THE STUDY OF CERAMBYCIDS FROM THE COLLECTION OF THE MUSEUM OF ENTOMOLOGY, INSTITUTE OF ZOOLOGY, REPUBLIC OF MOLDOVA

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Abstract. The list of 40 coleopteran species belonging to 28 genera of the Cerambycidae family collected in four localities from the Central Region of the Republic Moldova by Kiselev A. is presented. As a result of the inventory, 143 specimens, gathered during March - June of 2009-2010 years from trees, shrubs, flowering and herbaceous plants were revealed.

Keywords: Cerambycidae, species, museum.

Rezumat. Contribuții la studiul cerambicidelor din colecția Muzeului de Entomologie, Institutul de Zoologie, Republica Moldova. Este prezentată lista a 40 de specii de coleoptere aparținând la 28 de genuri ale familiei Cerambycidae, colectate în patru localități din Regiunea Centrală a Republicii Moldova de către Kiselev A. În urma inventarierii au fost identificate 143 de exemplare, colectate în perioada martie-iunie 2009-2010 de la arbori, arbuști, plante cu flori erbacee.

Cuvinte cheie: Cerambycidae, specie, muzeu.

INTRODUCTION

The study of coleoptera species and especially from Cerambycidae family started in Bessarabia after 1900, the current territory of the Republic of Moldova. The first result including list of species and localities was published 1917, by MILLER and ZUBOWSKY and included 104 species of longicorn beetles. In 1957 Medvedev and Shapiro completed the list with another 3 new species for this territory. A faunistic study carried out in 2005 in the Central Moldavian Plateau by Neculiseanu and Baban, highlights 124 species from this family. Over the years the collections of Cerambycidae were made by several students, part of their collections was donated to the museum. Another part was published and sent to other museums. One of such students was Ciubcic, who published 78 species collected in the Central region of the Republic of Moldova, one of which *Callimoxys gracilis* Brullé, 1832 was mentioned for the first time (CIUBCIC, 2010).

The Collection of the Museum of Entomology, Institute of Zoology, MSU housed rich collections of Cerambycidae, part of them were already published and include 121 species (BACAL et al., 2020). There are other specimens from the museum collection in the inventory process.

The purpose of this work was to publish the specimens from the personal collection of Mr. A. Kiselev, collected during 2009-2010 years, which was donated to the Museum of Entomology through the supervisor of the bachelor's thesis, professor Derjanschi V.

MATERIAL AND METHODS

The specimens of Cerambycidae were collected during March, April, May and Iune of 2009 and 2010 years from the localities: Cojușna and Căpriana (Strășeni district), Căbăiești (Călărași district), Răzeni (Ialoveni district) and the Municipality of Chișinău. The collected specimens were chemically processed, placed in quarantine and them stored in the Collection of the Museum of Entomology, Institute of Zoology. According to the ecological labels, the specimens was collected by hand in forest ecosystems and with the entomological net from dead wood and inflorescences of flowering plants. In total, 143 specimens of coleopterans from the Cerambycidae family were included in this work (Fig. 1).

The list of species is presented in alphabetical order. For each species, the number of specimens, the locality, the author and some data from the specialized literature available in the country are presented (HOSKOVEC, 2025).

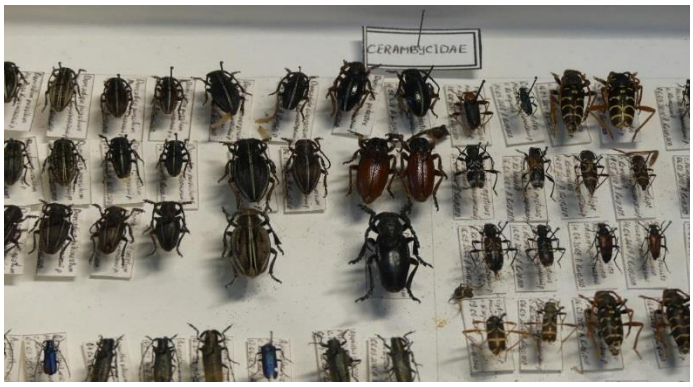


Figure 1. Part of Kiselev A. Cerambycidae collection (original photo).

RESULT AND DISCUSSION

As a result of the inventory, 143 specimens, belonging 40 species and 28 genera of Cerambycidae family gathered during 2009-2010 years were revealed.

The rarity criteria were presented according to NIETO & ALEXANDER (2010). Abbreviation to rarity criteria – Least Concern (LC) applies to species that have been evaluated against the Red List criteria and don't qualify for critically endangered, endangered, vulnerable, or near threatened status.

1. *Agapanthia violacea* Drumont & Leduc, 2011
Data collection: 1 ex., 04.05.2010, 3 ex., 06.05.2010, 1 ex., 12.06.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.



Figure 2. *Anaglyptus mysticus* (original photo).



Figure 3. *Mesosa curculionoides* (original photo).

2. *Agapanthia dahlii* (Richter, 1820)
Data collection: 6 ex., 14.06.2010, 1 ex., 14.06.2009, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; DERJANSCHI et al., 2016; BACAL et al., 2020.

3. *Agapanthia villosoviridescens* Rabil, 1992
Data collection: 1 ex., 04.06.2010; 1 ex., 16.05.2009; 1 ex., 16.05.2009, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.

4. *Anaglyptus mysticus* (Linnaeus, 1758)
Data collection: 1 ex., 16.05.2005, 1 ex., 16.05.2010, 2 ex., 15.05.2009, Cojușna (Fig. 2);
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005: CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.

5. *Anoplodera rufipes* (Schaller, 1783) (*Leptura rufipes* Schaller, 1783)
Data collection: 3 ex., 06.05.2010, 4 ex., 16.05.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; BACAL et al., 2020; BACAL, 2022.

6. *Anoplodera sexguttata* (Fabricius, 1775)
Data collection: 2 ex., 12.06.2010, Cojușna;
Citations: DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.

7. *Arhopalus rusticus* (Linnaeus, 1758)
Data collection: 1 ex., 23.05.2009, Chișinău;
Citations: CIUBCIC, 2010; BACAL et al., 2020.

8. *Callimus angulatus* (Schrank, 1789)
Data collection: 1 ex., 14.05.2010, Cojușna;
Citations: DERJANSCHI et al., 2016; BACAL et al., 2020.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.

9. *Cerambyx scopolii* Fuesslins, 1775
Data collection: 5 ex., 09.05.2009, 3 ex., 16.05.2009, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.

Rarity criteria: LC, NIETO & ALEXANDER, 2010.
10. *Chlorophorus figuratus* (Scopoli, 1763)
Data collection: 1 ex., 27.05.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.
11. *Chlorophorus sartor* (Müller, 1766)
Data collection: 1 ex., 04.05.2010, 1 ex., 16.05.2009, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.
12. *Clytus arietis* (Linnaeus, 1758)
Data collection: 1 ex., 06.05.2010, 1 ex., 19.06.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; BACAL et al., 2020.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.
13. *Cortodera humeralis* (Schaller, 1783)
Data collection: 1 ex., 02.05.2010, 1 ex., 04.05.2010, 4 ex., 16.05.2009, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
14. *Cortodera villosa* Heyden, 1876
Data collection: 3 ex., 14.05.2010, Cojușna;
Citations: DERJANSCHI et al., 2016; BACAL et al., 2020.
15. *Dinoptera collaris* (Linnaeus, 1758)
Data collection: 1 ex., 06.05.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
16. *Dorcadion bilineatum* Germar, 1839 (*Neodorcadion* (Germar, 1824)
Data collection: 2 ex., 16.05.2009, 2 ex., 18.05.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.
17. *Dorcadion cinerarium* Küster, 1848
Data collection: 2 ex., 26.03.2010, Răzeni;
Citations: MILLER & ZUBOWSKY, 1917; CIUBCIC, 2010.
18. *Dorcadion pedestre* Breuning, 1943
Data collection: 2 ex., 11.04.2010, Căbăiești;
Citations: MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.
19. *Dorcadion pusillum* Küster, 1847
Data collection: 8 ex., 26.03.2010, Răzeni;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.
20. *Dorcadion tauricum* Thomson, 1867
Data collection: 1 ex., 04.05.2010, 1 ex., 06.01.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.
21. *Echinocerus floralis* (Pallas, 1773) (*Plagionotus floralis* (Pallas, 1733))
Data collection: 5 ex., 14.06.2009, Chișinău;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.
22. *Mesosa curculionoides* (Linnaeus, 1761)
Data collection: 1 ex., 21.05.2009, Căpriana (Fig. 3);
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
23. *Morimus asper funereus* Mulsant, 1862
Data collection: 2 ex., 04.05.2010, 2 ex., 17.05.2009, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
24. *Phymatodes testaceus* (Linnaeus, 1758)
Data collection: 1 ex., 12.06.2010, 1 ex., 17.05.2009, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005;

CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.
25. *Phytoecia coerulescens* (Scopoli, 1763) (*Opsilia coerulescens* Valladares et al., 2003)
Data collection: 3 ex., 04.05.2010, 9 ex., 06.05.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.
26. *Phytoecia cylindrica* (Linnaeus, 1758)
Data collection: 2 ex., 06.05.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.
27. *Phytoecia icterica* (Schaller, 1783)
Data collection: 1 ex., 08.06.2010, 2 ex., 16.05.2009, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.
28. *Phytoecia nigricornis* (Fabricius, 1782)
Data collection: 2 ex., 01.05.2010, 1 ex., 06.05.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020.
29. *Pilemia tigrina* Sama, 2003 (*Phytoecia tigrina* Mulsant, 1851)
Data collection: 1 ex., 14.06.2010, Cojușna (Fig. 4).
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; DERJANSCHI et al., 2016; TOTH et al., 2016; BACAL et al., 2020.
Rarity criteria: *P. tigrina* is a protected species et European level (Annexes II and IV of the Habitats Directive, Natura 2000 code - 4020, EUNIS code 196432) 17.06.2010.



Figure 4. *Pilemia tigrina* (original photo).



Figure 5. *Plagionotus arcuatus* (original photo).

30. *Plagionotus arcuatus* (Linnaeus, 1758)
Data collection: 13 ex., 16.05.2010, Cojușna (Fig. 5);
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; CIUBCIC, 2010; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.
31. *Plagionotus detritus* (Linnaeus, 1758)
Data collection: 1 ex., 06.05.2010, Cojușna;
Citations: BACAL et al., 2020; BACAL, 2022.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.
32. *Pseudovadonia livida* (Fabricius, 1776)
Data collection: 1 ex., 14.06.2009, Chișinău;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; DERJANSCHI et al., 2016; BACAL et al., 2020.
33. *Pyrrhidium sanguineum* (Linnaeus, 1758)
Data collection: 2 ex., 06.05.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005;

BACAL et al., 2020; BACAL, 2022.
Rarity criteria: LC, Nieto & Alexander, 2010.
34. *Rhagium inquisitor* (Linnaeus, 1758)
Data collection: 2 ex., 01.03.2009, Chișinău;
Citations: BACAL et al., 2020; BACAL et al., 2022; BACAL, 2022.
35. *Ropalopus macropus* (Germar, 1824)
Data collection: 2 ex., 12.06.2010, 1 ex., 16.06.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.
36. *Stenopterus rufus* (Linnaeus, 1767)
Data collection: 2 ex., 12.06.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; DERJANSCHI et al., 2016; BACAL et al., 2020; BACAL, 2022.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.
37. *Stenurella bifasciata* (Müller, 1776)
Data collection: 2 ex., 14.06.2009, Chișinău;
Citations: Miller & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; DERJANSCHI ET AL., 2016; BACAL et al., 2020; BACAL, 2022.
38. *Stenurella melanura* (Linnaeus, 1758) (*Strangalia melanura* Aurivillius, 1912)
Data collection: 1 ex., 05.05.2010, Căpriana;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; DERJANSCHI ET AL., 2016; BACAL et al., 2020; BACAL, 2022.
39. *Theophilea subcylindricollis* Hladil, 1988
Data collection: 1 ex., 04.05.2020, Cojușna;
Citation: CIUBCIC, 2010.
40. *Xylotrechus antilope* (Schönherr, 1817)
Data collection: 3 ex., 12.05.2010, 2 ex., 14.07.2010, Cojușna;
Citations: MILLER & ZUBOWSKY, 1917; MEDVEDEV & SHAPIRO, 1957; NECULISEANU & BABAN, 2005; BACAL et al., 2020; BACAL, 2022.
Rarity criteria: LC, NIETO & ALEXANDER, 2010.

The inventoried box contains coleopterans from the Cerambycidae family collected in the central region of the country, including some rare for the Republic of Moldova among which *Pilemia tigrina* and *Plagionotus detritus*. Some of the revealed coleopteran species depend on herbaceous plants, and others on deciduous or coniferous tree.

In the Republic of Moldova *Pilemia tigrina* was cited for the first time by MILLER & ZUBOWSKY (1917) which was collected in May near Bender locality. Afterwards Zubowsky collected six specimens in Chișinău city, in the month of May of the years 1922, 1923, 1924 and in Bender in June 1926 (DERJANSCHI et al., 2016). Some more specimens were identified in May 2008 between Hîncești and Rusca (CSATHÓ, 2014) and one more was collected in June 2010 from Cojușna locality. *P. tigrina* is a beetle species of community importance (Natura 2000 and Emerald Network) listed in the Annex II of the Habitat Directive, distributed in Southeast Europe and Anatolia. The larvae of this species develop in stalks and roots of *Anchusa barrelieri* and the adult can be found during the spring from the end of April until June (CRIȘAN et al., 2017).

Plagionotus detritus is a Euro-Turanian thermophilic species of primeval oak forests. It develops in Central Europe, prefers oaks (*Quercus* spp.), hornbeam (*Carpinus* sp.), beech (*Fagus sylvatica*), chestnut (*Castanea*) etc. Larvae feed under the bark of sun-exposed standing or fallen trunks or branches. Life cycle 1-2 years. Adults, active from May to July (https://www.cerambyx.uochb.cz). Four specimens were collected in June and July, 2009 (CIUBCIC, 2010) and one more specimen was stored in the box, being collected on May 2010.

Anoplodera sexguttata is a West Palaearctic species widespread from the Iberian Peninsula to European Russia. *A. sexguttata* larvae develop in rotten wood of beech (*Fagus sylvatica*) and (*Quercus* spp.). Life-cycle lasts two years. Adults, active from May to July, are diurnal and anthophilous (https://www.cerambyx.uochb.cz). Seven specimens was collected by Zubowsky in June 1939 in Chișinău city (DERJANSCHI et al., 2016) and 2 specimens was stored in the box, being collected in June, 2010.

Arhopalus rusticus is a common species in the northern and central Europe, Siberia, Korea, Mongolia, northern Pakistan, Japan and northern China, prefers coniferous threes such as *Pinus sylvestris* and *Picea abies*. Larvae winters under the bark or in the wood. The larvae prefers the basal part of the trees up to 1.5 m in height. The specimens tends to hide under bark during the day. Adults emerge through exit holes. The species has one generation every two years (KOLK & STARZYK, 1996).

Callimus angulatus is a xerophilic species known from warmer regions of Europe, Maghreb, Near East, Caucasus, Turkey and Iran. *C. angulatus* is developing in freshly dead wood of thinner branches of deciduous trees about 2-8 cm in diameter. The larva is feeding under the bark and the wood. Life-cycle lasts 1-2 years. Adults emerge from late

April to June and can be seen on the host trees of *Quercus* sp., *Fagus* sp., *Carpinus* sp. or on flowers of *Crataegus* sp., *Rosa* sp. etc. (https://www.cerambyx.uochb.cz). Five specimens of this species were collected by Zubowsky in May 1925, 1929, 1938 in Chișinău city, Bularda and Strășeni localities (DERJANSCHI et al., 2016) and 1 specimen was stored in the box, being collected in June, 2010.

Cortodera villosa is a rare species distributed in Austria, Croatia, Bosnia Herzegovina, Serbia and Montenegro, Hungary, Czech Republic, Slovakia, Republic of Moldova, Ukraine, southern European Russia. The larva of *Cortodera villosa* develops in the roots of *Centaurea jacea* and *Centaurea stoebe*. The life cycle lasts one year. Adults emerge from April to June. (https://www.cerambyx.uochb.cz). Three specimens of this species were collected by Zubowsky in May 1927 and 1936 near Bender and Chișinău cities (DERJANSCHI et al., 2016) and 3 specimens were collected in Cojușna locality in May, 2010.

Dorcadion cinerarium is one of the most common and widely distributed species of the genus, occupying the territories of the whole Ukraine and the Republic of Moldova, as well as south of Russia and north-east Azerbaijan. The larva develops in the roots and basal stem parts of plants from Poaceae family. The life cycle lasts one year. Adults emerge from April to June (https://www.cerambyx.uochb.cz). Firstly, the species was cited by MILLER & ZUBOWSKY (1917) as being collected near Benderi și Chișinău cities on April and May and then 3 specimens were collected in Răzeni locality in April, 2008.

Rhagium inquisitor is one of the most common polyphagous longhorn beetles of European coniferous and mixed forests occupying in Europe, Algeria, Russia, Caucasus, Transcaucasia, Turkey. It develops in conifers, but is also in wood of *Betula*, *Fagus* or *Quercus*. Larvae feed under the bark of dead stems and stumps. Life cycle of the species lasts 2 years. Adults emerge from April to July. Firstly, two specimens of *Rhagium inquisitor* were collected from *Pinus sylvestris* in April, 2007 in Chișinău (CIUBCIC, 2010), leter three specimens were cited by BACAL et al. (2020) as being collected by Stepanov in Ivancea locality in May 1964 and stored in the Museum of Entomology, the Institute of Zoology MSU. The special work dedicated to this invasive, wood-boring species of Cerambycidae was published by BACAL et al. (2022). At present, the species is found under the bark of dried coniferous trees all over the territory of the Republic of Moldova. CABI considers *Rhagium inquisitor* a dangerous pest of coniferous trees.

Theophilea subcylindricollis was collected in Czech Republic, Hungary, Macedonia, Republic of Moldova, Romania, Russia, Serbia, Slovakia, Ukraine and Kazakhstan. Larvae of this species develop in the stalks of couch grass *Elymus repens*. Adults are active from April to July and can be swept from grass blades in steppe habitats (https://www.cerambyx.uochb.cz). More than 100 individuals of this species were collected in the Central Region of the Republic of Moldova during the May of 2004, 2007-2009 years and June, 2009 (CIUBCIC, 2010).

The current IUCN European Red List provides an assessment for 693 species of saproxylic beetles. In 2008, a total of 436 species were assessed (NIETO & ALEXANDER, 2010), 207 of them were included as LC (Least Concern), between them 13 species present in the current work: *Anaglyptus mysticus*, *Callimus angulatus*, *Cerambyx scopolii*, *Chlorophorus figuratus*, *C. sartor*, *Clytus arietis*, *Phymatodes testaceus*, *Plagionotus arcuatus*, *P. detritus*, *Pyrrhidium sanguineum*, *Ropalopus macropus*, *Stenopterus rufus* and *Xylotrechus antilope*.

According to our study the species *Plagionotus detritus* is the Republic of Moldova is known in a small number of specimens. These larvae of this warmth-loving species develop in decaying wood and depends on the presence of old deciduous trees. Such old trees in the Republic of Moldova are preserved only in the Natural Reserves Codrii, Plaiul Fagului, Pădurea Domnească etc. In order to protect this species in our country, we propose to establish its status as NT-Near Threatened. For other species of Cerambycidae the rarity criteria have not yet been assessed.

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CONCLUSIONS

As a result of inventory of Cerambycidae collected during spring-summer of 2009 and 2010 years, 143 specimens of coleopterans, belonging to 28 genera and 40 species were revealed. Between mentioned in our paper species 35 are characteristic for the forest ecosystems, and the species of the genus *Dorcadion* are characteristic for open, sunny spaces.

According to rarity criteria one species *Pilemia tigrina* is protected (Natura 2000 and Emerald Network) included in the Annex II of the Habitat Directive. Other 13 species have been included in the European Red List of saproxylic coleopteran species as LC (Least Concern). For the Republic of Moldova, we propose to establish the status of the Plagionotus detritus species as NT (Near Threatened).

To protect Cerambycidae species it is necessary to protect their habitats.

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