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## **A study on the longhorn beetles (Coleoptera: Cerambycidae) from north-western Iran**

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**Abstract:** The fauna of Cerambycidae (Coleoptera) of northwestern Iran (Ardabil, East Azarbayjan and West Azarbayjan provinces) is studied in this paper. In a total 258 species from 78 genera and 6 subfamilies including, Aseminae, Cerambycinae, Lamiinae, Lepturinae, Prioninae and Spondylidinae were collected and determined from the mentioned region.

**Key words:** Coleoptera, Longhorn beetles, Cerambycidae, north-western Iran.

### **Introduction**

Longhorn beetles (Cerambycidae) are a group of insects belonging to the most attractive taxa for collectors all over the world. To date more than 25,000 species of Cerambycidae have been described worldwide, and there are possibly many more (Sama *et al.*, 2010). The longhorn beetles are classified together with the Chrysomelidae and Bruchidae in the superfamily Chrysomeloidea. But, some authors recognized Cerambycidae as a separate superfamily Cerambycoidea (Svacha & Danilevsky, 1986).

Most of the longhorn beetles are elongate and cylindrical with long antennae. The eyes are usually strongly notched. The tarsi appear to be composed of four segments with the third segment bilobed, but they are actually five-segmented. The fourth segment is small and concealed in the notch of the third segment; it is often very difficult to see (Ozdikmen & Caglar, 2004). All longhorn beetles are xylophagous and phytophagous. Larvae of longhorn beetles develop in plant tissues. Most of the beetles are wood-boring in the larval stage and many species are very destructive to shaded forest fruit trees and to freshly cut logs. They chew larval tunnels in the wood (both living and dead plants). Different species attack different types of trees and shrubs. A few will attack living trees, but most species appear to prefer freshly cut logs or weakened and dying trees or branches. Larvae pupate either in host plants or in soil. Adults of the longhorn beetles can be found on flowers, leaves, wood, herbs etc (Danilevsky & Miroshnikov, 1985, 1986; Jenis, 2001).

The Iranian Cerambycidae fauna has been poorly studied so far (Modares Awal, 1997, 2005;

Sama *et al.*, 2005; Sama, 2007; Sakenin Chelav *et al.*, 2008; Özdikmen *et al.*, 2009). In this paper, the monitoring of Cerambycidae species occurring in some regions of north-western Iran by using a fermenting bait trap collection method is described.

#### Materials and Methods

Specimens were collected during 2005 and 2009 by using fermenting bait traps in three provinces, viz. Ardabil, East Azarbayjan and West Azarbayjan. For this purpose, a total of 5 fermenting bait traps were hung in each orchard. The traps were charged with a mixture containing wine (100 ml), water (900 ml), sugar (25 g), and vinegar (25 ml) (Tezcan and Can, 2009). The traps were checked for the presence of beetles during weekly intervals from the beginning of June until the end of October. Additional to the above-mentioned method, some materials were collected by sweeping nets. In this paper the classification and nomenclature of the longhorn beetles suggested by Danilevsky (2004) and Althoff & Danilevsky (1997) are followed. Within the subfamilies and genera, the genera and species are listed alphabetically.

#### List of Species

A total of 258 species from 78 genera of longhorn beetles were collected and identified from different regions of north-western Iran. The list of species is given below.

##### Subfamily Aseminae Tribe Asemini

*Arhopalus rusticus rusticus* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Arhopalus syriacus* (Reitter, 1895)

Distribution in Iran: Ardabil province: Germy.

*Arhopalus tristis* (Fabricius, 1787)

Distribution in Iran: West Azarbayjan province: Naghadeh.

##### Subfamily Cerambycinae Tribe Achrysonini

*Icosium tomentosum* Lucas, 1854

Distribution in Iran: East Azarbayjan province: Shabestar.

##### Tribe Anaglyptini

*Anaglyptus mysticoides* (Reitter, 1894)

Distribution in Iran: East Azarbayjan province: Sarab.

*Anaglyptus mysticus* (Linnaeus, 1758)

Distribution in Iran: Ardabil province: Meshkinshahr.

##### Tribe Callichromatini

*Aromia moschata ambrosiaca* (Steven, 1809)

Distribution in Iran: West Azarbayjan province: Ourmieh.

*Aromia moschata ssp. moschata* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Salmas.

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Tribe Callidini

*Hylotrupes bajulus* (Linnaeus, 1758)

Distribution in Iran: Ardabil province: Khalkhal.

*Leioderes tuerki* Ganglbauer, 1885

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Poecilium alni alni* (Linnaeus, 1767)

Distribution in Iran: West Azarbayjan province: Shahindezh.

*Ropalopus clavipes* (Fabricius, 1775)

Distribution in Iran: Ardabil province: Ardabil.

Tribe Cerambycini

*Cerambyx carinatus* (Küster, 1846)

Distribution in Iran: Ardabil province: Aslandooz.

*Cerambyx (Cerambyx) cerdo cerdo* Linnaeus, 1758

Distribution in Iran: Ardabil province: Bilehsavar.

*Cerambyx dux* (Faldermann, 1837)

Distribution in Iran: West Azarbayjan province: Myandoab.

*Cerambyx (Cerambyx) miles* Bonelli, 1812

Distribution in Iran: East Azarbayjan province: Myaneh.

*Cerambyx nodulosus* Germar, 1817

Distribution in Iran: East Azarbayjan province: Jolfa.

*Cerambyx (Cerambyx) welensii* (Küster, 1845)

Distribution in Iran: West Azarbayjan province: Takab.

*Cerambyx (Microcerambyx) scopolii* Fuessly, 1775

Distribution in Iran: Ardabil province: Pars-Abad.

Tribe Certallini

*Certallum ebulinum* (Linnaeus, 1767)

Distribution in Iran: Ardabil province: Meshkinshahr.

*Certallum thoracicum* Sharp, 1880

Distribution in Iran: East Azarbayjan province: Tabriz.

Tribe Clytini

*Chlorophorus aegyptiacus* (Fabricius, 1775)

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Chlorophorus gratiosus sparsus* (Reitter, 1886)

Distribution in Iran: East Azarbayjan province: Maragheh.

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*Chlorophorus hungaricus* Seidlitz, 1891

Distribution in Iran: West Azarbayjan province: Oshnavieh.

*Chlorophorus nivipictus* (Kraatz, 1879)

Distribution in Iran: West Azarbayjan province: Mahabad.

*Chlorophorus sartor* (Müller, 1766)

Distribution in Iran: East Azarbayjan province: Bostan-Abad.

*Chlorophorus trifasciatus* (Fabricius, 1781)

Distribution in Iran: Ardabil province: Germy.

*Chlorophorus varius damascenus* (Chevrolat, 1854)

Distribution in Iran: West Azarbayjan province: Maco.

*Clytus ciliciensis* (Chevrolat, 1863)

Distribution in Iran: Ardabil province: Meshkinshahr.

*Clytus rhamni* Germar, 1817

Distribution in Iran: East Azarbayjan province: Myaneh.

*Echinocerus floralis* (Pallas, 1773)

Distribution in Iran: West Azarbayjan province: Bukan.

*Neoplagionotus bobelayei* (Brullé, 1832)

Distribution in Iran: West Azarbayjan province: Sero.

*Plagionotus arcuatus* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Plagionotus (Neoplagionotus) bobelayei* (Brullé, 1832)

Distribution in Iran: East Azarbayjan province: Arasbaran.

*Plagionotus detritus* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Ourmieh.

*Plagionotus (Echinocerus) floralis* (Pallas, 1773)

Distribution in Iran: West Azarbayjan province: Myandoab.

*Xylotrechus (Xylotrechus) antilope* (Schönherr, 1817)

Distribution in Iran: Ardabil province: Aslandooz.

*Xylotrechus (Xylotrechus) rusticus* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Naghadeh.

Tribe Dellini

*Deilus fugax* (Olivier, 1790)

Distribution in Iran: East Azarbayjan province: Sarab.

Tribe Hesperophanini

*Hesperophanes sericeus* (Fabricius, 1787)

Distribution in Iran: West Azarbayjan province: Piranshahr.

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*Stromatium unicolor* (Olivier, 1795)

Distribution in Iran: East Azarbayjan province: Jolfa.

*Trichoferus fasciculatus* (Faldermann, 1837)

Distribution in Iran: Ardabil province: Meshkinshahr.

*Trichoferus griseus* (Fabricius, 1792)

Distribution in Iran: Ardabil province: Ardabil.

*Trichoferus holosericeus* (Rossi, 1790)

Distribution in Iran: West Azarbayjan province: Salmas.

Tribe Hyboderini

*Lampropterus femoratus* (Germar, 1824)

Distribution in Iran: West Azarbayjan province: Sero.

Tribe Hylotrupini

*Hylotrupes bajulus* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Shahindezh.

Tribe Molorchini

*Brachypteroma ottomanum* Heyden, 1863

Distribution in Iran: Ardabil province: Bilehsavar.

*Glaphyra kiesenwetteri hircus* (Abeille de Perrin, 1881)

Distribution in Iran: Ardabil province: Pars-Abad.

*Glaphyra umbellatarum* (Schreber, 1759)

Distribution in Iran: West Azarbayjan province: Piranshahr.

Tribe Nathriini

*Nathrius brevipennis* (Mulsant, 1839)

Distribution in Iran: West Azarbayjan province: Piranshahr.

Tribe Phoracanthini

*Phoracantha semipunctata* (Fabricius, 1775)

Distribution in Iran: West Azarbayjan province: Mahabad.

Tribe Purpuricenini

*Purpuricenus budensis* (Götz, 1783)

Distribution in Iran: East Azarbayjan province: Arasbaran.

*Purpuricenus caucasicus* Pic, 1902

Distribution in Iran: East Azarbayjan province: Shabestar.

*Purpuricenus dalmatinus* Sturm, 1843

Distribution in Iran: East Azarbayjan province: Hashtrood.

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*Purpuricenus desfontainei* (Fabricius, 1792)

Distribution in Iran: West Azarbayjan province: Takab.

*Purpuricenus nanus* Semenov, 1907

Distribution in Iran: West Azarbayjan province: Khoy.

Tribe Stenopterini

*Stenopterus atricornis* Pic, 1891

Distribution in Iran: West Azarbayjan province: Oshnavieh.

*Stenopterus flavicornis* Küster, 1846

Distribution in Iran: West Azarbayjan province: Ourmieh.

*Stenopterus kraatzi* (Pic, 1892)

Distribution in Iran: West Azarbayjan province: Sero.

*Stenopterus rufus syriacus* Pic, 1892

Distribution in Iran: East Azarbayjan province: Myaneh.

Tribe Trachyderini

*Purpuricenus budensis budensis* (Götz, 1783)

Distribution in Iran: Ardabil province: Bilehsavar.

*Purpuricenus dalmatinus* Sturm, 1843

Distribution in Iran: West Azarbayjan province: Myandoab.

*Purpuricenus desfontainei inhumeralis* Pic, 1891

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Purpuricenus wachanrui* Levrat, 1858

Distribution in Iran: West Azarbayjan province: Naghadeh.

Subfamily Lamiinae  
Tribe Acanthoderini

*Aegomorphus clavipes* (Schrank, 1781)

Distribution in Iran: Ardabil province: Khalkhal.

Tribe Acanthocinini

*Acanthocinus aedilis* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Mahabad.

*Acanthocinus griseus* (Fabricius, 1792)

Distribution in Iran: West Azarbayjan province: Myandoab.

Tribe Agapanthiini

*Agapanthia (Agapanthiella) asphodeli* (Latreille, 1804)

Distribution in Iran: Ardabil province: Meshkinshahr.

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*Agapanthia (Agapanthia) cardui* (Linnaeus, 1767)

Distribution in Iran: Ardabil province: Germy.

*Agapanthia (Agapanthiella) lateralis* Ganglbauer, 1884

Distribution in Iran: East Azarbayjan province: Sofian.

*Agapanthia (Agapanthiella) villosoviridescens* (De Geer, 1775)

Distribution in Iran: West Azarbayjan province: Bukan.

*Agapanthia (Epoptes) cynarae cynarae* (Germar, 1817)

Distribution in Iran: West Azarbayjan province: Salmas.

*Agapanthia (Epoptes) dahli* (Richter, 1820)

Distribution in Iran: Ardabil province: Ardabil.

*Agapanthia (Smaragdula) frivaldszkyi* Ganglbauer, 1884

Distribution in Iran: East Azarbayjan province: Maragheh.

*Agapanthia (Smaragdula) lais* Reiche & Saulcy, 1858

Distribution in Iran: East Azarbayjan province: Arasbaran.

*Agapanthia (Smaragdula) violacea* (Fabricius, 1775)

Distribution in Iran: East Azarbayjan province: Sarab.

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

Distribution in Iran: Ardabil province: Ardabil.

*Agapanthia (s.str.) suturalis* (Fabricius, 1787)

Distribution in Iran: West Azarbayjan province: Ourmieh.

*Calamobius filum* (Rossi, 1790)

Distribution in Iran: West Azarbayjan province: Piranshahr.

Tribe Batocerini

*Batocera rufomaculata* (De Geer, 1775)

Distribution in Iran: West Azarbayjan province: Sero.

Tribe Dorcadiini

*Dorcadion (Carinatodorcadion) hybridum* Ganglbauer, 1884

Distribution in Iran: East Azarbayjan province: Shabestar.

*Dorcadion (Cribridorcadion) accola* Heyden, 1894

Distribution in Iran: East Azarbayjan province: Tabriz.

*Dorcadion (Cribridorcadion) albolineatum* Küster, 1847

Distribution in Iran: West Azarbayjan province: Ourmieh.

*Dorcadion (Cribridorcadion) anatolicum* Pic, 1900

Distribution in Iran: Ardabil province: Meshkinshahr.

*Dorcadion (Cribridorcadion) angorense* Ganglbauer, 1897

Distribution in Iran: West Azarbayjan province: Mahabad.

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*Dorcadion (Cribridorcadion) arcivagum* Thomson, 1867  
Distribution in Iran: East Azarbayjan province: Arasbaran.

*Dorcadion (Cribridorcadion) arenarium* (Scopoli, 1763)  
Distribution in Iran: Ardabil province: Meshkinshahr.

*Dorcadion (Cribridorcadion) auratum* Tournier, 1872  
Distribution in Iran: West Azarbayjan province: Piranshahr.

*Dorcadion (Cribridorcadion) bangi* Heyden, 1894  
Distribution in Iran: Ardabil province: Ardabil.

*Dorcadion (Cribridorcadion) bisignatum* Jakovlev, 1899  
Distribution in Iran: West Azarbayjan province: Naghadeh.

*Dorcadion (Cribridorcadion) bodemeyeri* Daniel, 1900  
Distribution in Iran: East Azarbayjan province: Arasbaran.

*Dorcadion (Cribridorcadion) boszdaghense* Fairmaire, 1866  
Distribution in Iran: West Azarbayjan province: Maco.

*Dorcadion (Cribridorcadion) cachinno* Thomson, 1868  
Distribution in Iran: Ardabil province: Bilehsavar.

*Dorcadion (Cribridorcadion) carinipenne* Pic, 1900  
Distribution in Iran: Ardabil province: Pars-Abad.

*Dorcadion (Cribridorcadion) cinctellum* Fairmaire, 1866  
Distribution in Iran: West Azarbayjan province: Maco.

*Dorcadion (Cribridorcadion) complanatum* Ganglbauer, 1884  
Distribution in Iran: West Azarbayjan province: Ourmieh.

*Dorcadion (Cribridorcadion) condensatum* Küster, 1852  
Distribution in Iran: West Azarbayjan province: Oshnavieh.

*Dorcadion (Cribridorcadion) confluens* Fairmaire, 1866  
Distribution in Iran: East Azarbayjan province: Arasbaran.

*Dorcadion (Cribridorcadion) dimidiatum* Motschulsky, 1838  
Distribution in Iran: Ardabil province: Meshkinshahr.

*Dorcadion (Cribridorcadion) divisum* Germar, 1839  
Distribution in Iran: West Azarbayjan province: Bukan.

*Dorcadion (Cribridorcadion) elegans* Kraatz, 1873  
Distribution in Iran: Ardabil province: Bilehsavar.

*Dorcadion (Cribridorcadion) ferruginipes* Ménériés, 1836  
Distribution in Iran: East Azarbayjan province: Sarab.

*Dorcadion (Cribridorcadion) formosum* Kraatz, 1870  
Distribution in Iran: East Azarbayjan province: Maragheh.



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*Dorcadion (Cribridorcadion) glabrofasciatum* Daniel, 1901  
Distribution in Iran: West Azarbayjan province: Piranshahr.

*Dorcadion (Cribridorcadion) glaucum* Faldermann, 1837  
Distribution in Iran: Ardabil province: Germy.

*Dorcadion (Cribridorcadion) haemorrhoidale* Hampe, 1852  
Distribution in Iran: East Azarbayjan province: Myaneh.

*Dorcadion (Cribridorcadion) hampii* Mulsant & Rey, 1863  
Distribution in Iran: West Azarbayjan province: Salmas.

*Dorcadion (Cribridorcadion) holosericeum* Krynicki, 1832  
Distribution in Iran: East Azarbayjan province: Sofian.

*Dorcadion (Cribridorcadion) holtzi* (Pic, 1905)  
Distribution in Iran: Ardabil province: Pars-Abad.

*Dorcadion (Cribridorcadion) impressicolle* Kraatz, 1873  
Distribution in Iran: West Azarbayjan province: Naghadeh.

*Dorcadion (Cribridorcadion) infernale* Mulsant & Rey, 1863  
Distribution in Iran: West Azarbayjan province: Myandoab.

*Dorcadion (Cribridorcadion) kagyzmanicum* Suvorov, 1915  
Distribution in Iran: East Azarbayjan province: Tabriz.

*Dorcadion (Cribridorcadion) kindermanni* Walth, 1838  
Distribution in Iran: East Azarbayjan province: Shabestar.

*Dorcadion (Cribridorcadion) laeve* Faldermann, 1837  
Distribution in Iran: East Azarbayjan province: Bostan-Abad.

*Dorcadion (Cribridorcadion) ledereri* Thomson, 1865  
Distribution in Iran: East Azarbayjan province: Myaneh.

*Dorcadion (Cribridorcadion) linderi* Tournier, 1872  
Distribution in Iran: West Azarbayjan province: Naghadeh.

*Dorcadion (Cribridorcadion) litigiosum* Ganglbauer, 1884  
Distribution in Iran: Ardabil province: Ardabil.

*Dorcadion (Cribridorcadion) merkli* Ganglbauer, 1884  
Distribution in Iran: East Azarbayjan province: Maragheh.

*Dorcadion (Cribridorcadion) minutum* Kraatz, 1873  
Distribution in Iran: Ardabil province: Khalkhal.

*Dorcadion (Cribridorcadion) mnischechi* Kraatz, 1873  
Distribution in Iran: East Azarbayjan province: Jolfa.

*Dorcadion (Cribridorcadion) nitidum* Motschulsky, 1838  
Distribution in Iran: West Azarbayjan province: Mahabad.

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*Dorcadion (Cribridorcadion) niveisparsum* Thomson, 1865  
Distribution in Iran: West Azarbayjan province: Sero.

*Dorcadion (Cribridorcadion) nobile* Hampe, 1852  
Distribution in Iran: East Azarbayjan province: Myaneh.

*Dorcadion (Cribridorcadion) piochardi* Kraatz, 1873  
Distribution in Iran: Ardabil province: Germy.

*Dorcadion (Cribridorcadion) pluto* Thomson, 1867  
Distribution in Iran: Ardabil province: Pars-Abad.

*Dorcadion (Cribridorcadion) preissi* Heyden, 1894  
Distribution in Iran: Ardabil province: Meshkinshahr.

*Dorcadion (Cribridorcadion) pusillum* Küster, 1847  
Distribution in Iran: Ardabil province: Germy.

*Dorcadion (Cribridorcadion) quadripustulatum* Kraatz, 1873  
Distribution in Iran: West Azarbayjan province: Maco.

*Dorcadion (Cribridorcadion) reitteri* Ganglbauer, 1884  
Distribution in Iran: East Azarbayjan province: Bostan-Abad.

*Dorcadion (Cribridorcadion) robustum* Ganglbauer, 1884  
Distribution in Iran: West Azarbayjan province: Myandoab.

*Dorcadion (Cribridorcadion) sareptanum* Kraatz, 1873  
Distribution in Iran: East Azarbayjan province: Arasbaran.

*Dorcadion (Cribridorcadion) saulcyi* Thomson, 1865  
Distribution in Iran: West Azarbayjan province: Piranshahr.

*Dorcadion (Cribridorcadion) scabricolle* Dalman, 1817  
Distribution in Iran: West Azarbayjan province: Salmas.

*Dorcadion (Cribridorcadion) schultzei* Heyden, 1894  
Distribution in Iran: Ardabil province: Germy.

*Dorcadion (Cribridorcadion) semilineatum* Fairmaire, 1866  
Distribution in Iran: Ardabil province: Meshkinshahr.

*Dorcadion (Cribridorcadion) semilucens* Kraatz, 1873  
Distribution in Iran: West Azarbayjan province: Bukan.

*Dorcadion (Cribridorcadion) seminudum* Kraatz, 1873  
Distribution in Iran: West Azarbayjan province: Mahabad.

*Dorcadion (Cribridorcadion) septemlineatum* Waltl, 1838  
Distribution in Iran: West Azarbayjan province: Maco.

*Dorcadion (Cribridorcadion) sericatum* Sahlberg, 1823  
Distribution in Iran: West Azarbayjan province: Oshnavieh.

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*Dorcadion (Cribridorcadion) smyrnense* (Linnaeus, 1757)

Distribution in Iran: East Azarbayjan province: Bonab.

*Dorcadion (Cribridorcadion) striolatum* Kraatz, 1873

Distribution in Iran: West Azarbayjan province: Takab.

*Dorcadion (Cribridorcadion) sturmi* Frivaldsky, 1837

Distribution in Iran: Ardabil province: Aslandooz.

*Dorcadion (Cribridorcadion) subvestitum* Daniel, 1900

Distribution in Iran: East Azarbayjan province: Jolfa.

*Dorcadion (Cribridorcadion) tuerki* Ganglbauer, 1884

Distribution in Iran: East Azarbayjan province: Sarab.

*Dorcadion (Cribridorcadion) variegatum* Ganglbauer, 1884

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Dorcadion (Cribridorcadion) wagneri* Küster, 1846

Distribution in Iran: West Azarbayjan province: Mahabad.

*Dorcadion (Dorcadion) gebleri* Kraatz, 1873

Distribution in Iran: East Azarbayjan province: Myaneh.

*Dorcadion (Dorcadion) glycyrrhizae* (Pallas, 1773)

Distribution in Iran: East Azarbayjan province: Jolfa.

*Dorcadion (Maculatodorcadion) triste* Frivaldsky, 1845

Distribution in Iran: Ardabil province: Bilehsavar.

*Iberodorcadion (Iberodorcadion) fuliginator* (Linnaeus, 1758)

Distribution in Iran: Ardabil province: Germy.

*Iberodorcadion (Iberodorcadion) mucidum* (Dalman, 1817)

Distribution in Iran: West Azarbayjan province: Ourmieh.

*Iberodorcadion (Iberodorcadion) heydeni* (Kraatz, 1870)

Distribution in Iran: Ardabil province: Ardabil.

*Iberodorcadion (Iberodorcadion) molitor* (Fabricius, 1775)

Distribution in Iran: West Azarbayjan province: Oshnavieh.

*Neodorcadion bilineatum* (Germar, 1824)

Distribution in Iran: West Azarbayjan province: Khoy.

*Neodorcadion exornatum* (Frivaldsky, 1835)

Distribution in Iran: East Azarbayjan province: Shabestar.

*Neodorcadion fallax* (Kraatz, 1873)

Distribution in Iran: Ardabil province: Ardabil.

*Neodorcadion laqueatum* (Waltl, 1838)

Distribution in Iran: Ardabil province: Khalkhal.

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*Neodorcadion orientale* Ganglbauer, 1884

Distribution in Iran: West Azarbayjan province: Naghadeh.

*Neodorcadion pelleti* (Mulsant & Rey, 1863)

Distribution in Iran: West Azarbayjan province: Bukan.

*Neodorcadion virleti* (Brullé, 1832)

Distribution in Iran: Ardabil province: Bilehsavar.

Tribe Hippopsini

*Calamobius filum* (Rossi, 1790)

Distribution in Iran: East Azarbayjan province: Sarab.

*Theophilea cylindricollis* Pic, 1895

Distribution in Iran: East Azarbayjan province: Tabriz.

Tribe Lamiini

*Herophila tristis* (Linnaeus, 1767)

Distribution in Iran: West Azarbayjan province: Myandoab.

*Morimus ganglbaueri* Reitter, 1894

Distribution in Iran: West Azarbayjan province: Piranshahr.

Tribe Monochamini

*Monochamus galloprovincialis* (Olivier, 1795)

Distribution in Iran: Ardabil province: Pars-Abad.

Tribe Phytoeciini

*Blepisanis vittipennis* (Reiche, 1877)

Distribution in Iran: East Azarbayjan province: Arasbaran.

*Coptosia (Coptosia) bithynensis* (Ganglbauer, 1884)

Distribution in Iran: East Azarbayjan province: Maragheh.

*Coptosia sancta* (Reiche, 1877)

Distribution in Iran: Ardabil province: Pars-Abad.

*Helladia humeralis* (Waltl, 1838)

Distribution in Iran: East Azarbayjan province: Bostan-Abad.

*Oberea (Amaurostoma) erythrocephala* (Schrank, 1776)

Distribution in Iran: West Azarbayjan province: Oshnavieh.

*Oberea (s.str.) linearis* (Linnaeus, 1761)

Distribution in Iran: West Azarbayjan province: Naghadeh.

*Oberea (Oberea) oculata* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Myandoab.

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*Oberea (Amaurostoma) erythrocephala* (Schrank, 1776)

Distribution in Iran: West Azarbayjan province: Mahabad.

*Opsilia coerulescens* (Scopoli, 1763)

Distribution in Iran: Ardabil province: Meshkinshahr.

*Opsilia uncinata* (Redtenbacher, 1842)

Distribution in Iran: West Azarbayjan province: Oshnavieh.

*Oxyilia argentata languida* (Ménétriés, 1839)

Distribution in Iran: East Azarbayjan province: Jolfa.

*Oxyilia languida* Mulsant, 1863

Distribution in Iran: Ardabil province: Germy.

*Oxyilia duponcheli* (Brullé, 1832)

Distribution in Iran: West Azarbayjan province: Shahindezh.

*Phytoecia (Blepisanis) vittipennis* Reiche, 1877

Distribution in Iran: West Azarbayjan province: Ourmieh.

*Phytoecia (Helladia) adelpha* Ganglbauer, 1886

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Phytoecia (Helladia) armeniaca armeniaca* Frivaldsky, 1878

Distribution in Iran: West Azarbayjan province: Salmas.

*Phytoecia (Helladia) humeralis* (Waltl, 1838)

Distribution in Iran: East Azarbayjan province: Maragheh.

*Phytoecia (Musaria) astarte astarte* Ganglbauer, 1886

Distribution in Iran: East Azarbayjan province: Bonab.

*Phytoecia (Musaria) wachanrui* Mulsant, 1851

Distribution in Iran: West Azarbayjan province: Maco.

*Phytoecia (Neomusaria) merkli* Ganglbauer, 1884

Distribution in Iran: Ardabil province: Bilehsavar.

*Phytoecia (Opsilia) coerulescens* (Scopoli, 1763)

Distribution in Iran: Ardabil province: Meshkinshahr.

*Phytoecia (Pilemia) annulata* Hampe, 1852

Distribution in Iran: Ardabil province: Pars-Abad.

*Phytoecia (Pilemia) hirsutula hirsutula* (Frölich, 1793)

Distribution in Iran: West Azarbayjan province: Ourmieh.

*Phytoecia (s.str.) caerulea baccueti* (Brullé, 1832)

Distribution in Iran: East Azarbayjan province: Bostan-Abad.

*Phytoecia (s.str.) caerulea caerulea* (Scopoli, 1772)

Distribution in Iran: East Azarbayjan province: Sarab.

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*Phytoecia croceipes* Reiche et Saulcy, 1858

Distribution in Iran: East Azarbayjan province: Shabestar.

*Phytoecia cylindrica* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Maco.

*Phytoecia (s.str.) geniculata* Mulsant, 1862

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Phytoecia (s.str.) icterica* (Schaller, 1783)

Distribution in Iran: Ardabil province: Khalkhal.

*Phytoecia (s.str.) manicata* Reiche & Saulcy, 1858

Distribution in Iran: Ardabil province: Ardabil.

*Phytoecia (s.str.) pustulata pustulata* (Schrank, 1776)

Distribution in Iran: Ardabil province: Pars-Abad.

*Phytoecia rufipes* (Olivier, 1795)

Distribution in Iran: Ardabil province: Bilehsavar.

*Phytoecia (s.str.) virgula* (Charpentier, 1825)

Distribution in Iran: East Azarbayjan province: Maragheh.

*Pilemia hirsutula* (Frölich, 1793)

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Pilemia tigrina* Mulsant, 1851

Distribution in Iran: East Azarbayjan province: Shabestar.

### Tribe Pogonocherini

*Pogonocerus (Pogonocerus) perroudi* Mulsant, 1839

Distribution in Iran: East Azarbayjan province: Sofian.

### Tribe Pteropliini

*Niphona picticornis* Mulsant, 1839

Distribution in Iran: West Azarbayjan province: Sero.

### Tribe Saperdini

*Saperda (Anaerea) carcharias* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Naghadeh.

*Saperda (Compsidia) quercus ocellata* Abeille de Perrin, 1895

Distribution in Iran: Ardabil province: Germy.

*Saperda (Compsidia) populnea* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Maco.

*Saperda (Lopezcolonia) punctata* (Linnaeus, 1767)

Distribution in Iran: East Azarbayjan province: Myaneh.

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Tribe Tetropini

*Tetrops praeustus* (Linnaeus, 1758)

Distribution in Iran: West Azarbayjan province: Ourmieh.

Subfamily Lepturinae

Tribe Lepturini

*Alosterna bicoloripes* Pic, 1914

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Anastrangalia dubia dubia* (Scopoli, 1763)

Distribution in Iran: East Azarbayjan province: Arasbaran.

*Anastrangalia sanguinolenta* (Linnaeus, 1760)

Distribution in Iran: West Azarbayjan province: Ourmieh.

*Anastrangalia montana montana* (Mulsant &Rey, 1863)

Distribution in Iran: West Azarbayjan province: Myandoab.

*Etorofus pubescens* (Fabricius, 1787)

Distribution in Iran: Ardabil province: Meshkinshahr.

*Grammoptera merkli* Frivaldsky, 1884

Distribution in Iran: West Azarbayjan province: Myandoab.

*Pachytodes erraticus erraticus* (Dalman, 1817)

Distribution in Iran: East Azarbayjan province: Jolfa.

*Paracorymbia cordigera* (Füsslins, 1775)

Distribution in Iran: West Azarbayjan province: Bukan.

*Paracorymbia fulva* (DeGeer, 1775)

Distribution in Iran: East Azarbayjan province: Sarab.

*Pedostrangalia (Etorufus) pubescens* (Fabricius, 1787)

Distribution in Iran: East Azarbayjan province: Tabriz.

*Pedostrangalia (Neosphenalia) emmipoda* (Mulsant, 1863)

Distribution in Iran: Ardabil province: Aslandooz.

*Pedostrangalia (Neosphenalia) verticalis* (Germar, 1822)

Distribution in Iran: West Azarbayjan province: Piranshahr.

*Pedostrangalia (Pedostrangalia) imberbis* (Menetries, 1832)

Distribution in Iran: West Azarbayjan province: Maco.

*Pedostrangalia (Pedostrangalia) revestita* (Linnaeus, 1767)

Distribution in Iran: Ardabil province: Khalkhal.

*Pedostrangalia (Sphenalia) adaliae* (Reitter, 1885)

Distribution in Iran: East Azarbayjan province: Hashtrood.

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*Pedostrangalia (Sphenalia) emmipoda* (Mulsant, 1863)  
Distribution in Iran: West Azarbayjan province: Piranshahr.

*Pedostrangalia (Sphenalia) emmipoda* (Mulsant, 1863)  
Distribution in Iran: West Azarbayjan province: Salmas.

*Pedostrangalia (Sphenalia) verticalis* (Germar, 1822)  
Distribution in Iran: East Azarbayjan province: Shabestar.

*Pedostrangalia (Sphenalia) verticenigra* (Pic, 1892)  
Distribution in Iran: Ardabil province: Pars-Abad.

*Pseudovadonia livida* (Fabricius, 1776)  
Distribution in Iran: East Azarbayjan province: Arasbaran.

*Rutpela maculata maculata* (Poda, 1761)  
Distribution in Iran: East Azarbayjan province: Myaneh.

*Stenurella bifasciata nigrosuturalis* (Reitter, 1895)  
Distribution in Iran: Ardabil province: Germy.

*Stenurella melanura* (Linnaeus, 1758)  
Distribution in Iran: West Azarbayjan province: Ourmieh.

*Stenurella septempunctata* (Fabricius, 1792)  
Distribution in Iran: West Azarbayjan province: Mahabad.

*Stictoleptura cordigera cordigera* (Fuessly, 1775)  
Distribution in Iran: West Azarbayjan province: Piranshahr.

*Stictoleptura excisipes* (Daniel, 1891)  
Distribution in Iran: West Azarbayjan province: Naghadeh.

*Stictoleptura fulva* (DeGeer, 1775)  
Distribution in Iran: West Azarbayjan province: Piranshahr.

*Stictoleptura rufa rufa* (Brullé, 1832)  
Distribution in Iran: West Azarbayjan province: Khoy.

*Stictoleptura scutellata* (Fabricius, 1781)  
Distribution in Iran: Ardabil province: Ardabil.

*Stictoleptura tesserula* (Charpentier, 1825)  
Distribution in Iran: East Azarbayjan province: Myaneh.

*Stictoleptura tripartita* (Heyden, 1889)  
Distribution in Iran: Ardabil province: Bilehsavar.

*Vadonia bitlisiensis* Chevrolat, 1882  
Distribution in Iran: West Azarbayjan province: Ourmieh.

*Vadonia ciliciensis* (Daniel & Daniel, 1891)  
Distribution in Iran: Ardabil province: Germy.



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*Vadonia unipunctata unipunctata* (Fabricius, 1787)

Distribution in Iran: East Azarbayjan province: Tabriz.

Tribe Rhagini

*Cortodera colchica colchica* Reitter, 1890

Distribution in Iran: East Azarbayjan province: Arasbaran.

*Cortodera differens* Pic, 1898

Distribution in Iran: East Azarbayjan province: Jolfa.

*Cortodera discolor* Fairmaire, 1866

Distribution in Iran: East Azarbayjan province: Arasbaran.

*Cortodera flavimana* (Waltl, 1838)

Distribution in Iran: East Azarbayjan province: Arasbaran.

*Cortodera holosericea* (Fabricius, 1801)

Distribution in Iran: West Azarbayjan province: Khoy.

*Cortodera humeralis* (Schaller, 1783)

Distribution in Iran: East Azarbayjan province: Sarab.

*Cortodera rubripennis* Pic, 1891

Distribution in Iran: Ardabil province: Germy.

*Dinoptera collaris* (Linnaeus, 1758)

Distribution in Iran: Ardabil province: Ardabil.

*Stenocorus auricomus* (Reitter, 1890)

Distribution in Iran: West Azarbayjan province: Piranshahr.

Subfamily Prioninae

Tribe Aegosomatini

*Aegosoma scabricorne* (Scopoli, 1763)

Distribution in Iran: East Azarbayjan province: Shabestar.

Tribe Ergatini

*Callergates gaillardoti* (Chevrolat, 1854)

Distribution in Iran: West Azarbayjan province: Salmas.

Tribe Macrotomini

*Prinobius myardi* Mulsant, 1842)

Distribution in Iran: West Azarbayjan province: Bukan.

*Rhaesus serricollis* (Motschulsky, 1838)

Distribution in Iran: East Azarbayjan province: Arasbaran.

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### Tribe Prionini

*Mesoprionus besikanus* (Fairmaire, 1855)

Distribution in Iran: East Azarbayjan province: Maragheh.

*Prionus coriarius* (Linnaeus, 1758)

Distribution in Iran: Ardabil province: Bilehsavar.

### Tribe Remphanini

*Rhaesus serricollis* (Motschulsky, 1838)

Distribution in Iran: Ardabil province: Pars-Abad.

### Subfamily Spondylidinae

#### Tribe Spondylidini

*Spondylis buprestoides* (Linnaeus, 1758)

Distribution in Iran: East Azarbayjan province: Sarab.

## Discussion

The results of this research indicate that the Cerambycidae fauna is very diverse in north-western Iran. Among the different genera detected during this survey, *Dorcadion* is the most diverse with 69 collected species. This research dealt with only the species diversity of longhorn beetles in many regions located in north-western Iran. Research into the host plants of these diverse species can be an interesting program for other researchers. Iran as a large country with various geographical climates and since there is a very diverse Cerambycidae fauna, further faunal surveys in different regions of the country is very necessary for completing knowledge regarding the total biodiversity of Iranian Cerambycidae.

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