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**NEW RECORDS OF WEEVILS (COLEOPTERA: CURCULIONIDAE)  
FROM IRAN**

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**Summary.** Ten species, namely *Bagous biimpressus* Fåhraeus, 1845, *Memptorrhynchus brevipennis* (Kirsch, 1878), *Stenoscelis submuricata* (Schoenherr, 1832), *Aulacobaris picicornis* (Marsham, 1802), *Ceutorhynchus viator* Faust, 1885, *Glocianus fennicus* (Faust, 1895), *Mogulones fatidicus* (Gyllenhal, 1837), *Philernus farinosus* (Gebler, 1829), *Pseudorchestes sericeus* (Tournier, 1873), and *Cycloderes pilosulus* (Herbst, 1795), are newly recorded from Iran for the first time. *Labiaticola atricolor* Boheman, 1844 and *Chloebius steveni* Boheman, 1842 are first records for the fauna of Kordestan and Mazandaran provinces, respectively.

**Key words:** Coleoptera, Curculionidae, weevils, fauna, new records, Iran.

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**Резюме.** Впервые для фауны Ирана приводятся *Bagous biimpressus* Fåhraeus, 1845, *Memptorrhynchus brevipennis* (Kirsch, 1878), *Stenoscelis submuricata* (Schoenherr, 1832), *Aulacobaris picicornis* (Marsham, 1802), *Ceutorhynchus viator* Faust, 1885, *Glocianus fennicus* (Faust, 1895), *Mogulones fatidicus* (Gyllenhal, 1837), *Philernus farinosus* (Gebler, 1829), *Pseudorchestes sericeus* (Tournier, 1873) и *Cycloderes pilosulus* (Herbst, 1795). *Labiaticola atricolor* Boheman, 1844 впервые обнаружен в провинции Курдистан, а *Chloebius steveni* Boheman, 1842 – в провинции Мазендеран.

**INTRODUCTION**

The family Curculionidae with about 51000 described species in 4600 genera, is a taxon larger than any other in weevils (Curculionoidea) and comprises in excess of 80% of all weevil species (Curculionoidea comprises 62000 species worldwide) (Oberprieler *et al.*, 2007). The classification of Curculionidae into natural subfamilies and tribes probably remains the largest outstanding problem in the higher classification of Coleoptera (Oberprieler *et al.*, 2007; Legalov, 2018). Curculionidae occur all over the world, from the arctic zone in the north to

the subantarctic islands in the south, from beaches to mountain tops, from deserts to rainforests. They feed on virtually all plants, mainly angiosperms but also gymnosperms, pteridophytes, bryophytes and lichens and occasionally they even browse on algae and cyanobacteria (Anderson, O'Brien, 1996; Lanteri *et al.*, 2002; Colonnelli, 2003).

The fauna of Iranian Curculionoidea was quite poorly studied which included more than 800 species (Ghahari *et al.*, 2009; Legalov *et al.*, 2010; Ghahari *et al.*, 2010; Alonso-Zarazaga *et al.*, 2017). Regarding to the various geographical regions and climates and also diversity of host plants, numerous species are remainder to be discovered. The aim of this paper is a faunistic investigation on Iranian Curculionidae and introducing of 10 new country records.

## MATERIALS AND METHODS

The specimens of this research were collected by sweeping, beating tray, canopy fogging, leaf litter sifting and processing the samples through Berlese funnels, Malaise and flight intercept traps, and of course hand collecting by locating suitable hosts and searching for weevils (e.g. under the barks). Additionally, some materials were obtained from the insect collections of various universities. When available, information concerning date of collection, locality, coordinates, and number of specimens are also given. The specimens are kept in the Islamic Azad University (Iran: Tehran).

### NEW RECORDS

#### Family Curculionidae Latreille, 1802

#### Subfamily Eriirhininae Schoenherr, 1825

#### Tribe Bagoini Thomson, 1859

#### Genus *Bagous* Germar, 1817

#### *Bagous (Macropelmus) biimpressus* Fåhraeus, 1845

MATERIAL. **Iran:** Golestan Prov., Golestan National Park (Ghoosh-Cheshmeh), VIII 2007, 1 ex.

REMARK. This is the first record of *B. biimpressus* for the fauna of Iran.

#### Genus *Memptorrhynchus* Iablokoff-Khnzorian, 1960

#### *Memptorrhynchus brevipennis* (Kirsch, 1878)

MATERIAL. **Iran:** East Azarbaijan province, Varzaqan, 38°51'N/46°64'E, VIII 2011, 1 ex.

REMARK. This is the first record of *M. brevipennis* for the fauna of Iran.

#### Subfamily Cossoninae Schoenherr, 1825

#### Tribe Onycholipini Wollaston, 1873

#### Genus *Stenoscelis* Wollaston, 1861

#### *Stenoscelis submuricata* Schoenherr, 1832

MATERIAL. **Iran:** Golestan Prov., Golestan National Park (Dasht-e-Mirzabaylu), VIII 2007, 2 ex.

REMARK. This is the first record of *S. submuricata* for the fauna of Iran.

**Subfamily Conoderinae Schoenherr, 1833**

**Supertribe Bariditae Schoenherr, 1836**

**Tribe Baridini Schoenherr, 1836**

**Genus *Aulacobaris* Desbrochers des Loges, 1892**

***Aulacobaris picicornis picicornis* (Marsham, 1802)**

MATERIAL. **Iran:** Ardabil Prov., Givi, 37°68'N 48°34'E, VII 2008, 1 ex.

REMARK. This is the first record of *A. picicornis* for the fauna of Iran.

**Genus *Labiaticola* Alonso-Zarazaga et Lyal, 1999**

***Labiaticola atricolor* (Boheman, 1844)**

MATERIAL. **Iran:** Kordestan Prov., Bijar, 35°52'N 47°36'E, VII 2014, 1 ex.

REMARK. This is the first record of *L. atricolor* for the fauna of Kordestan province.

**Supertribe Ceutorhynchitae Gistel, 1848**

**Tribe Ceutorhynchini Gistel, 1848**

**Genus *Ceutorhynchus* Germar, 1823**

***Ceutorhynchus viator* Faust, 1885**

MATERIAL. **Iran:** Golestan Prov., Golestan National Park (Ghoosh-Cheshmeh), VIII 2007, 2 ex.

REMARK. This is the first record of *C. viator* for the fauna of Iran.

**Genus *Glocianus* Reitter, 1916**

***Glocianus fennicus* Faust, 1895**

MATERIAL. **Iran:** Guilan Prov., Siyahkal, 37°16'N 49°87'E, VI 2010, 2 ex.

REMARK. This is the first record of *G. fennicus* for the fauna of Iran.

**Genus *Mogulones* Reitter, 1916**

***Mogulones fatidicus* (Gyllenhal, 1837)**

MATERIAL. **Iran:** Ardabil Prov., Ardabil, 38°29'N 48°33'E, VI 2009, 1 ex.

REMARK. This is the first record of *M. fatidicus* for the fauna of Iran.

**Subfamily Curculioninae Latreille, 1802**

**Tribe Ellescini C.G. Thomson, 1859**

**Genus *Philernus* Schoenherr, 1835**

***Philernus farinosus* (Gebler, 1829)**

MATERIAL. **Iran:** Guilan Prov., Siyahkal, 37°16'N 49°87'E, VI 2010, 1 ex.

REMARK. This is the first record of *Ph. farinosus* for the fauna of Iran.

**Tribe Rhamphini Rafinesque, 1815**

**Subtribe Rhamphina Rafinesque, 1815**

**Genus *Pseudorchestes* Bedel, 1894**

***Pseudorchestes sericeus* (Tournier, 1873)**

MATERIAL. **Iran:** Razavi Khorasan Prov., Dargaz, 37°20'N 59°05'E, V 2013, 1 ex.

REMARK. This is the first record of *P. sericeus* for the fauna of Iran.

**Subfamily Entiminae Schoenherr, 1823**

**Tribe Tanymecini Lacordaire, 1863**

**Subtribe Tanymecina Lacordaire, 1863**

**Genus *Cycloderes* C.R. Sahlberg, 1823**

***Cycloderes (Cycloderes) pilosulus* (Herbst, 1795)**

MATERIAL. **Iran:** Semnan Prov., Shahrud (Jangal-e Abr), 35°30'N 55°30'E, VI 2011, 2 ex.

REMARK. This is the first record of *C. pilosulus* for the fauna of Iran.

**Tribe Cyphicerini Lacordaire, 1863**

**Subtribe Phytoscaphina Lacordaire, 1863**

**Genus *Chloebius* Schoenherr, 1826**

***Chloebius steveni* Boheman, 1842**

MATERIAL. **Iran:** Mazandaran Prov., Behshahr (Abbas-Abad), 36°41'N 53°44'E, IV 2010, 2 ex.

REMARK. This is the first record of *Ch. steveni* for the fauna of Mazandaran province.

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**REFERENCES**

- Alonso-Zarazaga, M.A., Barrios, H., Borovec, R., Bouchard, P., Caldara, R., Colonnelli, E., Gültekin, L., Hlavá, P., Korotyaev, B., Lyal, C.H.C., Machado, A., Meregalli, M., Pierotti, H., Ren, L., Sánchez-Ruiz, M., Sforzi, A., Silfverberg, H., Skuhrovec, J., Trýzna, M., Velázquez de Castro, A.J. & Yunakov, NN. 2017. Cooperative catalogue of Palaearctic Coleoptera Curculionoidea. *Monografías electrónicas*, 8: 1–729.
- Anderson, R.S. & O'Brien, C.W. 1996. Curculionidae (Coleoptera). In: Llorente Bousquets, J.E., García Aldrete, A.N. & González Soriano, E. (Eds.). *Biodiversidad, Taxonomía y Biogeografía de Artrópodos de México: Hacia una Síntesis de su Conocimiento*. México: 329–351.
- Colonnelli, E. 2003. A revised checklist of Italian Curculionoidea (Coleoptera). *Zootaxa*, 337: 1–142.
- Ghahari, H., Arzanov, Yu.G., Legalov, A.A., Tabari, M. & Ostovan, H. 2010. Weevils (Coleoptera: Curculionidae) from Iranian rice fields and surrounding grasslands. *Minis Entomology & Zoology*, 5(1): 163–169.
- Ghahari, H., Legalov, A.A. & Arzanov, G.Yu. 2009. An annotated list of the weevils (Coleoptera: Curculionidae) from the Arasbaran biosphere reserve and vicinity, Northwestern Iran. *Baltic Journal of Coleopterology*, 9(2): 177–182.

- Legalov, A.A. 2018. Annotated key to weevils of the world. Part 1. Families Nemonychidae, Anthribidae, Belidae, Ithyceridae, Rhynchitidae, Brachyceridae and Brentidae. *Ukrainian Journal of Ecology*, 8(1): 780–831. DOI: [https://dx.doi.org/10.15421/2018\\_280](https://dx.doi.org/10.15421/2018_280)
- Legalov, A.A., Ghahari, H. & Arzanov, Yu.G. 2010. Annotated catalogue of curculionid-beetles (Coleoptera: Anthribidae, Rhynchitidae, Attelabidae, Brentidae, Brachyceridae, Dryophthoridae and Curculionidae) of Iran. *Amurskii Zoologicheskii Zhurnal*, II(3): 191–244.
- Oberprieler, R.G., Marvaldi, A.E., Anderson, R.S. 2007. Weevils, weevils, weevils everywhere. *Zootaxa*, 1668: 491–520.

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