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**EULOPHID WASPS OF THE SUBFAMILY ENTEDONINAE
(HYMENOPTERA: CHALCIDOIDEA) FROM THE KHINGAN
NATURE RESERVE, AMUR PROVINCE, RUSSIA**

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Summary. An annotated list of 43 species from 13 genera of the subfamily Entedoninae is given. All species and 11 genera are recorded for the first time for the fauna of Amur Province. *Zaommoantedon* Girault, 1915 is recorded for the first time for the fauna of Russia.

Key words: parasitoid wasps, fauna, new records, Russian Far East, Eastern Palaearctic.

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Резюме. Представлен аннотированный список наездников эвлофид подсемейства Entedoninae, включающий 43 вида из 13 родов. Все эти виды и 11 родов указываются впервые для фауны Амурской области. Род *Zaommoantedon* Girault, 1915 приводится впервые для фауны России.

INTRODUCTION

The Khingan Nature Reserve located in the southeast of the Amur Province, covers the flat Arkharinskaya lowlands and forested spurs of the Maly Khingan mountains (Kudrin & Yakubov, 2013).

The first record of eulophids wasps from from this area was published by Walker (1874) in his work "Descriptions of Amurland Chalcidiae". In which he listed seven species of Eulophidae, including three species of Entedoninae subfamily: *Entedon zanara* Walker, 1839, *E. diotimus* Walker, 1839 and *Pediobius obscurellus* (Walker, 1874).

During the study of the new material of chalcidoidea wasps of the subfamily Entedoninae, 43 species were recorded for the first time for the fauna of Amur Province. An annotated list of these species is provided below.

MATERIAL AND METHODS

The material for this study was collected in August 2022 in the Khingan Reserve by use of standard sweeping, yellow pan trap methods and Malaise trap. Some parasitoids were reared

from larvae and pupae of its hosts. All material will be deposited at the Zoological Institute of the Russian Academy of Sciences, St. Petersburg.

Specimens were examined using an Olympus SZ 11 and SZ 60 microscope.

Entedoninae wasps were identified based on their morphological characteristics using the taxonomic and faunistic publications by: Yoshimoto (1973a, 1973b, 1976), Askew & Ruse (1974), Kamijo (1978, 1979, 1983, 1986a, 1986b, 1988, 1990), Bryan (1980), Hansson (1985, 1990, 1994a, 1994b, 1996), Hansson & Shevtsova (2012), Bouček (1965, 1988), Schauff (1991), Sheng & Kamijo (1992), Efremova & Kriskovich (1994), Ikeda (1995, 1996a, 1996b, 1997), Gumovsky (2003a, 2003b) and Triapitsyn (2005). Data on the distribution and hosts are cited mainly after Bouček & Askew (1968), Trjapitzin (1978), Storozheva *et al.* (1995), Kostjukov (2000), Yefremova (2002), Noyes (2019) and Kosheleva *et al.* (2019).

Abbreviations for collectors and collection points are as follows: VCh – V. Chemyreva; DK – D. Kochetkov; OK – O. Kosheleva; KhR – Khingan Reserve.

Material of this paper will be deposited at the Zoological Institute of the Russian Academy of Sciences (St Petersburg, Russia; ZIN).

LIST OF THE SPECIES

Subfamily Entedoninae

Asecodes erxias (Walker, 1848)

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 1 ♀ (VCh); 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Ulyanovsk Province, Krasnodar and Stavropol Territories, Tomsk, Amur Provinces, Primorskiy Territory. Europe, Japan, North America.

HOSTS. Primary or secondary parasitoid of dipterans from the families Agromyzidae and Tephritidae, hymenopterans from the family Argidae, lepidopterans from the families Gracillariidae, Lyonetiidae, Nepticulidae and Yponomeutidae and coleopterans from the genus *Cassidae* spp. (Chrysomelidae).

Asecodes turcicum (Nees, 1834)

MATERIAL EXAMINED. **Amur Province:** KhR, 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Crimea Republic, Amur Province, Primorskiy Territory. Europe, China, Japan, India.

HOSTS. Primary parasitoid of *Leucospilapteryx omissella* Staint. (Lepidoptera: Gracillariidae).

Achrysocharoides cilla (Walker, 1839)

MATERIAL EXAMINED. **Amur Province:** Arkhara 8.VIII.2022, 1 ♀ (VCh, DK); KhR, 24 km W Arkhara, cordon Kleshinskoe ozero, 12–14.VIII.2022, 2 ♀ (OK).

DISTRIBUTION. Russia: Astrakhan Province, Krasnodar and Stavropol Territories, Amur Province, Primorskiy Territory. Europe.

HOSTS. Primary parasitoid of leaf miners mainly from the family Gracillariidae.

Ceraninus menes (Walker, 1839)

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 4.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Moscow Province, Krasnodar and Stavropol Territories, Amur Province and Primorskiy Territory. Europe, Turkey, Israel, Korean Peninsula, Japan, North America, India, southeast Asia, Afrotropics, South America, Australia.

HOSTS. Primary solitary endoparasitoid of thrips (Thysanoptera).

***Chrysocharis amyite* (Walker, 1839)**

MATERIAL EXAMINED. **Amur Province:** KhR, 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1 ♀ (VCh).

DISTRIBUTION. Russia: Ulyanovsk Province, Krasnodar and Stavropol Territories, Tomsk, Amur Provinces, Primorskiy Territory. Europe, Japan, North America.

HOSTS. Primary endoparasitoid of dipterans from the family Agromyzidae.

***Chrysocharis assis* (Walker, 1839)**

MATERIAL EXAMINED. **Amur Province:** Arkhara 8.VIII.2022, 1 ♀ (VCh); KhR, 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1 ♂; 24 km W Arkhara, cord. cordon Kleshinskoe ozero, 12–14.VIII.2022, 3 ♀ (VCh, OK).

DISTRIBUTION. Russia: Ulyanovsk Province, Amur Provinces. Europe, Mongolia, North America.

HOSTS. Primary endoparasitoid of lepidopterans from the family Nepticulidae.

***Chrysocharis crassiscapus* (Thomson, 1878)**

MATERIAL EXAMINED. **Amur Province:** Arkhara 8.VIII.2022, 1 ♀ (VCh); 24 km W Arkhara, cordon Kleshinskoe ozero, 9–14.VIII.2022, 6 ♀ (VCh, OK).

DISTRIBUTION. Russia: Ulyanovsk, Amur Provinces. Europe, Korean Peninsula, Japan, North America.

HOSTS. Primary endoparasitoid of dipterans from the family Agromyzidae.

***Chrysocharis liriomyzae* Delucchi, 1954**

MATERIAL EXAMINED. **Amur Province:** Arkhara 8.VIII.2022, 1 ♀, (VCh., DK).

DISTRIBUTION. Russia: Krasnodar and Stavropol Territories, Amur Province, Primorskiy Territory. Europe, North Africa, Turkey, China, Korean Peninsula, Japan, North America (introduced).

HOSTS. Solitary endoparasitoid in larvae of dipterous leaf miners from the family Agromyzidae.

***Chrysocharis* aff. *loranthellae* Erdős, 1954**

MATERIAL EXAMINED. **Amur Province:** 24 km W Arkhara, cordon Kleshinskoe ozero, 12–13.VIII.2022, 1 ♀ (VCh).

DISTRIBUTION. Russia: Amur Provinces. Europe.

HOSTS. Primary endoparasitoid of lepidopterans from the family Nepticulidae.

***Chrysocharis pentheus* (Walker, 1839)**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 1 ♀ (OK); 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 3 ♀; 24 km W Arkhara, cordon Kleshinskoe ozero, 9–14.VIII.2022, 7 ♀ (VCh, OK); Arkhara 17.VIII.2022, 1 ♀ (VCh).

DISTRIBUTION. Russia: Russia: Leningradskaya, Ulyanovsk Provinces, Krasnodar and Stavropol Territories, Irkutsk, Amur Province, Primorskiy Territory. Europe, Turkey, China, Korean Peninsula, Japan, North America, Malaysia.

HOSTS. Primary parasitoid of leaf-mining insects from the families Agromyzidae (Diptera), Lyonetiidae, Gracilariidae and Elachistidae (Lepidoptera) and Curculionidae (Coleoptera).

***Chrysocharis polyzo* (Walker, 1839)**

MATERIAL EXAMINED. **Amur Province:** KhR, 24 km W Arkhara, cordon Kleshinskoe ozero, 12–14.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Murmansk Province, Krasnodar and Stavropol Territories, Amur Province, Primorskiy Territory. Turkey, Mongolia, Korean Peninsula, Japan, North America.

HOSTS. Solitary endoparasitoid in larva or pupae of dipterans from the family Agromyzidae, mining leaves of monocotyledons (Hansson, 1985).

***Chrysocharis nephereus* (Walker, 1839)**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 4 ♀ (VCh, OK); 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 3 ♀; 24 km W Arkhara, cordon Kleshinskoe ozero, 9–14.VIII.2022, 7 ♀ (VCh, OK); Arkhara 17.VIII.2022, 1 ♀ (VCh).

DISTRIBUTION. Russia: Leningrad, Moscow and Ulyanovsk provinces, Crimea, Krasnodar Territory, Amur Province and Primorsky Territory. Europe, Turkey, Japan, N America.

HOSTS. Endoparasitoid of many leafminers moths from the families Coleophoridae and Gracillariidae, miner weevils of the genus *Rhynchaenus* and leafminer flies of the family Agromyzidae.

***Chrysocharis submutica* Graham, 1963**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 3 ♀, 3 ♂ (VCh, OK); Arkhara 8.VIII.2022, 1 ♀, 1 ♂ (VCh); 24 km W Arkhara, cordon Kleshinskoe ozero, 9–11.VIII.2022, 1 ♀, 1 ♂ (VCh).

DISTRIBUTION. Russia: Karelia Republic, Ulyanovsk Province, Krasnodar Territory, Amur Province. Europe, Korean Peninsula, Japan, North America.

HOSTS. Primary endoparasitoid in larva of lepidopterans from the family Elachistidae and Gracillariidae) and *Agromyza oryzae* Munakata (Diptera: Agromyzidae).

***Chrysocharis viridis* (Nees, 1834)**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 2 ♂ (OK); 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1 ♀; 24 km W Arkhara, cordon Juzhnyi, oakery, meadow, 13.VIII.2022, 1 ♀ (OK); 24 km W Arkhara, cordon Kleshinskoe ozero, 12–14.VIII.2022, 1 ♂, 2 ♀, (VCh, OK)

DISTRIBUTION. Russia: Murmansk, Kaluga, Ulyanovsk, Amur Provinces, Primorskiy Territory. Europe, Turkey, Israel, Mongolia, China, Korean Peninsula, Japan, North America, southeast Asia, Australia.

HOSTS. Primary solitary endoparasitoid of dipterans from the family Agromyzidae.

***Closterocerus trifasciatus* Westwood, 1833**

MATERIAL EXAMINED. **Amur Province:** Arkhara 8.VIII.2022, 1 ♀ (VCh, DK); 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1 ♀ (OK); 24 km W Arkhara, cordon Kleshinskoe ozero, 9–12.VIII.2022, 2 ♀ (VCh, OK).

DISTRIBUTION. Russia: Ulyanovsk Province, Krasnodar and Stavropol Territories, Crimea Republic, Amur Province. Europe, Turkey, Israel, Yemen, China, Japan, North America, southeast Asia, Australia.

HOSTS. Primary solitary endoparasitoid of leaf-mining insects from the family Agromyzidae (Diptera), Curculionidae (Coleoptera) and many lepidopterans from the families Coleophoridae, Gracillariidae, Lyonetiidae and Tischeriidae.

***Derostenus sulciscuta* Hansson, 1986**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r. Tarmanchukan, floodplain, 8.VIII.2022, 1 ♂ (OK).

DISTRIBUTION. Russia: Amur Province, Primorskiy Territory and Sakhalin Island.

HOSTS. Unknown.

***Derostenus trjapitzini* Gumovsky, 2003**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r. Tarmanchukan, hill, 3–4.VIII.2022, 1 ♀ (OK); 7 km SE Uril, riv. Dyrovatka, forest, 7.VIII.2022, 1 ♀, (OK); 24 km W Arkhara, cordon Kleshinskoe ozero, 9–11.VIII.2022, 3 ♀ (VCh, OK).

DISTRIBUTION. Russia: Amur Province and Primorskiy Territory.

HOSTS. Unknown.

***Entedon nomizonis* Kamijo, 1988**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r. Tarmanchukan, hill, 3–4.VIII.2022, 1 ♀ (OK); Arkhara 8.VIII.2022, 1 ♀ (VCh, DK); 24 km W Arkhara, cordon Kleshinskoe ozero, 12–14.VIII.2022, 2 ♀, (OK); Arkhara 17.VIII.2022, 1 ♀ (VCh).

DISTRIBUTION. Russia: Amur Province and Primorskiy Territory. Japan.

HOSTS. *Orchestes* spp. (Coleoptera: Curculionidae).

***Entedon levadae* Gumovsky, 1999**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r. Tarmanchukan, floodplain, 3–4, 8.VIII.2022, 4 ♂, 3 ♀ (OK).

DISTRIBUTION. Russia: Amur Provinces and Primorskiy Territory.

HOSTS. Unknown.

***Entedon parvicar* Thomson, 1878**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r. Tarmanchukan, YPT, 4–5.VIII.2022, 1 ♀ (OK); 24 km W Arkhara, cordon Kleshinskoe ozero, 12.VIII.2022, 1 ♀ (DK).

DISTRIBUTION. Russia: Nizhegorodskaya, Ulyanovsk, Rostov Provinces, Krasnodar, Stavropol Territories, Novosibirsk, Irkutsk, Amur Provinces. Europe, Turkey, Kazakhstan.

HOSTS. Primary parasitoid of *Leucoptera spartifoliella* (Hübner, 1813) (Lepidoptera: Lyonetiidae).

***Mestocharis bimacularis* (Dalman, 1820)**

MATERIAL EXAMINED. **Amur Province:** Arkhara 8.VIII.2022, 1 ♀, (VCh, DK).

DISTRIBUTION. Russia: Leningradskaya, Kostroma, Ulyanovsk, Amur Provinces, Primorskiy Territory. Europe, North America.

HOSTS. Primary parasitoid of coleopterans from the family Dytiscidae.

***Neochrysocharis formosa* (Westwood, 1833)**

MATERIAL EXAMINED. **Amur Province:** KhR, 24 km W Arkhara, cordon Kleshinskoe ozero, forest, ex. mine on *Tilia* sp. 14.VIII.2022 (leaf mine coll.), 26.VIII.2022 (par. em.), 2 ♀ (OK).

DISTRIBUTION. Russia: Moscow, Ulyanovsk, Rostov Provinces, Krasnodar and Stavropol Territories, Amur Province, Primorskiy Territory. Europe, North Africa, Turkey, Iraq, Jordan, Israel, United Arab Emirates, Iran, Turkmenistan, Kazakhstan, China, Japan, North America, southeast Asia, Afrotropics, South America, Australia.

HOSTS. Primary solitary endoparasitoid of larval leaf-mining Lepidoptera, Diptera and Hymenoptera; secondary parasitoid of hymenopterans from the families Eulophidae and Trichogrammatidae.

***Omphale melina* Efremova and Kriskovich, 1994**

MATERIAL EXAMINED. **Amur Province:** KhR, 24 km W Arkhara, cordon Juzhnyi, oakery, 13.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Amur Province, Primorskiy Territory.

HOSTS. Unknown.

***Omphale rubigus* (Walker, 1839)**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, 4.VIII.2022, 1 ♂; 7 km SE Uril, riv. Dyrovatka, forest, 7.VIII.2022, 1 ♀; 24 km W Arkhara, cordon Kleshinskoe ozero, 9.VIII.2022, 4 ♀; same location, but cordon «Juzhnyi», oakery, 13.VIII.2022, 10 ♀ (OK).

DISTRIBUTION. Russia: Ulyanovsk Province, Krasnodar and Stavropol Territories, Amur Province. Europe.

HOSTS. Primary parasitoid of *Trigonodiplosis* sp. (Diptera: Cecidomyiidae).

***Omphale salicis* Haliday, 1833**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, 4.VIII.2022, 1 ♀; 24 km W Arkhara, cordon Kleshinskoe ozero, 13.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Leningradskaya Province, Stavropol Territory, Amur Province. Europe, China, North America.

HOSTS. Primary parasitoid of dipterans *Contarinia lentis* Aczel, 1944, *C. loti* (De Geer, 1776) and *C. vincetoxicici* Kieffer, 1909 (Diptera: Cecidomyiidae) (Hansson, Shevtsova, 2012).

***Omphale sulciscuta* (Thomson, 1878)**

MATERIAL EXAMINED. **Amur Province:** KhR, 7 km SE Uril, riv. Dyrovatka, forest, 7.VIII.2022, 1 ♀; 24 km W Arkhara, cordon Kleshinskoe ozero, 9.VIII.2022, 1 ♀, 1 ♂; some label 12–13.VIII.2022, 2 ♀; same location, but cordon Juzhnyi, oakery, 13.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Ulyanovsk Province, Amur Province. Europe, Armenia, China.

HOSTS. Primary parasitoid of *Schizomyia galiorum* Kieffer, 1889 (Diptera: Cecidomyiidae).

***Pediobius cassidae* Erdos, 1958**

MATERIAL EXAMINED. **Russia:** Amur Province, KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 5 ♀ (VCh, OK); 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 2 ♀;

same location, but Calamagrostis swamp, 1♀; 24 km W Arkhara, cordon Kleshinskoe ozero, 9, 12–13.VIII.2022, 8♀ (VCh, OK); same location, but cordon Juzhnyi, oakery, 13.VIII.2022, 1♀; Arkhara 15.VIII.2022, 2♀ (OK).

DISTRIBUTION. Russia: Moscow, Ulyanovsk, Rostov Provinces, Krasnodar and Stavropol Territories, Tomsk, Amur Province, Primorskiy Territory. Europe, Turkey, Yemen, Israel, Iran.

HOSTS. Primary parasitoid of coleopterans from the family Chrysomelidae and various lepidopterans; secondary parasitoid of hymenopterans from the families Braconidae and Ichneumonidae.

***Pediobius crassicornis* (Thomson, 1878)**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 1♀ (VCh); 24 km W Arkhara, cordon Juzhnyi, oakery, 13.VIII.2022, 1♀ (OK).

DISTRIBUTION. Russia: Moscow, Samara Provinces, Stavropol Territory, Crimea Republic, Amur Province and Primorskiy Territory. Europe, Israel, Yemen, Iran, Japan, North America.

HOSTS. Primary parasitoid of lepidopterans from the families Lasiocampidae, Lymantriidae, Notodontidae and Tortricidae; secondary parasitoid of hymenopterans from the families Braconidae, Eulophidae, Eupelmidae, Ichneumonidae and Pteromalidae.

***Pediobius* aff. *chilaspidis* (Bouček, 1965)**

MATERIAL EXAMINED. **Amur Province:** Arkhara, oakery, 8.VIII.2022, 1♀ (VCh., DK); KhR, 24 km W Arkhara, cordon Kleshinskoe ozero, forest, 9–11.VIII.2022, 1♀ (VCh).

DISTRIBUTION. Russia: Amur Province. Europe.

HOSTS. Primary endoparasitoid of *Chilaspis nitida* (Giraud, 1859) (Cynipidae) in *Quercus cerris* L. (Bouček, 1965)

REMARKS. Apparently, the hosts are also associates with *Quercus mongolica* Fisch. ex Ledeb.

***Pediobius claviger* (Thomson, 1878)**

MATERIAL EXAMINED. **Amur Province:** KhR, 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1♀; 24 km W Arkhara, cordon Juzhnyi, oakery, 13.VIII.2022, 1♀ (OK); 24 km W Arkhara, cordon Kleshinskoe ozero, forest, 12–14.VIII.2022, 2♀ (VCh, OK).

DISTRIBUTION. Russia: Krasnodar and Stavropol Territories, Amur Province, Sakhalin Island. Europe, China, Korean Peninsula, Japan.

HOSTS. Unknown.

***Pediobius epeus* (Walker, 1839)**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 2♀; 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 4♀; 24 km W Arkhara, cordon Kleshinskoe ozero, 12–14.VIII.2022, 16♀ (DK, VCh., OK).

DISTRIBUTION. Russia: Ulyanovsk, Amur Provinces, Primorskiy Territory. Europe, Israel.

HOSTS. Unknown.

***Pediobius epigonus* (Walker, 1839)**

MATERIAL EXAMINED. **Amur Province:** KhR, 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1♀ (OK).

DISTRIBUTION. Russia: Moscow Province, Krasnodar and Stavropol Territories, Amur Province and Primorskiy Territory. Europe, Turkey, Israel, China, North America, New Zealand.

HOSTS. Primary endoparasitoid of dipterans from the family Agromyzidae, Cecidomyiidae, Chloropidae and Ephydriidae.

***Pediobius facialis* (Giraud, 1863)**

MATERIAL EXAMINED. **Amur Province:** Arkhara, 8.VIII.2022, 1 ♀, (VCh, DK).

DISTRIBUTION. Russia: Krasnodar and Stavropol Territories, Irkutsk, Amur Provinces, Primorskiy Territory. Europe, Yemen, China, Korean Peninsula, Japan, North America, Cuba.

HOSTS. Parasitoid of numerous lepidopterans, mainly Tortricidae and dipterans from the families Cecidomyiidae and Chloropidae.

***Pediobius fastigatus* Kamijo, 1983**

MATERIAL EXAMINED. **Amur Province:** KhR, 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Amur Province, Korean Peninsula and Japan.

HOSTS. Unknown.

***Pediobius flaviscapus* (Thomson, 1878)**

MATERIAL EXAMINED. **Amur Province:** KhR, 24 km W Arkhara, cordon Kleshinskoe ozero, forest, 12–14.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Ulyanovsk and Amur Province. Europe, Turkey, Israel, Japan.

HOSTS. Primary endoparasitoid of leaf miners from the orders Diptera and Lepidoptera.

***Pediobius foliorum* (Geoffroy, 1785)**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 4 ♀; 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1 ♀; 24 km W Arkhara, cordon Kleshinskoe ozero, forest, 9–13.VIII.2022, 6 ♀ (VCh, OK).

DISTRIBUTION. Russia: Nizhegorodskaya, Ulyanovsk, Amur Provinces. Europe, Israel, China, Japan, North America.

HOSTS. Primary or secondary parasitoid of lepidopterans from the families Lymantridae, Notodontidae and Tortricidae; secondary parasitoid of hymenopterans from the family Eulophidae.

***Pediobius metallicus* (Nees, 1834)**

MATERIAL EXAMINED. **Amur Province:** 24 km W Arkhara, cordon «Kleshinskoe ozero», 12–14.VIII.2022, 5 ♀ (OK); Arkhara 15.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Moscow, Ulyanovsk and Amur Province, Stavropol and Primorskiy Territory. Europe, North Africa, Azerbaijan, Turkey, Iraq, Jordan, Israel, Yemen, Pakistan, China, Korean Peninsula, Japan, North America, India, New Zealand.

HOSTS. Primary endoparasitoid of larvae and pupae of leaf miners from the orders Diptera and Lepidoptera; secondary parasitoid of hymenopterans from the families Braconidae, Eulophidae, Ichneumonidae and Pteromalidae.

***Pediobius polanensis* Bouček, 1965**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Ulyanovsk Province, Krasnodar and Stavropol Territories, Amur Province. Europe.

HOSTS. Primary parasitoid of *Tetramesa matrana* Erdős, 1969 (Hymenoptera: Eurytomidae).

REMARKS. The above female specimen quite agree with the diagnosis of *P. polanensis* given by Bouček (1965), except the color of legs: tarsomeres of fore leg dark, mid and hind tarsi yellowish with apical tarsomere dark brown (in European specimens mid and hind tarsi dark).

***Pediobius pyrgo* (Walker, 1839)**

MATERIAL EXAMINED. **Amur Province:** Arkhara, quercus, 15.VIII.2022, 1 ♀ (OK).

DISTRIBUTION. Russia: Moscow, Ulyanovsk and Rostov Province, Crimea and Tyva Republics, Krasnoyarsk Territory, Amur Province and Primorskiy Territory. Europe, Turkey, Iraq, United Arab Emirates, Iran, China, Korean Peninsula, Japan, North America, southeast Asia, Central America.

HOSTS. Primary or secondary endoparasitoid of leaf-mining insects from the orders Coleoptera, Diptera and Lepidoptera.

***Pediobius moldavicus* (Bouček, 1965)**

MATERIAL EXAMINED. **Amur Province:** KhR, 4 km W Arkhara, cordon Kleshinskoe ozero, forest, 12–13.VIII.2022, 1 ♀ (VCh).

DISTRIBUTION. Russia: Amur Province. Europe, Korean Peninsula, Japan.

HOSTS. Unknown.

***Pediobius saulius* (Walker, 1839)**

MATERIAL EXAMINED. **Amur Province:** KhR, 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1 ♀ (OK); Arkhara 8.VIII.2022, 2 ♀ (VCh, DK); same label, 15.VIII.2022, 3 ♀ (OK); 24 km W Arkhara, cordon Kleshinskoe ozero, forest, 12–14.VIII.2022, 5 ♀ (OK, VCh).

DISTRIBUTION. Russia: Kursk Province, Krasnodar and Stavropol Territories, Udmurtia and Crimea Republic, Ural, Amur Province and Primorskiy Territory. Europe, Turkey, Israel, Yemen, Iran, Turkmenistan, Kazakhstan, Korean Peninsula, Japan.

HOSTS. Primary or secondary endoparasitoid of leaf-mining insects from the orders Coleoptera and Lepidoptera.

***Pleurotropopsis japonica* (Kamijo, 1977)**

MATERIAL EXAMINED. **Amur Province:** KhR, 3 km E Uril, r.Tarmanchukan, hill, 3–4.VIII.2022, 4 ♀; same locality, but floodplane, 8.VIII.2022, 2 ♂; 7 km SE Uril, riv. Dyrovatka, forest, 6–7.VIII.2022, 1 ♀ (OK); 24 km W Arkhara, cordon Kleshinskoe ozero, forest, 9–13.VIII.2022, 5 ♀ (OK, VCh); Arkhara 17.VIII.2022, 1 ♀ (VCh).

DISTRIBUTION. Russia: Amur Province, Primorskiy Territory. Korean Peninsula, Japan.

HOSTS. Parasitoid of various leaf-miner from the families Gracillariidae, Tischeriidae, Curculionidae and Agromyzidae.

***Genus *Zaomomentedon* Girault, 1915**

REMARKS. This genus is recorded for the first time for the fauna of Russia.

Zaommentedon sp.

MATERIAL EXAMINED. **Amur Province:** KhR, 24 km W Arkhara, cordon Kleshinskoe ozero, mixed broadleaf forest, 12–14.VIII.2022, 1 ♀ (OK).

REMARKS. Amur specimen close to the Australian *Z. mandibularis* Girault, 1915 by the elongate petiole (longer than the hind coxae), but differs from them by the body of female is twice as large, 2 mm (in contrast from *Z. mandibularis* 1.1 mm). Besides, *Z. sp.* is similar to Japanese species *Z. brevipetiolatus* Kamijo 1990, but the latter is with the strongly transverse petiole.

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