

Braconidae (Hymenoptera) in the collection of the Institute of Zoology,
NAS of Azerbaijan Republic
Part III. Subfamilies Helconinae, Brachistinae, Euphorinae,
Macrocentrinae (Hymenoptera)

With 1 map

ARIFA ABDINBEKOVA¹, ELLADA HUSEYNOVA^{1,2} and ILHAMA KERIMOVA^{1,3}¹ Institute of Zoology, NAS of Azerbaijan Republic, Az 1073, pr. 1128, bl. 504, Baku, Azerbaijan. – ² ella_line@mail.ru;³ ilkershah@hotmail.com

Published on 2013-12-20

Summary

The paper gives some faunistic records of the braconids from genera *Cenocoelius*, *Diospilus*, *Taphaeus* belonging to subfamily Helconinae, from genera *Eubazus*, *Polydegmon*, *Triaspis*, *Schizoprymnus* belonging to subfamily Brachistinae, from genera *Meteorus*, *Zelee*, *Chrysopophthorus*, *Aridelus*, *Blacus*, *Dinocampus*, *Microctonus*, *Pigostolus*, *Centistes*, *Ancylocentrus*, *Leiphron*, *Peristenus*, *Wesmaelia*, *Syntretus* belonging to subfamily Euphorinae and from genus *Macrocentrus* belonging to subfamily Macrocentrinae from the collection of the institute of Zoology of the National Academy of Sciences of Azerbaijan located in Baku. For each taxon localities in Azerbaijan, distribution and hosts remarks are given. 27 species from the collection is located in the ZIN (Zoological Institute of the RAS) so we have not presented information about them. This concerns: *Centris* (*Ancylocentrus*) *subculcatus* (THOMSON, 1895), *Allurus muricatus* (HALIDAY, 1833), *Eubazus* (*Aliolus*) *kusarensis* (ABDINBEKOVA, 1969), *Eubazus* (*Allodorus*) *semirugosus* (NEES, 1816), *Chrysopophthorus hungaricus* (KISS, 1927), *Ecclitura primoris* KOKUYEV, 1902, *Eubazus* (*Eubazus*) *pallipes* NEES, 1816, *E. (Brachistes) rufithorax* (ABDINBEKOVA, 1969), *E. (Brachistes) minutus* (RATZEBURG, 1848), *E. (Brachistes) talitzkii* TOBIAS, 1976, *Schizoprymnus crassiceps* (THOMSON, 1891), *Schizoprymnus elongatus* (SZÉPLIGETI, 1898), *Sch. subangustatus* TOBIAS 1976, *Sch. ambiguus* (NEES, 1816), *Sch. globosus* (SZÉPLIGETI, 1898), *Helcon tardator* NEES, 1814, *Homolobus infimator* (LYLE, 1914), *Homolobus annulicornis* (NEES, 1834), *Leiophron palidistigma* CURTIS, 1833, *Meteorus heliophilus* FISCHER, 1970, *Meteorus cespitator* (THUNBERG, 1822), *Perilitus* (*Townesilitus*) *bicolor* (WESMAEL 1835), *Perilitus* (*Townesilitus*) *breviradialis* (TOBIAS, 1976), *Macrocentrus brevicaudifer* VAN ACHTERBERG 1979, *Macrocentrus flavus* SNELLEN VAN VOLLENHOVEN, 1878, *Macrocentrus thoracicus* (NEES, 1812), *Macrocentrus marginatus* (NEES, 1811).

Zusammenfassung

In der Arbeit werden faunistische Daten der Braconiden-Gattungen *Cenocoelius*, *Diospilus*, *Taphaeus* (Unterfamilie Helconinae), *Eubazus*, *Polydegmon*, *Triaspis*, *Schizoprymnus* (Unterfamilie Brachistinae), *Meteorus*, *Zelee*, *Chrysopophthorus*, *Aridelus*, *Blacus*, *Dinocampus*, *Microctonus*, *Pigostolus*, *Centistes*, *Ancylocentrus*, *Leiphron*, *Peristenus*, *Wesmaelia*, *Syntretus* (Unterfamilie Euphorinae) und *Macrocentrus* (Unterfamilie Macrocentrinae) des Sammlungsmaterials aus dem Institut für Zoologie der nationalen Akademie der Wissenschaften von Aserbaidschan in Baku ausgewertet. Zu jedem Taxon werden Fundorte in Aserbaidschan, Verbreitung und Wirte genannt. Von 27 Arten aus der Sammlung des ZIN (Zoologisches Institut der Russischen Akademie der Wissenschaften) fehlen diese Informationen jedoch. Das betrifft: *Centris* (*Ancylocentrus*) *subculcatus* (THOMSON, 1895), *Allurus muricatus* (HALIDAY, 1833), *Eubazus* (*Aliolus*)

kusarensis (ABDINBEKOVA, 1969), *Eubazus (Allodorus) semirugosus* (NEES, 1816), *Chrysopophthorus hungaricus* (KISS, 1927), *Ecclitura primoris* KOKUYEV, 1902, *Eubazus (Eubazus) pallipes* NEES, 1816, *E. (Brachistes) rufithorax* (ABDINBEKOVA, 1969), *E. (Brachistes) minutus* (RATZBURG, 1848), *E. (Brachistes) talitzkii* TOBIAS, 1976, *Schizoprymnus crassiceps* (THOMSON, 1891), *Schizoprymnus elongatus* (SZÉPLIGETI, 1898), *Sch. subangustatus* TOBIAS 1976, *Sch. ambiguus* (NEES, 1816), *Sch. globosus* (SZÉPLIGETI, 1898), *Helcon tardator* NEES 1814, *Homolobus infimator* (LYLE, 1914), *Homolobus annulicornis* (NEES, 1834), *Leiophron palidistigma* CURTIS, 1833 *Meteorus Heliophilus* FISCHER, 1970, *Meteorus cespitator* (THUNBERG, 1822), *Perilitus (Townesilitus) bicolor* (WESMAEL 1835), *Perilitus (Townesilitus) breviradialis* (TOBIAS, 1976), *Macrocentrus brevicaudifer* VAN ACHTERBERG 1979, *Macrocentrus flavus* SNELLEN VAN VOLLENHOVEN, 1878, *Macrocentrus thoracicus* (NEES, 1812), *Macrocentrus marginatus* (NEES, 1811).

Introduction

Subfamily Helconinae is presented by 3 species from 3 genera, subfamily Brachistinae by 17 species from 4 genera and subfamily Euphorinae by 28 species from 12 genera, subfamily Macrocentrinae by 4 species from 1 genus in the entomological collection of the Institute of Zoology NAS of Azerbaijan. The paper includes distribution remarks and host range information for each species. The whole distribution areas in the world are provided for each taxon. Each name of species is accompanied by the author's name and description date. A map showing collection areas in Azerbaijan is presented. Literature data are used for taxonomic analysis of the braconids (ABDINBEKOVA, 1969, 1995; PAPP, 2007, 2009; TOBIAS, BELOKOB- YLSKIJ, KOTENKO, 1995, SHENEFELT, 1970, HUDDLESTON, 1980, LOZAN, 2004, VAN A. ACHTERBERG, 1988, 2003).

Subfamily HELCONINAE

Genus *Cenocoelius* WESTWOOD, 1840

Cenocoelius analis (NEES, 1834)

Material:

dist. Ordubad, 2.VI.1967, 1 ♂, leg. Abdinbekova.

Hosts:

Magdalis armigera GEOF., *M. ruficornis* L., *Scolytus rugulosus* P.W. J. MÜL. (Curculionidae), *Tetrops praeusta* L. (Cerambycidae).

Distribution:

West Europe, Azerbaijan (ABDINBEKOVA, 1995).

Genus *Diospilus* HALIDAY, 1833

Diospilus rufipes (REINHARD, 1862)

Material:

dist. Guba, 14.V.1962, 1 ♂, leg. Abdinbekova.

Hosts:

Xestobium plumbeum ILL. (Anobiidae), *Byctiscus populi* L. (Attelabidae), *Tachyerges salicis* L. (Curculionidae).

Distribution:

West Europe, Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Genus *Taphaeus* WESMAEL, 1835

Taphaeus hiator (THUNBERG, 1822)

Material:

dist. Khachmaz, 30.V.1960, 1 ♂, leg. Abdinbekova; dist. Kalbajar, 30.VI.1960, 1 ♂, leg. Abdinbekova.

Host:

Orchesia micans Pz., (Melandryidae).

Distribution:

West Europe, Caucasus, Western Kazakhstan, East Siberia, Azerbaijan (ABDINBEKOVA, 1995).

Subfamily BRACHISTINAE

Genus *Eubazus* NEES VON ESENBECK, 1814

Subgenus *Brachistes* WESMAEL, 1835

Eubazus (Brachistes) gallicus (REINHARD, 1867)

Material:

dist. Lankaran, 20.V.1965, 1 ♂, leg. Abdinbekova.

Host:

Megdalis ruficornis (L.) (Curculionidae).

Distribution:

Europe, Turkey (BEYARSLAN, 2011), Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Eubazus (Brachistes) parvulus (RUTHE, 1867)**Material:**

dist. Khachmaz, 28.IV.1963, 1 ♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

Europe, Mongolia (PAPP, 2009), Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Subgenus *Eubazus* NEES VON ESENBECK, 1814

Eubazus (Eubazus) rufiventris (ABDINBEKOVA, 1975)**Material:**

dist. Khachmaz, 17.V.1962, 1 ♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

Turkey, Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Eubazus (Eubazus) tibialis (HALIDAY 1835)**Material:**

dist. Ordubad, 15.V.1965, 1 ♂, leg. Abdinbekova.

Hosts:

Byctiscus betulae L., *B. populi* L. (Attelabidae), *Gilpinia pallida* KL. (Diprionidae), *Anobium* sp. (Coleoptera, Anobiidae) (SHENEFELT, 1970).

Distribution:

West Europe, Turkey, Caucasus, Azerbaijan (SHENEFELT, 1970; TOBIAS et al. 1995, ABDINBEKOVA, 1995).

Genus *Polydegmon* FÖRSTER, 1862

Polydegmon sinuatus FÖRSTER, 1862**Material:**

dist. Ordubad, 20–29.V.1967, 11 ♀♀, 7 ♂♂, dist. Julfa, 21.V.1967, 2 ♀♀, leg. Abdinbekova.

Host:

unknown.

Distribution:

West Europe (VLADIMIR, VAN ACHTERBERG, 2010), Turkey, Kazakhstan, Uzbekistan, Caucasus, Azerbaijan (SHENEFELT, 1970; TOBIAS et al. 1995, ABDINBEKOVA, 1995).

Genus *Triaspis* HALIDAY, 1835

Triaspis aciculatus (RATZEBURG, 1848)**Material:**

dist. Guba, 23.IV.1963, 1 ♂, leg. Abdinbekova; dist. Margushevan (now Khojavend), 21.IV.1966, 2 ♂♂, leg. Abdinbekova.

Hosts:

Anobium rufipes F., *Ochina ptinoides* MARSH., *Gastrallus corsicus* SCHIL., (Anobiidae), *Anthaxia quadripunctata* (L.) (Buprestidae), *Anthonomus rubi* HERBST, *Ceutorhynchus pleurostigma* MARSH., *Stenocarus ruficornis* (STEPH.), *Rhinusa antirrhini* PAYK., *Gymnetron villosulum* GYLL. (Curculionidae), *Apion damryi* DESB. (Brentidae).

Distribution:

West Europe (GAVIN et al. 2011), Caucasus, Azerbaijan (ABDINBEKOVA, 1995, TOBIAS et al. 1995).

Triaspis caucasicus ABDINBEKOVA, 1934

Material:

dist. Marqushevan (now Khojavend), 20.V.1966, 12 ♂♂, leg. Abdinbekova; dist. Lerik, 20.VI.1965, 8 ♀♀, leg. Abdinbekova; dist. Goygol, 23.V.1966, 1 ♂, leg. Abdinbekova; dist. Guba, 11.VI.1961, 1 ♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

Turkey, Kazakhstan, Caucasus, Azerbaijan (ABDINBEKOVA, 1995, TOBIAS et al. 1995).

Triaspis caudatus (NEES VON ESENBECK, 1816)

Material:

dist. Ordubad, 1.VI.1967, 1 ♂, leg. Abdinbekova; Nakhichevan AR, 19.VI.1967, 1 ♀, leg. Abdinbekova.

Hosts:

Ochina ptinoides MARSH. (Anobiidae), *Bruchidius fasciatus* OL. (Bruchidae), *Byctiscus betulae* (L.), *Byctiscus populi* (L.) (Attelabidae), *Protapion assimile* W. KIRBY, *P. trifolii* L., (Brentidae).

Distribution:

Europe, Caucasus, Azerbaijan (ABDINBEKOVA, 1995, TOBIAS et al. 1995).

Triaspis obscurellus (NEES VON ESENBECK, 1816)

Material:

dist. Guba, 12.V.1962, 2 ♀♀, leg. Abdinbekova; dist. Khachmaz, 15.V.1963, 1 ♂, leg. Abdinbekova; dist. Mirbashir (now Tartar), 27.III.1966, 2 ♀♀ leg. Abdinbekova; Margushevan (now Khojavend), 29-31.III.1966, 4 ♀♀ leg. Abdinbekova; dist. Barda, 30.III.1966, 23 ♂♂, leg. Abdinbekova.

Hosts:

Bruchus rufimanus (Bruchidae), *Ceratapion carduorum* KBY, (Brentidae), *Ceutorhynchus assimilis* PAYK., *C. contractus* MARSH., *C. picitarsis* GYLL., *C. sulcicollis* GYLL., *C. pleurostigma* MARSH., *Gymnetron antirrhini* PAYK., *G. noctis* HBST., *Rhinusa collina*, (Curculionidae) (SHENEFELT, 1970).

Distribution:

West Europe (GAVIN et al. 2011), Greece (LOZAN, 2004), Siberia, Mongolia, Caucasus, Azerbaijan (SHENEFELT, 1970, TOBIAS et al. 1995, ABDINBEKOVA, 1995).

Triaspis pallipes (NEES VON ESENBECK, 1816)

Material:

dist. Guba, 14.V.1962, 1 ♂, leg. Abdinbekova.

Hosts:

Bruchidius seminarius L., *Bruchus affinis* F., *B. atomarius* L., *B. lentis* F., *B. rufimanus*, (Bruchidae), *Anthonomus pomorum* (L.), *Ceutorhynchus assimilis* (P.), *Rynchaenus alni*, *R. quercus* (L.), *R. semirufus* GYLL. (Curculionidae).

Distribution:

West Europe (GAVIN et al. 2011), Caucasus, Azerbaijan (ABDINBEKOVA, 1995, TOBIAS et al. 1995)

Triaspis thoracicus (CURTIS, 1860)

Material:

dist. Yardimly, 20.VI.1965, 1 ♂, leg. Abdinbekova.

Hosts:

Acanthoscelides obtectus SAY, *Bruchus rufimanus* B., *Bruchus pisorum* (L.) (Bruchidae).

Distribution:

West Europe (GAVIN et al. 2011), Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Genus *Schizoprymnus* FÖRSTER, 1862

Schizoprymnus angustissimus ŠNÖFLAK, 1952

Material:

dist. Kalbajar, 3.VI.1966, 1 ♂, leg. Abdinbekova; dist. Ordubad, 5.VI.1967, 3 ♂♂, leg. Abdinbekova; dist. Mardakert (now Aghdere), 16.VI.1967, 1 ♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

Former USSR, Check Republic, Kazakhstan, (SHENEFELT, 1970; TOBIAS et al. 1995), Turkey (GUCLU, 2006), Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Schizoprymnus azerbaijdzhanicus ABDINBEKOVA, 1912

Material:

dist. Barda, 30.III.1966, 1 ♀, leg. Abdinbekova; dist. Agdam, 11.IX.1964, 1 ♀, leg. Abdinbekova; dist. Goychay, 3.VII.1964, 2 ♂♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

Turkey (GUCLU, 2006), Azerbaijan (ABDINBEKOVA, 1995).

Schizoprymnus nigripes (THOMSON, 1892)

Material:

dist. Nukha (now Sheki), 27.V.1966, 1 ♂, leg. Abdinbekova; dist. Ordubad, 29.V.1967, 1 ♂, leg. Abdinbekova.

Hosts:

Curculio rubidus GYLL., *Acentrus histrio* (FALD). (Curculionidae) (GUCLU, 2006).

Distribution:

Turkey (GUCLU, 2006), Mongolia (PAPP, 2009), Caucasus, Azerbaijan (ABDINBEKOVA, 1995, TOBIAS et al. 1995).

Schizoprymnus obscurus NEES VON ESENBECK, 1813**Material:**

dist. Guba, 5.VIII.1961–1962, 5 ♂♂, leg. Abdinbekova; dist. Khachmaz, 5.VI.1962–1963, 5 ♂♂, leg. Abdinbekova; dist. Goychay, 7.VIII.1964, 3 ♀♀, leg. Abdinbekova; dist. Lerik, 20.VI.1965, 1 ♂, leg. Abdinbekova; dist. Gasym-Ismayilov (now Goranboy), 14.VII.1966, 1 ♀, leg. Abdinbekova; dist. Mardakert (now Aghdere), 4.VII.1967, 3 ♂♂, leg. Abdinbekova.

Hosts:

Ceratapion carduorum KBY (Brentidae), *Ceuthorrhynchus picitarsis* GYLL., *C. sulcicollis* GYLL., *C. assimilis* PAYK., *Gymnetron noctis* HBST., *Rhinusa collina* GYLL, *Rh. antirrhini* PAYK., (Curculionidae).

Distribution:

West Europe (GAVIN et al. 2011), Turkey, (GUCLU, 2006), Mongolia (PAPP, 2009), Former USSR, Caucasus, Azerbaijan (ABDINBEKOVA, 1995, TOBIAS et al. 1995).

Schizoprymnus opacus (THOMSON, 1892)**Material:**

dist. Agdam, 11.V.1964, 1 ♀, leg. Abdinbekova; dist. Nukha (now Sheki), 27.V.1965, 1 ♂, leg. Abdinbekova; dist. Ordubad, may, 1967, 4 ♂♂, leg. Abdinbekova; Nakhichevan AR, 17.VI.1967, 1 ♂, leg. Abdinbekova; dist. Goygol, 18.VI.1967, 1 ♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

West Europe, Mongolia, Former USSR (SHENEFELT, 1970; TOBIAS et al. 1995), Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Schizoprymnus terebralis ŠNÖFLAK, 1952**Material:**

dist. Agdam, 26.IV.1966, 1 ♂, leg. Abdinbekova; dist. Shahbuz, 22.V.1967, 1 ♀, leg. Abdinbekova; dist. Gasym-Ismayilov (now Goranboy), 9.VI.1966, 1 ♀, leg. Abdinbekova.

Host:

Mordellistena parvula GYLL. (Mordelidae).

Distribution:

Check Republic, Kazakhstan (SHENEFELT, 1970; TOBIAS et al. 1995) Mongolia (PAPP, 2009), Caucasus, Azerbaijan (ABDINBEKOVA, 1995, TOBIAS et al. 1995).

SUBFAMILY EUPHORINAE

Genus *Aridelus* MARSHALL, 1887

Aridelus egregius (SCHMIEDEKNECHT 1907)**Material:**

dist. Kalbajar, 23.VII.1966, 1 (damaged), leg. Abdinbekova.

Hosts:

Aelia acuminata (L.), *Aelia cognata* FIEB., *Dolycoris baccarum* (L.), *Eurydema ornata* (L.), *Holcostethus vernalis* WOLF., *Palomena prasina* (L.) (Pentatomidae), *Coptosoma mucronatum* SEID., *Coptosoma scutellatum* GEOFFR. (Plataspidae), *Eurygaster austriaca* SCHRK., *Eurygaster maura* (L.), (Scutelleridae).

Distribution:

Turkey, Former USSR, Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Genus *Blacus* NEES, 1817

Blacus armatulus RUTHE, 1861**Material:**

dist. Khachmaz, 6.VI.1963, 1 ♂, leg. Abdinbekova; dist. Mardakert (now Aghdere), 21.VI.1967, 1 ♂, leg. Abdinbekova.

Hosts:

Parasite of Curculionidae (Coleoptera) (VAN ACHTERBERG, 1988).

Distribution:

Europe, Russia, Turkey, Moldova, Russia, Caucasus, Azerbaijan, Kazakhstan (TOBIAS, 1986, ABDINBEKOVA, 1995).

Blacus exilis (NEES 1811)**Material:**

dist. Khachmaz, 6.VI.1963, 1 (damaged), leg. Abdinbekova.

Hosts:

Pityokteines vorontzowi JACOBS., *Magdalis armigera* GEOFFR. (Curculionidae), Scolytidae, Curculionidae, Anobiidae (Coleoptera).

Distribution:

Caucasus, Kazakhstan, Mid Asiya, Eastern Siberia, West Europe, Turkey, Israel, Mongolia, North America (TOBIAS, 1986).

Blacus instabilis RUTHE, 1861

Material:

dist. Guba, 7.VII.1962, 1 ♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

Ukraine, North Asia, West Europe, Turkey, Caucasus, Azerbaijan (TOBIAS, 1986, ABDINBEKOVA, 1995)

Blacus ruficornis (NEES 1811)

Material:

dist. Gusar, 9-10.VII.1960, 3 ♀ ♀, leg. Abdinbekova; dist. Zaqatala, 12.VII.1960, 4 ♂ ♂, leg. Abdinbekova; dist. Guba, 5.VI.1961-62, 7 ♀ ♀, leg. Abdinbekova; dist. Mirbashir (now Tartar), 5.VI.1966, 3 ♂ ♂, leg. Abdinbekova; dist. Gadabay, 28.VIII.1966, 5 ♂ ♂, leg. Abdinbekova; dist. Khachmaz, 6.VII.1960-62, 1 ♂, leg. Abdinbekova; dist. Lankaran, 18.VIII.1964, 1 ♂, leg. Abdinbekova; dist. Lerik, 5.VII.1965-66, 2 (damaged), leg. Abdinbekova; dist. Gasym-Ismayilov (now Goranboy), 22.V.1966, 1 ♂, leg. Abdinbekova; dist. Goygol, 24.IX.1966, 1 ♂, leg. Abdinbekova; dist. Shusha, 18.VIII.1966, 3 ♀ ♀, leg. Abdinbekova; dist. Mardakert (now Aghdere), VI.1966-1967, 3 ♂ ♂, leg. Abdinbekova; dist. Dashkasan, 15.VII.1966, 1 ♂, leg. Abdinbekova; dist. Shamkhor (now Shamkir), 27.VII.1966, 1 ♀, leg. Abdinbekova; dist. Goychay, 19.V.1964, 1 ♀, leg. Abdinbekova.

Host:

Tachyporus obtusus L. (Staphylinidae)

Distribution:

West Europe, Russia, Caucasus, Azerbaijan, Kazakhstan, Siberia, North Asia, North Africa (TOBIAS, 1986, ABDINBEKOVA, 1995).

Genus *Centistes* HALIDAY, 1835

Subgenus *Ancylocentrus*

Centistes (Ancylocentrus) edentatus (HALIDAY, 1835)

Material:

dist. Gusar, 10.VII.1960, 1 ♀, leg. Abdinbekova; dist. Masally, 18.V.1961, 1 ♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

West Europe (GAVIN et al. 2011), Kazakhstan (TOBIAS, 1986), Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Subgenus *Centistes* HALIDAY, 1835

Centistes (Centistes) cuspidatus HALIDAY, 1833

Material:

dist. Gusar, 7-10.VII.1960, 4 ♂ ♂, leg. Abdinbekova; dist. Guba, 29.V.1962, 1 ♀, leg. Abdinbekova.

Hosts:

adults of the genus *Tachyporus* (Staphylinidae).

Distribution:

West Europe, Kazakhstan, Kirgizia, Sakhalin Islands, Azerbaijan (TOBIAS, 1986, ABDINBEKOVA, 1995).

Centistes (Centistes) fuscipes (NEES, 1834)

Material:

dist. Guba, 15.VI.1961, 1 ♂, leg. Abdinbekova; dist. Goranboy, 9.VI.1966, 1 ♂, leg. Abdinbekova.

Host:

Elachista trapeziella St. (Elachistidae).

Distribution:

West Europe, Sakhalin Islands, Primoryan territory (BELOKOBYLSKIY, 1992), Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Genus *Chrysopophthorus* GOIDANICH, 1948

Chrysopophthorus elegans TOBIAS, 1961

Material:

Nakhichevan AR, 3.VIII.1964, 1 ♂, leg. Abdinbekova.

Host:

Chrysopa carnea St. (Chrysopidae).

Distribution:

Azerbaijan (ABDINBEKOVA, 1995).

Genus *Dinocampus* FÖRSTER, 1862

Dinocampus coccinella (SCHRANK, 1802)

Material:

dist. Guba, 11.VI.1961, 1 ♀, leg. Abdinbekova; dist. Astara, 25.IV.1965, 1 ♂, leg. Abdinbekova; dist. Agdash, 8.VII.1966, 1 ♂, leg. Abdinbekova; dist. Mardakert (now Aghdere), 26.VI.1967, 1 ♂, leg. Abdinbekova; dist. Ordubad, 15.VI.1967, 1 ♀, leg. Abdinbekova; dist. Mirbashir (now Tartar), 16.V.1967, 1 ♀, leg. Abdinbekova; dist. Nukha (now Sheki), 28.V.1965, 1 ♀, leg. Abdinbekova; dist. Gakh, 24.VIII.1965, 1 ♂, leg. Abdinbekova; dist. Khachmaz, 15.V.1963, 1 ♂, leg. Abdinbekova.

Hosts:

Adalia bipunctata, *A. decempunctata* L., *A. deficiens* MULS., *A. flavomaculata*, *Cheilomenes sexmaculata* F., *C. lunata* F., *Coccinella quinquepunctata* L., *C. californica* MANN, *C. trifasciata perplexa* MULS., *C. undecimpunctata aegyptiaca* REICHE., *Harmonia axyridis* PALL., *Coelophora biplagiata* (Sw), *Coleomegilla maculata lengi* TIMB., *Cryptolaemus montrouzieri* MULS., *Eriopsis sede-cimpustulata* LATR., *Hippodamia convergens* GUERIN, *H. parenthesis* SAY., *Megilla maculata* DE GEER. (Coccinellidae).

Distribution:

Europe, Japan, China, Egypt, Azerbaijan (SHENEFELT, 1970, TOBIAS et al. 1995, ABDINBEKOVA, 1995).

Genus *Leiophron* NEES, 1818

Subgenus *Leiophron* NEES, 1819

Leiophron (Leiophron) apicalis HALIDAY, 1833

Material:

dist. Guba, 29.V.1960, 1 ♂, leg. Abdinbekova.

Hosts:

Orthotylus adenocarpus PERR. *Orthotylus artemisiae* J. SH., *Orthotylus beieri* WAG., *Orthotylus dimorphus* WAG. (Miridae).

Distribution:

West Europe, Mid Asia, Ukraine, Kazakhstan, Azerbaijan (ABDINBEKOVA, 1995).

Subgenus *Peristenus* FÖRSTER, 1862

Leiophron (Peristenus) reclinator (RUTHE, 1856)

Material:

dist. Khachmaz, 11.VIII.1962, 1 ♂, leg. Abdinbekova; dist. Kirovabad (Ganja), 18.VI.1967, 2 ♂♂, leg. Abdin-

bekova; dist. Goranboy, 23.VI.1967, 1 ♂, leg. Abdinbekova; dist. Julfa, 21.V.1967, 1 ♂, leg. Abdinbekova.

Hosts:

Lygocoris pabulinus L., *Liocoris tripustulatus* F. (Miridae).

Distribution:

Mid Europe, Azerbaijan (TOBIAS, 1986, ABDINBEKOVA, 1995).

Leiophron (Peristenus) orchesiaae CURTIS, 1833

Material:

dist. Masally, 18.V.1965, 4 ♂♂, leg. Abdinbekova; dist. Shamakhy, 27.V.1966, 1 ♂, leg. Abdinbekova.

Hosts:

Closterotomus norvegicus (GML.) (Miridae), *Orchesia micans* PANZ. (Melandryidae).

Distribution:

West Europe, Azerbaijan (TOBIAS, 1986, ABDINBEKOVA, 1995).

Leiophron (Peristenus) pallipes CURTIS, 1833

Material:

dist. Guba, 5.VII.1961-1962, 4 ♂♂, leg. Abdinbekova; Nakhichevan AR, 25.V.1967, 1 ♀, leg. Abdinbekova; dist. Kirovabad (now Ganja), 18.VI.1967, 1 ♂, leg. Abdinbekova.

Hosts:

Adelphocoris lineolatus Gz., *Adelphocoris rapidus* SAY, *Capsus ater* (L.), *Closterotomus norvegicus* (GML.), *Labops hirtus* KNIGHT, *Leptopterna dolabrata* (L.), *Lygus borealis* (KELT.), *Lygus desertus* KNIGHT, *Lygus elisus* VAN D., *Lygus hesperus* KNIGHT, *Lygus lineolaris* (P. DE B.), *Lygus pratensis* (L.), *Lygus rugulipennis* POPP, *Notostira erratica* (L.), *Plagiognathus medicagus* AR., *Trigonotylus coelestialium* (KIRK.) (Miridae), *Timarcha tenebricosa anglica* BECH., *Timarcha tenebricosa* (F.) (Chrysomelidae), *Eustrophus dermestoides* (F.) (Tetratomidae).

Distribution:

Europe, Turkey (YILMAZ et al. 2008), Former USSR, Caucasus, Azerbaijan (TOBIAS, 1986, ABDINBEKOVA, 1995).

Leiophron (Peristenus) picipes CURTIS, 1833**Material:**

dist. Lerik, 5.VII.1965, 2 ♀♀, leg. Abdinbekova; dist. Goygol, 24.IV.1966, 1 ♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

Europe, Egypt, Chine (SHENEFELT, 1970), Turkey (YILMAZ, 2008), Former USSR, Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Genus *Meteorus* HALIDAY, 1835*Meteorus abdominator* NEES VON ESENBECK, 1811**Material:**

dist. Guba, 18.VII.1961, 1 ♀, leg. Abdinbekova; dist. Lerik, 20.VII.1965, 1 ♂, leg. Abdinbekova; dist. Dashkasan, 23.VIII.1966, 1 ♂, leg. Abdinbekova; dist. Gadabay, 1.VII.1967, 1 ♂, leg. Abdinbekova; dist. Shahbuz, 14.IX.1967, 1 ♂, leg. Abdinbekova.

Hosts:

Cheimatobia brumata L., *Eucosmia certata* HBN., *Larentia fluctuate* L., *L. viridaria* L., (Geometridae) (HUDDLESTON 1980), *Gymnaetron* spp. (Curculionidae) (GUCLU, 2006).

Distribution:

Europe (GAVIN et al. 2011), Japan, Former USSR (HUDDLESTON 1980), Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Meteorus filator (HALIDAY, 1835)**Material:**

dist. Dashkasan, 7.VIII.1966, 2 ♂♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

Europe, Turkey, Russia, Azerbaijan (ABDINBEKOVA, 1995).

Meteorus gyrator (THUNBERG, 1822)**Material:**

dist. Astara, 25.VI.1965, 1 ♂, leg. Abdinbekova.

Hosts:

Lacanobia oleracea (L.), *Mamestra brassica* (L.), *Spodoptera exigua* (HBN.), *Spodoptera littoralis* (BOISD.), *Chrysodeixis chalcites* (Esp.), *Cosmia diffinis* (L.) (Noctuidae).

Distribution:

Europe, Egypt, Russia, Azerbaijan (ABDINBEKOVA, 1995).

Meteorus ictericus (NEES, 1811)**Material:**

dist. Guba, 2.V.1961, 1962, 1964, 2 ♀♀, 4 ♂♂, leg. Abdinbekova.

Hosts:

Archips crataegana HBN., *Archips oporana* (L.), *Archips rosana* (L.), *Archips xylosteana* (L.), *Tortrix viridana* (L.) (Tortricidae), *Apamea remissa* (HBN.), *Cosmia trapezina* (L.), *Euproctis chrysorrhoea* (L.), *Eupsilia transversa* (HFN.), *Helicoverpa armigera* (HBN.), *Leucania loreyi* (DUP.), *Leucoma salicis* (L.), *Spodoptera exigua* (HBN.), *Thaumetopoea pityocampa* DEN. & SCHIEF., *Thaumetopoea processionea* (L.) (Noctuidae), *Abraxas grossulariata* (L.), *Erannis defoliaria* (CL.), *Hemithea aestivaria* (HBN.), *Eupithecia tripunctaria* (H.-S.), *Eupithecia virgaureata* DOUBL., *Operophtera brumata* (L.), *Rhoptria asperaria* (HBN.), (Geometridae), *Dendrolimus pini* (L.) (Lasiocampidae).

Distribution:

Europe, Turkey, China, Japan, Korea, Azerbaijan (ABDINBEKOVA, 1995)

Meteorus pulchricornis (WESMAEL, 1835)**Material:**

dist. Ordubad, 29.V.1967, 1 ♀, leg. Abdinbekova.

Hosts:

Lycophotia porphyrea (DEN. & SCHIEF.), *Eupsilia transversa* (HFN.) (Noctuidae), *Lymantria dispar* (L.) (Lymantriidae), *Operophtera brumata* (L.), *Agriopsis leucophaearia* (DEN. & SCHIEF.), *Agriopsis aurantiaria* (HBN.), *Eupithecia nanata* (HBN.) (Geometridae), *Thecla betulae* (L.) (Lycaenidae), *Nola cucullatella* (L.) (Nolidae), *Poecilocampa populi* (L.) (Lasiocampidae), *Charaxes jasius* L. (Nymphalidae) (HUDDLESTON 1980), *Hypocassida subferruginea* SCH. (Chrysomelidae) (GUCLU, 2006).

Distribution:

West Europe, New Zealand, Cyprus, Turkey, Japan (HUDDLESTON, 1980), Turkmenistan, Caucasus, Azerbaijan (TOBIAS, 1995, ABDINBEKOVA, 1995).

Meteorus rubens (NEES VON ESENBECK, 1811)**Material:**

dist. Gusar, 7.VIII.1960–62, 3 ♀ ♀, leg. Abdinbekova; Nakhichevan AR, 2.VI.1967, 20 ♂ ♂, leg. Abdinbekova; dist. Gobustan, May, 1967, 2 ♀ ♀, leg. Abdinbekova.

Hosts:

Agrotis ipsilon (HFN.), *Agrotis exclamationis* (L.), *Mamestra brassicae* (L.), *Spodoptera exigua* (HBN.), *Noctua pronuba* (L.) (Lepidoptera, Noctuidae), *Cynthia cardui* (L.) (Lepidoptera, Nymphalidae), *Idaea muricata* (HFN.) (Lepidoptera, Geometridae) (HUDDLESTON, 1980).

Distribution:

Europe, Algeria, Cyprus, Egypt, Israel, Japan, Mongolia, Turkey (SHENEFELT 1970), Caucasus, Azerbaijan (TOBIAS, 1995, ABDINBEKOVA, 1995).

Meteorus versicolor (WESMAEL, 1835)**Material:**

dist. Khachmaz, 6.VIII.1962–1963, 2 ♀ ♀, leg. Abdinbekova; dist. Guba, 18.VII.1961, 1 ♀, leg. Abdinbekova; dist. Kalbajar, 25.VIII.1966, 1 ♀, leg. Abdinbekova; dist. Goychay, 8.VIII.1964, 3 ♀ ♀, leg. Abdinbekova; dist. Masally, June, VI.1965, 10 ♂ ♂, leg. Abdinbekova; dist. Agdash, 22.V.1962, 2 ♀ ♀, leg. Abdinbekova.

Hosts:

Lasiocampa quercus (L.), *Malacosoma neustria* (L.), *Macrothylacia rubi* (L.) (Lasiocampidae), *Dasychira pudibunda* (L.) *Euproctis chrysorrhoea* (L.), *Leucoma salicis* (L.), (Lymantriidae), *Anarta myrtilli* (L.), *Lycophotia porphyrea* (DEN. & SCHIF.) (Noctuidae), *Eulithis testata* (L.) (Geometridae), *Maniola jurtina Thaumetopoea processionea* (L.) (Satyridae) (HUDDLESTON 1980), *Ips typographus* L. (Curculionidae) (GUCLU, 2006).

Distribution:

Europe, Mongolia, Turkey (HUDDLESTON 1980), Caucasus, Azerbaijan (TOBIAS, 1995).

Genus *Microctonus* WESMAEL, 1835*Microctonus aethiopoulos* (LOAN, 1975)**Material:**

dist. Guba, 8–26.IV.1962, 4 ♂ ♂, leg. Abdinbekova; dist. Lankaran, 5.VIII.1964, 1 ♂, leg. Abdinbekova; dist. Lerik, 30.VI.1965, 1 ♂, leg. Abdinbekova; dist. Ordubad,

5.VI.1967, 4 ♂ ♂, leg. Abdinbekova; dist. Norashen (now Sharur), 23.V.1967, 1 ♀, leg. Abdinbekova; dist. Mardakert (now Aghdere), 20.VI.1967, 1 ♂, leg. Abdinbekova; dist. Julfa, 24.VI.1967, 1 ♀, leg. Abdinbekova.

Hosts:

Hypera postica GYLL., *Hypera meles* F., *Hypera nigritrostris* F., *Sitona discoideus* GYLL., *Sitona lepidus* GYLL., *Listronotus bonariensis* KUSCH. (Curculionidae).

Distribution:

All Palaearctic, North America, Australia and New Zealand, Azerbaijan (TOBIAS, 1986, ABDINBEKOVA, 1995).

Microctonus melanopus (RUTHE, 1856)**Material:**

dist. Ordubad, 2.VI.1967, 2 ♀ ♀, leg. Abdinbekova; Nakhichevan AR, 2.VI.1967, 1 ♂, leg. Abdinbekova.

Hosts:

Ceutorhynchus assimilis (PAYK.), *Ceutorhynchus leprieuri* BRIS., *Ceutorhynchus obstrictus* MARSH., *Ceutorhynchus pleurostigma* MARSH., *Ceutorhynchus quadridens* (PAN.), *Ceutorhynchus pallidactylus* MARSH., *Hypera meles* (FABR.) (Curculionidae).

Distribution:

West Europe, Mid Asia, Caucasus, Kazakhstan (TOBIAS, 1986).

Genus *Pygostolus* HALIDAY, 1833*Pygostolus falcatus* (NEES, 1834)**Material:**

dist. Gusar, 10.VII.1967, 1 ♀, leg. Abdinbekova; dist. Khachmaz, 28.V.1961, 1 ♂, leg. Abdinbekova; dist. Mardakert (now Aghdere), 21.VI.1967, 1 ♂, leg. Abdinbekova.

Hosts:

Brachyderes incanus L., *Polydrusus pilosulus* CHEVR., *Oti-orhynchus ovatus* L., *Strophosoma capitatum* DE. GEER., *Sitona humeralis* STEPH. (Curculionidae), *Cryptocephalus bipunctatus* L. (Chrysomelidae).

Distribution:

West Europe, Mongolia, North America, Kazakhstan, Kirgizia, Siberia, Sakhalin, Caucasus, Azerbaijan (TOBIAS, 1986, ABDINBEKOVA, 1995).

Genus *Syntretus* FÖRSTER, 1862

Subgenus *Syntretus* FÖRSTER, 1862

Syntretus (Syntretus) elegans (RUTHE, 1856)

Material:

dist. Guba, 10.IX.1962, 1 ♂, leg. Abdinbekova; dist. Mardakert (now Aghdere), 28.IV.1967, 2 ♀ ♀, leg. Abdinbekova; dist. Barda, 20.V.1966, 1 ♂, leg. Abdinbekova.

Host:

unknown.

Distribution:

Europe (VAN ACHTERBERG & HAESSELBARTH, 2003), Turkey (YILMAZ, 2008), Far East Russia, Kazakhstan, Georgia, and Lithuania (BELOKOBYSKIY, 2000), Azerbaijan (ABDINBEKOVA, 1995).

Genus *Wesmaelia* FÖRSTER, 1862

Wesmaelia pendula FÖRSTER, 1862

Material:

dist. Guba, 28.VI.1961, 1 ♂, leg. Abdinbekova; dist. Goychay, 25.V.1964, 1 ♂, leg. Abdinbekova.

Hosts:

Nabis alternatus PARSH., *Nabis americolimbatus* C., *Nabis capsiformis* GERM. (Nabidae).

Distribution:

Europe (GAVIN et al., 2006), Former USSR, Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Genus *Zele* CURTIS, 1832

Zele chlorophthalmus (SPINOLA, 1808)

Material:

dist. Guba, 20.VIII.1961, 4 ♀ ♀, leg. Abdinbekova; dist. Shahbuz, 14.IX.1967, 10 ♂ ♂, leg. Abdinbekova; dist. Gutkashen (now Gabala), 17.VII.1965, 1 ♂, leg. Abdinbekova; dist. Gakh, 24.VII.1965, 2 ♂ ♂, leg. Abdinbekova; dist. Shamakhy, 14.VII.1965, 2 ♂ ♂, leg. Abdinbekova.

Hosts:

Bupalus piniaria L., *Hydriomena furcata* THUNB., *Rheumaptera hastata* L., *Semiothisa continuaria* EVERS.M., (Geometridae), *Anarta myrtilli* (L.) (Noctuidae), *Ostrinia nubilalis* HBN., (Pyralidae), *Acleris variana* FENNALD (Tortricidae).

Distribution:

West Europe, Caucasus, Kazakhstan, Siberia, Azerbaijan (ABDINBEKOVA, 1995).

Subfamily MACROCENTRINAE

Genus *Macrocentrus* CURTIS, 1833

Macrocentrus blandus EADY at CLARK, 1964

Material:

dist. Dashkasan, 6.VIII.1967, 4 ♀ ♀, leg. Abdinbekova; dist. Mardakert (now Aghdere), 26.VI.1967, 2 ♂ ♂, leg. Abdinbekova; dist. Gadabay, 1.VII.1967, 1 ♂, leg. Abdinbekova.

Hosts:

Zeiraphera griseana HBN. (Tortricidae), *Agrotis segetum* (DEN. et SCHIFF.), *Hydraecia petasitis* DBLD., *Dasyptilia templi* (THUNG.), *Mesapamea secalis* (L.), *Hydraecia micacea* (ESP.) (Noctuidae).

Distribution:

West Europe (GAVIN et al. 2011), Turkey (GUCLU, 2006), Former USSR, Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Macrocentrus collaris (SPINOLA, 1808)

Material:

dist. city Sumgayit, 27.IX.1937, 1 ♀, leg. Vinovsky; dist. Kirovabad (now Ganja), 6.VII.1937, 1 ♂, leg. Vinovsky; dist. Ordubad, 1-6.VII.1937, 1 ♀, 1 ♂, leg. Vinovsky; dist. Norashen (now Sharur), 13.VI.1959, 6 ♀ ♀, 6 ♂ ♂, leg. Gurbanov; dist. Norashen (now Sharur), 13.VI.1959, 1 ♂, leg. Abdinbekova; dist. Gadabay, 2.VII.1959, 1 ♀, 3 ♂ ♂, leg. Jafarov; Same locality, 30.VI.1967, 1 ♀, 28.VI.1966, 3 ♀ ♀, 28.VIII.1966, 2 ♀ ♀, leg. Abdinbekova; dist. Kurekchay (now in the territory of Goranboy district), 29.VIII.1959, 19 ♀ ♀, leg. Abdinbekova; dist. Mirbashir (now Tartar), 14-17.VII.1966, 4 ♀ ♀, 1 ♂, 14.VII.1968, 1 ♀, leg. Abdinbekova; Same locality, 27.III.1966, 2 ♀ ♀, 2 ♂ ♂, leg. Abdinbekova; dist. Barda, 29.VI.1966, 1 ♂, 1 ♀, the same district, village Shirvanly, 17.VI.1966, 1 ♀, leg. Abdinbekova; dist. Guba, 22.VII.1962, 1 ♀, 23.VII.1967, 1 ♂, 24.V.62, 4 ♀ ♀, 9 ♂ ♂, leg. Abdinbekova; the same district village Vladimirovka, 29.VII.1960, 1 ♂, leg. Abdinbekova; the 11th sovkhos, 16.V.1961, 1 ♀, 29.IX.1961, 2 ♀ ♀, 4 ♂ ♂, 21.VI.1961, 1 ♀, 10.VIII.1961, 1 ♂, leg. Abdinbekova; dist. Gusar, 11.VII.1960, 1 ♂, leg. Abdinbekova; dist. Gasym-Ismayilov (now Goranboy), 18.VI.1966, 1 ♀, leg. Abdinbekova; dist. Norashen (now Sharur), 13.VII.1963, 1 ♂, leg. Abdinbekova; dist. Goychay, 2.X.1964, 1 ♂, leg. Abdinbekova; dist. Masally, 12.V.1965, 2 ♀ ♀, 1 ♂,

26.VI.1965, 1 ♂, 16.VII.1965, 1 ♀, 1 ♂, leg. Abdinbekova; dist. Lankaran, 6.VI.1965, 3 ♀♀, 1 ♂, 30.VI.1966, 1 ♀, 5.IX.1965, 2 ♂♂, leg. Abdinbekova; dist. Ordubad, 7.VII.1965, 1 ♀, 1 ♂, 25.V.1966, 4 ♀♀, 2 ♂♂, leg. Mamedov; Same locality, 1.VI.1965, 1 ♂, leg. Mirzazadeh; Same locality, 3-15.VI.1967, 2 ♀♀, 2 ♂♂, leg. Abdinbekova; city Baku, 24-25.VII.1960, in the Botanical garden, 1 ♀, leg. Abdinbekova; dist. Agdash, 13.VI.1966, 1 ♂, leg. Abdinbekova; dist. Kalbajar, 2.VIII.1966, 1 ♂, 25.VIII.1966, 1 ♂, 9.IX.1966, 8 ♀♀, 3 ♂♂, leg. Abdinbekova; dist. Mardakert (now Aghdere), 31.III.1966, 2 ♀♀, 16.VI.1967, 3 ♀♀, 14.VIII.1966, 3 ♀♀, leg. Abdinbekova; Nakhichevan AR, 21.IV.1967, 1 ♂, 13.VI.1967, 6 ♀♀, 2 ♂♂, 16.VI.1967, 1 ♂, leg. Abdinbekova; dist. Margushevan (now Khojavend), 1.VII.1966, 1 ♀, 4.VI.1967, 1 ♂, 3 ♀♀, leg. Abdinbekova; dist. Khanlar (now Goygol), 24.VI.1968, 3 ♀♀, leg. Abdinbekova; dist. Shamakhy, 26.V.1966, 1 ♀, the same district, village Chukhuryurd, 27.V.1966, 2 ♀♀, leg. Abdinbekova; dist. Agdam, 8.VIII.1966, 2 ♀♀, 18.VII.1966, 1 ♀, 1 ♂, leg. Abdinbekova; dist. Dashkasan, 2.VIII.1966, 2 ♀♀, leg. Abdinbekova; Shamkhor (now Shamkir), 19.V.1966, 10 ♀♀, leg. Abdinbekova; dist. Khankendi, 18.VIII.1966, 1 ♂, leg. Abdinbekova; dist. Shahbuz, 14.VI.1967, 2 ♀♀, 2 ♂♂, leg. Abdinbekova; Nakhichevan AR, 2.V.1967, 1 ♂, 23-28.V.1967, 4 ♀♀, 6 ♂♂, leg. Abdinbekova; dist. Julfa, 21.V.1967, 1 ♂, 3 ♀♀, leg. Abdinbekova; dist. Zagatala, 17.V.1959, 3 ♂♂, leg. Abdinbekova; dist. Masally,

29.III.1965, 1 ♂, leg. Abdinbekova; dist. Astarkhan-Bazar (now Jalilabad).

Hosts:

Agriotes lineatus L. (Elateridae), *Anobium punctatum* (DEG.) (Anobiidae), *Lycia hirtaria* (CL.) (Geometridae), *Polygonia c-album* (L.) (Nymphalidae), *Eupoecilia ambiguella* (HBN.), DEN. et SCHIFF. (Tortricidae), *Agrotis clavis* (HFN.), *Agrotis exclamationis* (L.), *Agrotis ipsilon* (HFN.), *Agrotis segetum* (DEN. et SCHIFF.), *Euxoa cursoria* (HFN.), *Heliothis armigera* (HFN.), *Heliothis virespila* (HFN.), *Lymantria monacha* (L.), *Mamestra brassicae* (L.), *Noctua pronuba* (L.), *Spodoptera littoralis* (BOISD.) (Noctuidae).

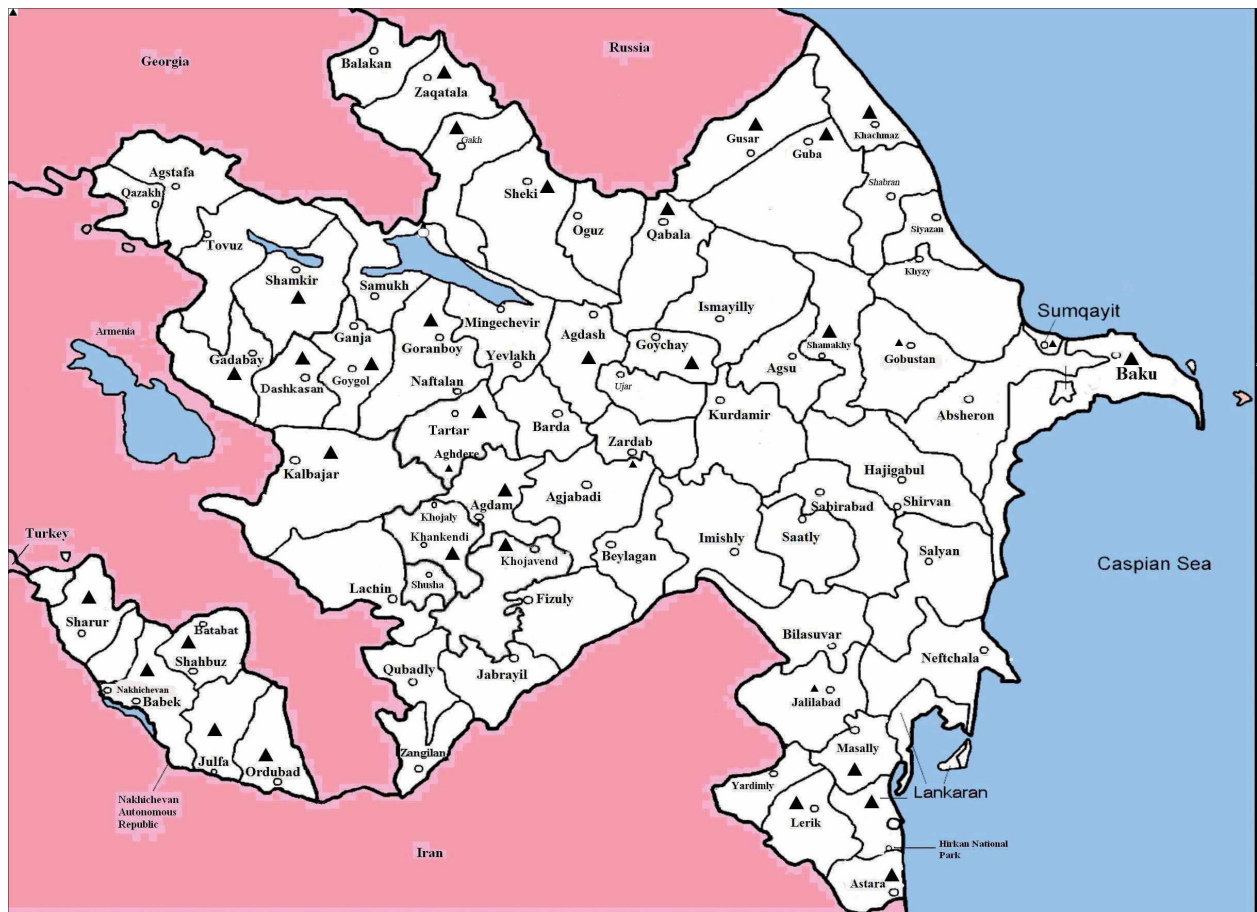
Distribution:

West Europe (GAVIN et al. 2011), Turkey (GUCLU, 2006), Former USSR, Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Macrocentrus grandii GOIDANICH, 1937

Material:

dist. Mirbashir (now Tartar), 12.VI.1966, 2 ♂♂, leg. Abdinbekova; dist. Kalbajar, 25.VIII.1966, 1 ♂, leg. Abdinbekova.



Map 1: Records of Braconidae in Azerbaijan, places (open circles) and localities (filled triangles).

Hosts:

Vanessa atalanta (L.) (Nymphalidae), *Chilo partellus* SWIN. (Plutellidae), *Eurrhyncha hortulata* L., *Ostrinia furnacalis* (GN.) (Pyralidae), *Ostrinia nubilalis* (HBN.), *Pleuroptya ruralis* SCOP. (Pyralidae).

Distribution:

West Europe (GAVIN et al. 2011), Former USSR, Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

Macrocentrus linearis (NEES, 1811)

Material:

dist. Agdam, 21.IV.1960, 1 ♀, leg. Abdinbekova; dist. Goychay, 14.V.1964, 1 ♂, leg. Abdinbekova; dist. Guba, 22.VI.1962, 1 ♀, leg. Abdinbekova.

Hosts:

Achlya flavicornis (L.), *Drepana arcuata* WLK., *Drepana falcataria* (L.) (Drepanidae), *Ennomos quercinaria* (HFN.), *Ennomos subsignaria* (HBN.) (Geometridae), *Malacosoma disstria* HBN., *Malacosoma neustria* (L.) (Lasiocampidae), *Peribatodes rhomboidaria* (DEN. & SCHIF.) (Geometridae), *Acleris comariana* (LIEN. & ZELL.), *Acleris variegana* (DEN. & SCHIF.), *Aleimma loeflingiana* (L.), *Archips rosana* (L.), *Archips xylosteana* (L.), *Tortrix viridana* (L.) (Tortricidae), *Acrobasis sodalella* ZELL., *Anania funebris* (STR.), *Ostrinia nubilalis* (HBN.) (Pyralidae), *Agonopterix alstromeriana* (CL.), *Agonopterix nanatella* ST. (Depressariidae), *Anacamptis populella* CL. (Gelechiidae), *Plutella xylostella* (L.) (Plutellidae).

Distribution:

West Europe (GAVIN et al. 2011), Former USSR, Caucasus, Azerbaijan (ABDINBEKOVA, 1995).

References

- ABDINBEKOVA, A. A. 1969: Braconid wasps (Hymenoptera, Braconidae) of Great Caucasus, Azerbaijan (within Azerbaidzhan). – *Izvestiya Akademii Nauk Azerbaidzhanskoi SSR. Ser. Biologicheskikh Nauk.* **6**: 81-91. (in Russian).
- ABDINBEKOVA, A. A. 1969: On the knowledge about braconids (Hymenoptera, Braconidae) in the Lankaran zone of Azerbaidjan. – *Doklady Akademii Nauk Azerbaidzhanskoi SSR.* **25** (9): 59-66. (in Russian).
- ABDINBEKOVA, A. A. 1995: Hymenopterans (Hymenoptera, Braconidae) of Azerbaijan. – Baku, 472 p. (in Azery).
- BELOKOBYLSKIJ, S. A. 1992: Revision of the genus *Centistes* HALIDAY (Hymenoptera: Braconidae: Euphorinae) of the USSR Far East and neighbouring territories. – *Zoologische Mededelingen* **66** (11): 199-237.
- BELOKOBYLSKIJ, S. A. 2000: In: P. A. Ler (ed.). *Opredelitel nasekomykh dalnegobostoka Rossii* **4** (4): Vladivostok: 1-650.
- BEYARSLAN, A. 2011: *Eubazus (Brachistes) aydae* sp. nov. from Turkey (Hymenoptera: Braconidae: Brachistinae). – *J. Entomological Research Society*, **13** (1): 107-111.
- PAPP, J. 2007: Braconidae (Hymenoptera) from Greece, 6 – *Notes fauniques de Gembloux* **60** (3): 99-127.
- PAPP, J. 2009: Braconidae (Hymenoptera) from Mongolia, XVII. Eleven subfamilies. – *Acta Zoologica Academiae Scientiarum Hungaricae* **55** (2): pp. 139-173.
- HUDDLESTON, T. 1980: A revision of the western Palaerctic species of the genus *Meteorus* (Hymenoptera, Braconidae). – *Bulletin of the British Museum Natural History (Entomology)* **41**: 1-58.
- LOZAN, A. I. 2004: Braconid wasps from Crete Island (Greece) with description of *Chorebus tobiasi* sp. n. (Hymenoptera: Braconidae). – *Proceedings of Russian Entomological Society, St. Petersburg, Vol. 75* (1): 122-126.
- SHENEFELT, R. D. 1970: Braconidae 11. Introduction. Guide to Host Names Index to Braconid Name. – In: *Hymenopterum Catalogus* **16**: 1-384.
- TOBIAS, V. I.; BELOKOBYLSKIJ, S. A. & KOTENKO, A. G. 1995: Keys to the Insects of the European Part of the USSR: Volume III Hymenoptera Part IV: 883 pp. (in Russian).
- YILMAZ, T.; AYDOĞDU, M. & BEYARSLAN, A. 2010: The distribution of Euphorinae wasps (Hymenoptera: Braconidae) in Turkey, with phylogeographical notes. – *Turkish Journal of Zoology* **34**: 181-194.
- VAN ACHTERBERG, C. 1988: Revision of The subfamily Blacinae FOERSTER (Hymenoptera, Braconidae). – *Zoologische Verhan.*: pp. 249-324.
- VAN ACHTERBERG, C. & HAESSELBARTH, E. 2003: Revision of the genus *Syntretus* FOERSTER (Hymenoptera: Braconidae: Euphorinae) from Europe *Zoologische Mededelingen* **77** (2): 9-78.
- VLADIMIR, Ž.; VAN ACHTERBERG, K. & STANKOVICI, S. 2010: A contribution to Braconidae, Hybrizontidae (Hymenoptera: Ichneumonoidea) and Stephanidae (Hymenoptera: Stephanoidea) from the South-West Balkans. – *Acta Entomologica Serbica*, **15** (2): 227-235.

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Beiträge zur Entomologie = Contributions to Entomology](#)

Jahr/Year: 2013

Band/Volume: [63](#)

Autor(en)/Author(s): Abdinbekova Arifa, Huseynova Ellada Aghamelik, Kerimova Ilhama Gudrat

Artikel/Article: [Braconidae \(Hymenoptera\) in the collection of the Institute of Zoology, NAS of Azerbaijan Republic Part III. Subfamilies Helconinae, Brachistinae, Euphorinae, Macrocentrinae \(Hymenoptera\). 271-282](#)