

A checklist of Ichneumonidae (Hymenoptera: Ichneumonoidea) from Iran

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The list of Ichneumonidae (Hymenoptera: Ichneumonoidea) of Iran is updated. Until now, 502 species belonging to 189 genera and 24 subfamilies are recorded. Two subfamilies, Cryptinae and Ichneumoninae, are the most species-rich groups, while the subfamilies Brachycyrtinae, Collyriinae, Cyloceriinae, Hybrizontinae, Mesochorinae, Orthocentrinae and Orthopelmatinae represented by only one species in Iran. Three species of family, *Anisobas rebellis* Wesmael, 1845 (Ichneumoninae), *Exochus britannicus* Morley, 1911 (Metopiinae) and *Trybosis priesneri* Rossem, 1971 (Cryptinae), are also newly recorded for the fauna of Iran. We also present additional comments for the valid names of some species, together with the general distribution.

Key words: Fauna, insects, checklist, Ichneumonidae, new records, parasitic wasps, Iran

INTRODUCTION

Ichneumonidae is a large family of parasitic wasps with about 60,000 species belonging to 35 genera worldwide (Townes, 1969; Çoruh and Özbek, 2005). This family includes 153 fossil species (Yu and Horstmann, 1997a, b). Ichneumonids are parasitoids of Lepidoptera, Hymenoptera, Diptera, Coleoptera and rarely spiders and other arthropod groups (Çoruh and Kolarov, 2010).

A catalogue of Iranian Ichneumonidae has recently been published by Kolarov and Ghahari (2005), in which they recorded 144 species belong to 65 genera and 14 subfamilies. Since then, further investigations have been performed on the faunal diversity of the ichneumonids in Iran both as the regional faunistic researches (Masnadi, 2005, 2006a, b, 2007; Kolarov and Ghahari, 2006, 2007, 2008; Masnadi and Jussila, 2008a, b, 2009; Zarepour et al., 2008, 2009; Masnadi et al., 2010; Ghahari et al., 2010a, b, c; Ghahari and Jussila, 2010a, b, c, 2011a, b, c, d, e; Ghahari and Schwarz, 2011; Ghahari, 2012; Barahoei et al., 2012, 2013a; Mohammadi et al., 2013) and occasional records (Sharifi and Javadi, 1971; Gonzalez et al., 1980; Malkeshi and Kheiabani, 1997; Sedghian, 2001; Mojeni and Sedivy, 2001; van Achterberg and Mehrnejad, 2002; Roshandel and Ebrahimi, 2003; Narolsky et al., 2003; Talebi et al., 2004, 2005; Hesami et al., 2005; Karimpour et al., 2005a, b, 2007; Masnadi and Sadeghi, 2006; Masnadi and Riedel, 2006; Karimpour and Horstmann, 2006; Ghadiri et al., 2007; Lotfalizadeh et al., 2007, 2009, 2012; Golizadeh et al., 2008; Nourbakhsh et al., 2008; Daneshvar et al., 2009; Zarnegar et al., 2009; Karimpour and Razmi, 2010; Kishani et al., 2010; Akbarzadeh, 2011; Mohammadi et al., 2011; Razmi et al., 2011; Firuzi Jahantighi et al., 2012; Naderian et al., 2012; Barahoei et al., 2013b; Ghahari et al., 2012). More than three hundred species have been recorded after the first catalogue by Kolarov and Ghahari (2005).

Thus, it is necessary to update the list of recorded species from Iran. In this paper all known species of Ichneumonidae from Iran are listed, as well as the valid names for some species that previously recorded under different names. In addition, new distributional data for some species, besides the record of three new species are presented here.

MATERIAL AND METHODS

The major part of the data has been extracted from the literature of Iranian Ichneumonidae and cited for each species in the text. Additional data were also provided for some species from the collected material during 2009-2011 by a standard sweeping net at various locations of Eastern part of Iran (Khorasan-e-Razavi and Sistan and Baluchestan Provinces). Identifications were made using reliable keys and the original descriptions (Townes, 1969, 1970a, b, 1971). The newly collected material is deposited in the insect collection of Department of Plant Protection, University of Zabol, Iran. Nomenclature, host data (where exist) and distribution data are mainly taken from Yu et al. (2012).

RESULTS AND DISCUSSION

Data of 502 species of Ichneumonidae are listed alphabetically below according to subfamily names. The data are sorted to the valid name, author and year, provincial distribution in Iran, the general distribution of species as well as the remarks. New evidences for the occurrence of some species are also given, that indicated by a dagger (†). Three species, *Anisobas rebellis* Wesmael, 1845 (Ichneumoninae), *Exochus britannicus* Morley, 1911 (Metopiinae) and *Trychosis priesneri* Rossem, 1971 (Cryptinae), are newly recorded for the fauna of Iran, indicated by an asterisks (*) in the text.

Subfamily Acaenitinae Förster, 186

Tribe Acaenitini Förster, 1869

***Arotes albicinctus* Gravenhorst, 1829**

Distribution in Iran: Azerbaijan-e-Sharghi (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Phaenolobus araxicola* Kasparyan, 1985**

Distribution in Iran: Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Phaenolobus areolator* (Constantineanu & Constantineanu, 1968)**

Distribution in Iran: Fars (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Phaenolobus fulvicornis* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Sharghi (Masnadi et al., 2010).

General distribution: Western Palaearctic (Yu et al., 2005).

***Phaenolobus saltans* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Karimpour et al., 2005a, 2007).

General distribution: Western Palaearctic (Yu et al., 2005).

Host record: *Chamaesphecia schizoceriformis* (Kolenati, 1846) (Lep.: Sesiidae) (Karimpour et al., 2005a, 2007).

Tribe Coleocentrini Clement, 1938

***Coleocentrus caligatus* Gravenhorst, 1829**

Distribution in Iran: Kerman (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Coleocentrus croceicornis* (Gravenhorst, 1829)**

Distribution in Iran: Fars (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Procinetus decimator* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Sharghi (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Subfamily Anomaloninae Viereck, 1918

Tribe Anomalonini Viereck, 1918

***Anomalon amseli* (Hedwig, 1961)**

Distribution in Iran: Khorasan-e-Razavi (Masnadi and Jussila, 2009).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Anomalon cruentatum* (Geofroy, 1785)**

Distribution in Iran: Ardabil (Masnadi and Jussila, 2009), Yazd (Zarepour et al., 2009), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c), Sistan and Baluchestan (Barahoei et al., 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Anomalon foliator* (Fabricius, 1798) (Zarepour et al., 2009), which is a synonym of *Anomalon cruentatum*.

Tribe Gravenhorstiini Enderlein, 1912

***Barylypa amabilis* (Tosquinet, 1900)**

Distribution in Iran: Golestan (Mojeni and Sedivy, 2001; Kolarov and Ghahari, 2005), Kermanshah (Kolarov and Ghahari, 2005), Sistan and Baluchestan (Barahoei et al., 2012, 2013a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Helicoverpa armigera* (Hubner, 1808) (Lep.: Noctuidae) (Mojeni and Sedivy, 2001).

***Barylypa delictor* (Thunberg, 1822)**

Distribution in Iran: Guilan (Masnadi and Jussila, 2009).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Barylypa helleni* Schnee, 1989**

Distribution in Iran: Qom (Masnadi and Jussila, 2009).

General distribution: Western Palaearctic (Yu et al., 2005).

***Barylypa pallida* (Gravenhorst, 1829)**

Distribution in Iran: Golestan (Mojeni and Sedivy, 2001; Kolarov and Ghahari, 2005), Alborz (Kolarov and Ghahari, 2005), Hormozgan (Masnadi and Jussila, 2009).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Helicoverpa armigera* (Hubner, 1808) (Lep.: Noctuidae) (Mojeni and Sedivy, 2001).

Remark: This species has previously been recorded as *Anomalon pallidum* (Gravenhorst, 1829) (Masnadi and Jussila, 2009), which is a synonym of *Barylypa pallida*.

***Barylypa propugnator* (Förster, 1855)**

Distribution in Iran: Sistan and Baluchestan (Barahoei et al., 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Barylypa rufa* (Habermehl, 1920) (Barahoei et al., 2012), which is a synonym of *Barylypa propugnator*.

***Barylypa transcaspica* Kokujev, 1903**

Distribution in Iran: Khorasan-e-Shomali (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Barylypa uniguttata* (Gravenhorst, 1829)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2005), Alborz (Klopfstein and Baur, 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Heteropelma signatum* (Gravenhorst 1829)**

Distribution in Iran: Mazandaran, Kerman (Ghahari et al., 2010b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Kokujewiella ibera* (Ceballos, 1957)**

Distribution in Iran: Hamadan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Subfamily Banchinae Wesmael, 1845**Tribe Atrophini Seyrig, 1932*****Arenetra agrotidis* Kokujev, 1906**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Arenetra pilosella* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Sharghi (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Lissonota (Loxonota) flavovariegata* (Lucas, 1849)**

Distribution in Iran: Mazandaran (Ghahari et al., 2010a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Lissonota (Loxonota) lineata* Gravenhorst, 1829**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Lissonota magdalena* Pfankuch, 1921**

Distribution in Iran: Ardabil (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Lissonota (Loxonota) mediterranea* Seyrig, 1927**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2010a), Ardabil (Ghahari and Jussila, 2011c).

General distribution: Western Palaearctic (Yu et al., 2005).

***Lissonota oculatoria* (Fabricius, 1798)**

Distribution in Iran: Golestan (Ghahari and Jussila, 2010 a), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011 c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Tromatobia oculatoria* (Fabricius, 1798) under subfamily Pimplinae in Iran (Ghahari et al., 2010b).

Tribe Banchini Wesmael, 1845***Banchus dilatatorius* (Thunberg, 1824)**

Distribution in Iran: Not exactly defined (Rey del Castillo, 1989; Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Exetastes crassus* Gravenhorst, 1829**

Distribution in Iran: Ardabil (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Exetastes fornicator* (Fabricius, 1781)**

Distribution in Iran: Azerbaijan-e-Sharghi (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic, Neotropical, Nearctic (Yu et al., 2005).

Subfamily Brachycyrtinae Viereck, 1919

***Brachycyrtus ornatus* Kriechbaumer, 1880**

Distribution in Iran: Isfahan (Kolarov and Ghahari, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic, Neotropical, Nearctic (Yu et al., 2005).

Subfamily Campopleginae Förster, 1869***Alcima orbitale* (Gravenhorst, 1829)**

Distribution in Iran: Not exactly defined (Haeselbarth, 1985).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Alcima pictor* Aubert, 1971**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Western Palaearctic (Yu et al., 2005).

***Bathyplectes anurus* (Thomson, 1887)**

Distribution in Iran: Chaharmahal-o-Bakhtiari (Roshandel and Ebrahimi, 2003; Kolarov and Ghahari, 2005), Azerbaijan-e-Gharbi (Gonzalez et al., 1980).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Host record: *Hypera postica* (Gyllenhal, 1813) (Coleoptera: Curculionidae) (Gonzalez et al., 1980; Roshandel and Ebrahimi, 2003).

***Bathyplectes curculionis* (Thomson, 1887)**

Distribution in Iran: Azerbaijan-e-Gharbi (Gonzalez et al., 1980), Chaharmahal-o-Bakhtiari (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Host record: *Hypera postica* (Gyllenhal, 1813) (Coleoptera: Curculionidae) (Gonzalez et al., 1980).

***Campoletis ensator* (Gravenhorst, 1829)**

Distribution in Iran: Fars (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Campoletis mitis* (Holmgren, 1860)**

Distribution in Iran: Fars (Masnadi et al., 2010).

General distribution: Western Palaearctic, Nearctic (Yu et al., 2005).

***Campoletis rapax* (Gravenhorst, 1829)**

Distribution in Iran: Golestan (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Campoletis thomsoni* Roman, 1915**

Distribution in Iran: Fars (Masnadi, 2006a; Masnadi et al., 2010).

General distribution: Western Palaearctic (Yu et al., 2005).

***Campoplex deficiens* Gravenhorst, 1829**

Distribution in Iran: Fars (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Campoplex multicinctus* Gravenhorst, 1829**

Distribution in Iran: Tehran (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Campoplex quadrimaculatus* Ratzeburg, 1852**

Distribution in Iran: Isfahan (Ghahari et al., 2010 b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Campoplex tumidulus* Gravenhorst, 1829**

Distribution in Iran: Tehran (Talebi et al., 2005), Qom, Markazi (Kishani et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Ectomyelois ceratoniae* (Zeller, 1839) (Lep.: Pyralidae) (Kishani et al., 2010).

***Casinaria tenuiventris* (Gravenhorst, 1829)**

Distribution in Iran: Tehran (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diadegma anurum* (Thomson, 1887)**

Distribution in Iran: Alborz (Golizadeh et al., 2008), Golestan (Masnadi et al., 2010).

General distribution: Western Palaearctic (Yu et al., 2005).

Host record: *Plutella xylostella* (Linnaeus, 1758) (Lep.: Plutellidae) (Golizadeh et al., 2008).

***Diadegma areolare* (Holmgren, 1860)**

Distribution in Iran: Azerbaijan-e-Gharbi (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diadegma armillatum* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Sharghi (Masnadi et al., 2010).

General distribution: Australasian, Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diadegma crassicornis* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diadegma fenestrata* (Holmgren, 1860)**

Distribution in Iran: Isfahan (Ghahari et al., 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Plutella xylostella* (Linnaeus, 1758) (Lep.: Plutellidae) (Ghahari et al., 2012).

***Diadegma hispanicum* Horstmann, 1973**

Distribution in Iran: Sistan and Baluchestan (Barahoei et al., 2013a).

General distribution: Western Palaearctic (Yu et al., 2005).

***Diadegma majale* (Gravenhorst, 1829)**

Distribution in Iran: Fars (Masnadi, 2006a; Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diadegma semiclausum* (Hellén, 1949)**

Distribution in Iran: Isfahan (Kolarov and Ghahari, 2005; Ghahari et al., 2012), Sistan and Baluchestan (Barahoei et al., 2013a).

General distribution: Australasian, Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Plutella xylostella* (Linnaeus, 1758) (Lep.: Plutellidae) (Ghahari et al., 2012).

***Dusona rugifer* (Förster, 1868)**

Distribution in Iran: Fars (Hinz and Horstmann, 2004).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Dusona stygia* (Förster, 1868)**

Distribution in Iran: Fars (Hinz and Horstmann, 2004).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Enytus apostatus* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Hellwigia elegans* Gravenhorst, 1823**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Hyposoter albipes* (Hedwig, 1957)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Ethiopian (Yu et al., 2005).

***Hyposoter clausus* (Brischke, 1880)**

Distribution in Iran: Azerbaijan-e-Gharbi (Razmi et al., 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Pieris brassicae* (Linnaeus, 1758) (Lep.: Pieridae) (Razmi et al., 2011).

***Hyposoter didymator* (Thunberg, 1822)**

Distribution in Iran: Azerbaijan-e-Gharbi (Karimpour et al., 2005b), Golestan (Ghadiri et al., 2007).

General distribution: Australasian, Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Simyra dentinosa* Freyer, 1838 (Lep.: Noctuidae) (Karimpour et al., 2005b) and *Helicoverpa armigera* (Hubner, 1808) (Lep.: Noctuidae) (Ghadiri et al., 2007).

***Hyposoter notatus* (Gravenhorst, 1829)**

Distribution in Iran: Fars (Masnadi, 2006 a; Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Leptoperilissus areolaris* (Hedwig, 1957)**

Distribution in Iran: Sistan and Baluchestan (Horstmann, 1993; Kolarov and Ghahari, 2005; Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic, Ethiopian (Yu et al., 2005).

***Leptoperilissus persicus* Horstmann, 1993**

Distribution in Iran: Tehran (Horstmann, 1993), Qazvin (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Phobocampe uncinata* (Gravenhorst, 1829)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Rhimphoctona (Xylophylax) megacephalus* (Gravenhorst, 1829)**

Distribution in Iran: Hormozgan (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Sinophorus brunnifemur* Sanborne, 1984**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Sinophorus xanthostomus* (Gravenhorst, 1829)**

Distribution in Iran: Sistan and Baluchestan (Barahoei et al., 2013a).

General distribution: Eastern Palaearctic, Western Palaearctic, Ethiopian (Kolarov, 1995, 2007; Yu et al., 2005).

***Venturia canescens* (Gravenhorst, 1829)**

Distribution in Iran: Guilan, Kerman, Khorasan-e-Razavi, Fars (Kolarov and Ghahari, 2005).

General distribution: Cosmopolitan (Yu et al., 2005).

Subfamily Collyriinae Cushman, 1924

***Collyria coxator* (Villers, 1789) †**

Distribution in Iran: Kerman (Kolarov and Ghahari, 2005).

New Material: 1♀ on *Medicago sativa* L., Khorasan-e-Razavi, Ghochan, 26.IV.2011, leg. Kh. Fathabadi; 1♀ on *Medicago sativa* L., Khorasan-e-Razavi, Mashhad, 27.II.2011, leg. Kh. Fathabadi; 7♀ 10♂ on *Medicago sativa* L., Khorasan-e-Razavi, Sabzevar, 28.V.2011, leg. Kh. Fathabadi; 11♀ 2♂ on *Triticum aestivum* L., Khorasan-e-Razavi, Sabzevar, 17.VI.2011, leg. Kh. Fathabadi; 1♀ 3♂ in Orchard, Khorasan-e-Razavi, Torghabe, 26.IV.2011, leg. Kh. Fathabadi.

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Subfamily Cremastinae Förster, 1869

***Cremastus gigas* Heinrich, 1953**

Distribution in Iran: Fars (Masnadi and Jussila, 2009).

General distribution: Western Palaearctic (Yu et al., 2005).

Host record: *Lymantria dispar* (Linnaeus, 1758) (Lep.: Lymantriidae) (Masnadi and Jussila, 2009).

***Cremastus pungens* Gravenhorst, 1829**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011d), Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Eucremastus collaris* Narolsky, 1990**

Distribution in Iran: Ardabil (Ghahari and Jussila, 2011 d), Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Pharetrophora iranica* Narolsky & Schönitzer, 2003**

Distribution in Iran: Yazd (Narolsky and Schönitzer, 2003).

General distribution: Eastern Palaearctic (Yu et al., 2005).

Host record: *Proceratia caesariella* Rog. (Lep.: Pyralidae) (Narolsky and Schönitzer, 2003).

***Pristomerus armatus* (Lucas, 1849)**

Distribution in Iran: Golestan (Ghahari and Jussila, 2011d), Mazandaran (Ghahari and Jussila, 2010a, 2011a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Pristomerus horribilis* Narolsky, 1987**

Distribution in Iran: Golestan (Ghahari and Jussila, 2010b), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011 b), Mazandaran (Ghahari and Schwarz, 2011).

General distribution: Western Palaearctic (Yu et al., 2005).

***Pristomerus luridus* Kokujev, 1905**

Distribution in Iran: Khorasan-e-Razavi (Masnadi and Jussila, 2009).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Pristomerus mesopotamicus* Horstmann, 1990**

Distribution in Iran: Khuzestan (Ghahari and Jussila, 2011d), Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011).

General distribution: Western Palaearctic (Yu et al., 2005).

***Pristomerus vulnerator* (Panzer, 1799)**

Distribution in Iran: Azerbaijan-e-Gharbi (Masnadi and Jussila, 2009).

General distribution: Cosmopolitan (Kolarov, 1996; Yu et al., 2005).

***Temelucha arenosa* Szépligeti, 1899**

Distribution in Iran: Tehran (Ghahari and Jussila, 2010 a), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c).

General distribution: Western Palaearctic (Yu et al., 2005).

***Temelucha caudata* (Szépligeti, 1899)**

Distribution in Iran: Kordestan (Ghahari and Jussila, 2011d), Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011).

General distribution: Western Palaearctic (Yu et al., 2005).

***Temelucha decorata* (Gravenhorst, 1829)**

Distribution in Iran: Golestan (Ghahari and Jussila, 2010 b), Qom, Markazi (Kishani et al., 2010), Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011), Khorasan-e-Razavi (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Temelucha discoidalis* (Szépligeti, 1899)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2010a, 2011a), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Temelucha dorsonigra* (Hedwig, 1957)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Temelucha interruptor* (Gravenhorst, 1829)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2011 a; Ghahari and Schwarz, 2011), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Temelucha lucida* (Szépligeti, 1899)**

Distribution in Iran: Fars (Ghahari and Jussila, 2010a), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011 b, c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Temelucha observator* Aubert, 1966**

Distribution in Iran: Mazandaran (Ghahari et al., 2010a).

General distribution: Eastern Palaearctic, Western Palaearctic (Kolarov, 1996; Yu et al., 2005), Ethiopian (Kolarov, 1996).

***Temelucha persicator* Horstmann and Yu, 1999**

Distribution in Iran: Guilan (Masnadi and Jussila, 2009).

General distribution: Eastern Palaearctic, Ethiopian (Yu et al., 2005).

***Temelucha schoenobia* (Thomson, 1890)**

Distribution in Iran: Golestan (Masnadi and Jussila, 2009).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Temelucha signata* (Holmgren, 1860)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011), Kordestan (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Temelucha tricolorata* Sedivy, 1968**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2010a, 2011a), Khorasan-e-Razavi (Ghahari and Jussila, 2011 d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Trathala hierochontica* (Schmiedeknecht, 1910)**

Distribution in Iran: Mazandaran (Masnadi and Jussila, 2009).

General distribution: Western Palaearctic (Yu et al., 2005; Kolarov and Yurtcan, 2009) and Ethiopian (Kolarov and Yurtcan, 2009).

Subfamily Cryptinae Kirby, 1837

Tribe Cryptini Kirby, 1837

***Acroricnus seductor elegans* (Mocsáry, 1883)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2005), Guilan (Kolarov and Ghahari, 2007), Golestan (Masnadi and Jussila, 2008 a), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011 b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Acroricnus persicus* Heinrich, 1937 (Kolarov and Ghahari, 2005, 2007), which is a synonym of *Acroricnus seductor elegans*.

***Acroricnus stylator* (Thunberg, 1822)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Agrothereutes abbreviatus* (Fabricius, 1794)**

Distribution in Iran: Semnan (Ghahari, 2012).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Agrothereutes adustus* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Razmi et al., 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Pieris brassicae* (Linnaeus, 1758) (Lep.: Pieridae) (Razmi et al., 2011).

***Agrothereutes fumipennis* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Sharhi (Ghahari et al., 2010b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005; Çoruh and Özbek, 2005; Kolarov and Bordera, 2007a; Gürbüz and Kolarov, 2008).

Remark: This species has previously been recorded under subfamily Pimplinae in Iran (Ghahari et al., 2010b).

***Agrothereutes hospes* (Tschek, 1871)**

Distribution in Iran: Semnan (Naderian et al., 2012).

General distribution: Western Palaearctic (Yu et al., 2005).

***Agrothereutes parvulus* (Habermehl, 1926)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Aritranis claviventris* (Kriechbaumer, 1894)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari et al., 2010c).

General distribution: Western Palaearctic (Yu et al., 2005).

***Aritranis director* (Thunberg, 1824)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari et al., 2010c).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Aritranis nigrifemur* (Szepliget, 1916)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari et al., 2010c).

General distribution: Western Palaearctic (Yu et al., 2005).

***Aritranis occisor* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Buathra laborator* (Thunberg, 1824)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2007), Ardabil (Masnadi and Jussila 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005; Gürbüz and Kolarov, 2008).

***Buathra tarsoleucos* (Schrank, 1781)**

Distribution in Iran: Tehran (Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Cryptus diana* Gravenhorst, 1829**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Cryptus inculcator* (Linnaeus, 1758) †**

Distribution in Iran: Alborz (Masnadi and Jussila, 2008a), Sistan and Baluchestan (Firuzi Jahantighi et al., 2012; Barahoei et al., 2013a), Yazd (Zarepour et al., 2008).

New Material: 2♂ on *Medicago sativa* L., Khorasan-e-Razavi, Sabzevar, 06.IV.2011, leg. Kh. Fathabadi.

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Cryptus inquisitor* Tschek, 1871**

Distribution in Iran: Azerbaijan-e-Gharbi (Karimpour and Razmi, 2010).

General distribution: Western Palaearctic (Yu et al., 2005).

Host record: *Kokujenia ectrapela* Zirnigiebl, 1949 (Hym.: Argidae) (Karimpour and Razmi, 2010).

***Cryptus macellus* Tschek, 1871**

Distribution in Iran: Semnan (Ghahari, 2012).

General distribution: Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Cryptus arenicola* Thomson, 1873 (Ghahari, 2012), which is a synonym of *Cryptus macellus*.

***Cryptus medius* Szépligeti, 1916**

Distribution in Iran: Fars (Masnadi, 2005; Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Cryptus nigropictus* Cameron, 1905**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2007).

General distribution: Ethiopian (Yu et al., 2005).

Host records: *Ascotis reciprocaria* (Walker, 1860) (Lepidoptera: Geometridae) (Yu et al., 2005), and *Boarmia* sp. (Lep.: Geometridae) (Kolarov and Ghahari, 2007).

Remark: This is an Ethiopian species (Yu et al., 2005), therefore this record is based on a misidentification.

***Cryptus spinosus* Gravenhorst, 1829**

Distribution in Iran: Fars (Masnadi, 2005; Masnadi and Jussila, 2008a), Yazd (Zarepour et al., 2008, 2009).

General distribution: Western Palaearctic (Yu et al., 2005; Gürbüz and Kolarov, 2008).

***Cryptus spiralis* (Geoffroy, 1785)**

Distribution in Iran: Semnan (Naderian et al., 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Cryptus subspinosus* Smits van Burgst, 1913**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Cryptus triguttatus* Gravenhorst, 1829**

Distribution in Iran: Azerbaijan-e-Sharghi, Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Cryptus tuberculatus* Gravenhorst, 1829**

Distribution in Iran: Fars (Masnadi 2005; Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Cryptus viduatorius* Fabricious, 1804 †**

Distribution in Iran: Guilan, Azerbaijan-e-Gharbi (Masnadi and Jussila, 2008a), Yazd (Zarepour et al., 2009).

New Material: 1♂ in Orchard, Khorasan-e-Razavi, Torghabe, 01.VI.2011, leg. Kh. Fathabadi.

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Gambrus carnifex* (Gravenhorst, 1829)**

Distribution in Iran: Golestan (Ghahari and Jussila, 2010b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Gambrus incubitor* (Linnaeus, 1758)**

Distribution in Iran: Golestan (Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic, Ethiopian (Yu et al., 2005; Gürbüz and Kolarov, 2008).

***Hidryta sordida* (Tschek, 1871)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Hoplocryptus bellosus* (Curtis, 1837)**

Distribution in Iran: Fars (Masnadi, 2005; Masnadi and Jussila, 2008a).

General distribution: Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Aritranis bellosa* (Curtis, 1837) (Masnadi, 2005), which is a synonym of *Hoplocryptus bellosus*.

***Hoplocryptus confector* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari et al., 2010c).

General distribution: Western Palaearctic (Yu et al., 2005).

***Hoplocryptus coxator* (Tschek, 1871)**

Distribution in Iran: Not exactly defined (Schwarz, 2007).

General distribution: Western Palaearctic (Yu et al., 2005).

***Hoplocryptus femoralis* (Gravenhorst, 1829)**

Distribution in Iran: Not exactly defined (Schwarz, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Hoplocryptus heliophilus* (Tschek, 1871)**

Distribution in Iran: Sistan and Baluchestan (Barahoei et al., 2013a).

General distribution: Eastern Palaearctic, Western Palaearctic (Kolarov, 2007; Schwarz, 2007; Yu et al., 2005).

***Hoplocryptus murarius* (Borner, 1782)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Idiolispa analis* (Gravenhorst, 1807)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Ischnus agitator* (Olivier, 1792)**

Distribution in Iran: Mazandaran (Ghahari et al., 2010a), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005; Gürbüz and Kolarov, 2008).

***Ischnus alternator* (Gravenhorst, 1829)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Listrognathus furax* (Tschek, 1871)**

Distribution in Iran: Alborz (Schwarz, 1999; Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005; Gürbüz and Kolarov, 2008).

***Listrognathus mactator* (Thunberg, 1822)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2005; Klopstein and Baur, 2011), Alborz (Schwarz, 1999; Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Listrognathus orientalis* Horstmann, 1989**

Distribution in Iran: Not exactly defined (Schwarz, 1999; Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Meringopus calescens* (Gravenhorst, 1829)**

Distribution in Iran: Fars (van Rossem, 1969), Tehran (Schwarz, 2005), Mazandaran (Kolarov and Ghahari, 2007), Semnan (Masnadi and Jussila, 2008a), Yazd (Zarepour et al., 2008, 2009).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Çoruh and Özbek, 2005; Yu et al., 2005).

Host record: *Saturnia pyri* (Denis and Schiffermüller, 1775) (Lep.: Saturnidae) (Masnadi and Jussila, 2008a).

***Meringopus cyanator* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Sharghi (Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Meringopus naitor* Aubert, 1986**

Distribution in Iran: Fars (Schwarz, 2005), Yazd (Kolarov and Ghahari, 2005; Klopstein and Baur, 2011).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Meringopus palmipes* (Kokujev, 1905)**

Distribution in Iran: Tehran (Schwarz, 2005), Azerbaijan-e-Sharghi (Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Meringopus pseudonymus* (Tschek, 1872)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari et al., 2010c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Meringopus sogdianus* (Maljavin, 1968)**

Distribution in Iran: Kerman (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Meringopus titillator* (Linnaeus, 1758)**

Distribution in Iran: Fars (van Rossem, 1969), Alborz (Schwarz, 2005), Mazandaran (Kolarov and Ghahari, 2007), Tehran (Schwarz, 2005; Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Meringopus turanus* (Habermehl, 1918)**

Distribution in Iran: Ardabil, Guilan, Azerbaijan-e-Sharghi (Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Mesostenus grammicus* Gravenhorst, 1829**

Distribution in Iran: Fars (Masnadi, 2005; Masnadi and Jussila, 2008a)

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005; Gürbüz and Kolarov, 2008).

***Mesostenus transfuga* Gravenhorst, 1829**

Distribution in Iran: Fars, Guilan, Isfahan, Khorasan-e-Razavi, Mazandaran (Kolarov and Ghahari, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005; Gürbüz and Kolarov, 2008).

***Myrmeleonostenus italicus* (Gravenhorst, 1829)**

Distribution in Iran: Fars (Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005; Gürbüz and Kolarov, 2008).

***Pycnocryptodes reticulator* Aubert, 1971**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Schreineria cingulipes* (Förster, 1888)**

Distribution in Iran: Khorasan-e-Razavi (Kolarov and Ghahari, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Schreineria populnea* (Giraud, 1872)**

Distribution in Iran: Hamadan (Kolarov and Ghahari, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Sphecofaga vesparum* (Curtis, 1828)**

Distribution in Iran: Fars (Masnadi, 2005; Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005; Kolarov and Bordera, 2007a).

***Stenarella domator* (Poda, 1761)**

Distribution in Iran: Hamadan (Kolarov and Ghahari, 2007).

General distribution: Western Palaearctic (Yu et al., 2005).

***Synechocryptus levaillantii* (Lucas, 1849)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2005), Yazd (Kolarov and Ghahari, 2005; Klopstein and Baur, 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species occurs in northwestern Africa (Schwarz, 1997), and was sometimes confused with *Synechocryptus persicator*.

***Synechocryptus persicator* Aubert, 1986**

Distribution in Iran: Fars (Schwarz, 1997), Mazandaran (Kolarov and Ghahari, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Synechocryptus sanguinolentus* (Gravenhorst, 1829)**

Distribution in Iran: Fars (Masnadi, 2005), Isfahan (Kolarov and Ghahari, 2007), Hormozgan, Khuzestan (Masnadi and Jussila, 2008a), Semnan (Ghahari, 2012).

General distribution: Western Palaearctic, Ethiopian (Yu et al., 2005).

Remark: This species has previously been recorded as *Synechocryptus bovei* (Brullé, 1846) (Masnadi, 2005; Masnadi and Jussila, 2008a), which is a synonym of *Synechocryptus sanguinolentus*.

***Trychosis atripes* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari et al., 2010c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Trychosis legator* (Thunberg, 1824) †**

Distribution in Iran: Sistan and Baluchestan, Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2007), Fars (Masnadi, 2005; Masnadi and Jussila, 2008a).

New Material: 2♂ on *Triticum aestivum* L., Sistan and Baluchestan, Khash, 21.IV.2011, leg. H. Barahoei.

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005), Ethiopian (Gürbüz and Kolarov, 2008).

***Trychosis pauper* (Tschek, 1871)**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari 2007), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005; Gürbüz and Kolarov, 2008).

***Trychosis priesneri* Rossem, 1971 ***

Material examined: 1♂ on *Triticum aestivum* L., Khorasan-e-Razavi, Sabzevar, 05.V.2011, leg. Kh. Fathabadi.

General distribution: Western Palaearctic (Yu et al., 2005).

***Trychosis tristator* (Tschek, 1871)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Xylophrurus nigricornis* (Thomson, 1885)**

Distribution in Iran: Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2007).

General distribution: Western Palaearctic (Yu et al., 2005).

Tribe Phygadeuontini Förster, 1869

***Aclastus micator* (Gravenhorst, 1807)**

Distribution in Iran: Khorasan-e-Shomali (Kolarov and Ghahari, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005; Kolarov and Bordera, 2007b).

Aclastus solutus* (Thomson, 1884)*Distribution in Iran:** Golestan (Ghahari and Jussila, 2010b).**General distribution:** Western Palaearctic (Yu et al., 2005).***Atractodes* sp.****Distribution in Iran:** Sistan and Baluchestan (Barahoei et al., 2013a).**General distribution:** Eastern Palaearctic, Western Palaearctic, Ethiopian, Nearctic (Yu et al., 2005).***Bathythrix maculata* (Hellén, 1957)****Distribution in Iran:** Kerman (Kolarov and Ghahari, 2007).**General distribution:** Western Palaearctic (Yu et al., 2005).***Bathythrix pellucidator* (Gravenhorst, 1829)****Distribution in Iran:** Not exactly defined (Bordera and Selfa, 1992; Kolarov and Ghahari, 2005).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Blapsidotes vicinus* (Gravenhorst, 1829)****Distribution in Iran:** Azerbaijan-e-Gharbi (Razmi et al., 2011).**General distribution:** Western Palaearctic (Yu et al., 2005).**Host record:** *Pieris brassicae* (Linnaeus, 1758) (Lep.: Pieridae) (Razmi et al., 2011).***Chirotica ruficeps* Horstmann, 1983****Distribution in Iran:** Fars (Kolarov and Ghahari, 2005).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Chirotica terebrator* Horstmann, 1983****Distribution in Iran:** Fars (Kolarov and Ghahari, 2005).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Dichrogaster aestivalis* (Gravenhorst, 1829)****Distribution in Iran:** Khorasan-e-Razavi (Ghahari and Jussila, 2010a), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c).**General distribution:** Eastern Palaearctic (Yu et al., 2005).***Dichrogaster longicaudata* (Thomson, 1884) †****Distribution in Iran:** Fars, Mazandaran (Kolarov and Ghahari, 2007).**New Material:** 2♂ Malayse Trape, Sistan and Baluchestan, Zabol, 16.III.2011, Leg.: M. Poodineh.**General distribution:** Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005), Ethiopian (Kolarov and Bordera, 2007b).***Dichrogaster saharator* (Aubert, 1964)****Distribution in Iran:** Ardabil, Fars, Khuzestan, Mazandaran, Tehran, Zanjan (Kolarov and Ghahari, 2007), Sistan and Baluchestan (Kolarov and Ghahari, 2007, Firuzi Jahantighi et al., 2012; Barahoei et al., 2013a).**General distribution:** Western Palaearctic (Yu et al., 2005), Ethiopian (Kolarov and Bordera, 2007b).***Endasys talitzkii* (Telenga, 1961)****Distribution in Iran:** Hamadan (Masnadi and Jussila, 2008a).**General distribution:** Western Palaearctic (Yu et al., 2005).***Gelis areator* (Panzer, 1804)****Distribution in Iran:** Not exactly defined (Haeselbarth, 1985).**General distribution:** Eastern Palaearctic, Western Palaearctic, Ethiopian (Yu et al., 2005).***Gelis caudator* Horstmann, 1986****Distribution in Iran:** Qazvin (Zarnegar et al., 2009).**General distribution:** Western Palaearctic (Yu et al., 2005).**Host record:** *Argyresthia* sp. (Lep.: Yponomeutidae) (Zarnegar et al., 2009).

***Gelis exareolatus* (Förster, 1850)**

Distribution in Iran: Not exactly defined (Schwarz, 1998; Kolarov and Ghahari, 2005), Kerman (van Achterberg and Mehrnejad, 2002).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Gelis ferruginosus* (Strickland, 1912)**

Distribution in Iran: Azerbaijan-e-Sharghi (Ghahari et al., 2010b).

General distribution: Nearctic (Yu et al., 2005).

Remark 1: This species has previously been recorded as *Gelis insolens* (Brues, 1910) under subfamily Pimplinae (Ghahari et al., 2010b)

Remark 2: This is a North American species (Yu et al., 2005), therefore this record is based on a misidentification.

***Gelis fidens* Schwarz, 2009**

Distribution in Iran: Sistan and Baluchestan (Barahoei et al., 2013a).

General distribution: Eastern Palaearctic (Schwarz, 2009).

***Gelis kermaniae* Schwarz, 2009**

Distribution in Iran: Kerman (Yu et al., 2012).

General distribution: Eastern Palaearctic (Yu et al., 2012).

***Gelis liparae* (Giraud, 1863)**

Distribution in Iran: Kerman (van Achterberg and Mehrnejad, 2002).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Gelis proximus* (Förster, 1850)**

Distribution in Iran: Golestan (Ghahari and Jussila, 2010a), Ardabil (Ghahari and Jussila, 2011c).

General distribution: Western Palaearctic (Yu et al. 2005).

Remark: This species has previously been recorded as *Gelis rufipes* (Bridgman, 1883) (Ghahari and Jussila, 2010a, 2011c), which is a synonym of *Gelis proximus*.

***Glyphicnemis vagabunda* (Gravenhorst, 1829)**

Distribution in Iran: Ardabil (Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005; Kolarov and Bordera, 2007a).

***Grasseiteles ciliator* Aubert, 1965**

Distribution in Iran: Alborz (Kolarov and Ghahari, 2007).

General distribution: Western Palaearctic (Yu et al., 2005).

***Lysibia nana* (Gravenhorst, 1829)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005; Kolarov and Bordera, 2007a).

***Mesoleptus incessor* (Haliday, 1838)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2007), Semnan (Ghahari, 2012), Mazandaran (Ghahari and Schwarz, 2011), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b, d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: larva of Noctuidae (Lepidoptera) (Kolarov and Ghahari, 2007).

Remark: This species has previously been recorded as *Mesoleptus scrutator* (Haliday, 1838) (Kolarov and Ghahari, 2007; Ghahari and Jussila, 2011b, d), which is synonym of *Mesoleptus incessor*.

***Phygadeuon fumator* Gravenhorst, 1829**

Distribution in Iran: Azerbaijan-e-Sharghi, Tehran (Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Host records: *Musca domestica* Linnaeus, 1758 (Dip.: Muscidae), and *Stomoxys calcitrans* (Linnaeus, 1758) (Dip.: Muscidae) (Masnadi and Jussila, 2008a).

***Phygadeuon trichops* Thomson, 1884**

Distribution in Iran: Fars (Masnadi, 2005; Masnadi and Jussila, 2008a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Stilpnus gagates* (Gravenhorst, 1807)**

Distribution in Iran: Sistan and Baluchestan (Firuzi Jahantighi et al., 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Jussila, 1987, 1999; Kazmierczak, 2004; Yu et al., 2005), Neotropical, Nearctic (Yu et al., 2005).

***Xenolytus bitinctus* (Gmelin, 1790)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2007).

General distribution: Cosmopolitan (Yu et al., 2005).

Tribe Hemigasterini Ashmead, 1900***Pleolophus larvatus* (Gravenhorst, 1829)**

Distribution in Iran: Ardabil (Masnadi and Jussila, 2008a).

General distribution: Western Palaearctic (Yu et al., 2005).

Subfamily Ctenopelmatinae Förster, 1869**Tribe Mesoleini Thomson 1883*****Barytarbes superbus* Schmiedeknecht, 1914**

Distribution in Iran: Golestan (Ghahari and Jussila, 2011c).

General distribution: Western Palaearctic (Yu et al., 2005).

***Mesoleius aulicus* (Gravenhorst, 1829)**

Distribution in Iran: Tehran (Masnadi and Jussila, 2009).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Lagarotis debitor* (Thunberg, 1824)**

Distribution in Iran: Not exactly defined (Aubert, 2000).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Tribe Pionini Smith & Shenefelt, 1955***Pion fortipes* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Pionpherta superba* (Schmiedeknecht, 1900)**

Distribution in Iran: Not exactly defined (Aubert, 2000).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Tribe Perilissini Thomson, 1883***Absyrtus vernalis* Bauer, 1961**

Distribution in Iran: Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c).

General distribution: Western Palaearctic (Yu et al., 2005).

***Lathrolestes ensator* (Brauns, 1898)**

Distribution in Iran: Golestan (Ghahari and Jussila, 2010b).

General distribution: Western Palaearctic, Nearctic (Yu et al., 2005).

***Priopoda apicaria* (Geoffroy, 1785)**

Distribution in Iran: Tehran (Masnadi and Jussila, 2009).

General distribution: Western Palaearctic (Yu et al., 2005).

Tribe Scolobatini Schmiedeknecht, 1911***Scolobates auriculatus* (Fabricius, 1804)**

Distribution in Iran: Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c)

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Subfamily Cyloceeriinae Wahl 1990

***Cylloceria melancholica* (Gravenhorst, 1820)**

Distribution in Iran: Guilan (Ghahari et al., 2010a).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Subfamily Diplazontinae Viereck, 1918

***Diplazon laetatorius* (Fabricius, 1781)**

Distribution in Iran: Khorasan-e-Shomali, Azerbaijan-e-Gharbi (Malkeshi and Kheiabani, 1997), Mazandaran, Kerman (Kolarov and Ghahari, 2005), Chaharmahal-o-Bakhtiari (Nourbakhsh et al., 2008), Yazd (Zarepour et al., 2008, 2009), Sistan and Baluchestan (Barahoei et al., 2013a).

General distribution: Worldwide (Yu et al., 2005).

Host record: *Scaeva albomaculata* (Macquart, 1842) (Dip.: Syrphidae) (Nourbakhsh et al., 2008; Barahoei et al., 2013a).

***Diplazon orientalis* (Cameron, 1905)**

Distribution in Iran: Fars (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Diplazon tetragonus* (Thunberg, 1824)**

Distribution in Iran: Not exactly defined (Manukyan, 2007).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Enizemum ornatum* (Gravenhorst, 1829)**

Distribution in Iran: Sistan and Baluchestan (Barahoei et al., 2013a).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005); Worldwide (Kolarov, 1995, 2007).

Host record: *Scaeva albomaculata* (Macquart, 1842) (Dip.: Syrphidae) (Barahoei et al., 2013a).

***Promethes sulcator* (Gravenhorst, 1829)**

Distribution in Iran: Sistan and Baluchestan (Barahoei et al., 2013a).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Sussaba erigator* (Fabricius, 1793)**

Distribution in Iran: Tehran (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Woldstedtius biguttatus* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Sharghi, Kohghiloye - Boyrahmad (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Subfamily Hybrizontinae Blanchard, 1845

Tribe Hybrizontini Blanchard, 1845

***Hybrizon buccatus* (Brebisson, 1825)**

Distribution in Iran: Alborz, Guilan (Mohammadi et al., 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Subfamily Ichneumoninae Latreille, 1802

Tribe Eurylabini Heinrich, 1934

***Eurylabus torvus* Wesmael, 1845**

Distribution in Iran: Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Eurylabus tristis* (Gravenhorst, 1829)*Distribution in Iran:** Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2008).**General distribution:** Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).**Tribe Heresiarchini Ashmead, 1900*****Amblyjoppa fuscipennis* (Wesmael, 1845)****Distribution in Iran:** Azerbaijan-e-Sharghi (Ghahari and Jussila, 2010c)**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Callajoppa caspica* (Heinrich, 1929)****Distribution in Iran:** Fars (Kolarov and Ghahari, 2005).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Coelichneumon afghanicus* Heinrich, 1957****Distribution in Iran:** Mazandaran (Kolarov and Ghahari, 2008).**General distribution:** Eastern Palaearctic (Yu et al., 2005).***Coelichneumon biannulatus* (Gravenhorst, 1820)****Distribution in Iran:** Ardabil (Kolarov and Ghahari 2008), Mazandaran (Ghahari and Jussila, 2010c).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).**Remark:** This species has previously been recorded as *Coelichneumon fasciatus* (Gmelin, 1790) (Ghahari and Jussila 2010c), which is a synonym of *Coelichneumon biannulatus*.***Coelichneumon biguttulatus* (Kriechbaumer, 1875)****Distribution in Iran:** Guilan, Mazandaran (Kolarov and Ghahari, 2008).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Coelichneumon comitator* (Linnaeus, 1758)****Distribution in Iran:** Golestan (Kolarov and Ghahari 2008), Tehran (Masnadi and Jussila, 2008b).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Coelichneumon deliratorius* (Linnaeus, 1758)****Distribution in Iran:** Guilan (Kolarov and Ghahari, 2005, 2008; Masnadi and Jussila, 2008b), Golestan, Qazvin (Kolarov and Ghahari, 2008).**General distribution:** Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).***Coelichneumon desinatorius* (Thunberg, 1824)****Distribution in Iran:** Ghazvin, Golestan, Guilan (Kolarov and Ghahari, 2008).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Coelichneumon dorsosignatus* (Berthoumieu and Eversmann, 1894)****Distribution in Iran:** Mazandaran (Kolarov and Ghahari, 2008).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Coelichneumon erythromerus* (Rudow, 1888)****Distribution in Iran:** Ardabil (Ghahari et al., 2010b).**General distribution:** Western Palaearctic (Yu et al., 2005).**Remark:** This species has previously been recorded as *Amblyteles erythronotus* Rondani, 1877 (Ghahari et al., 2010b), which is a synonym of *Coelichneumon erythromerus*.***Coelichneumon falsificus* (Wesmael, 1845)****Distribution in Iran:** Khuzestan (Kolarov and Ghahari, 2008).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Coelichneumon leucocerus* (Gravenhorst, 1820)****Distribution in Iran:** Hamadan (Kolarov and Ghahari, 2008), Azerbaijan-e-Sharghi, Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011c).**General distribution:** Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).***Coelichneumon nigerrimus* (Stephens, 1835)**

Distribution in Iran: Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2005, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Coelichneumon nigratus* (Berthoumieu, 1894)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Coelichneumon nudicoxator* Aubert, 1966**

Distribution in Iran: Semnan (Ghahari, 2012).

General distribution: Western Palaearctic (Yu et al., 2005).

***Coelichneumon orbitator* (Thunberg, 1824)**

Distribution in Iran: Chaharmahal-o-Bakhtiari, Isfahan, Markazi (Kolarov and Ghahari, 2008), Fars, Mazandaran (Masnadi and Sadeghi, 2006; Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Coelichneumon microstictus* (Gravenhorst, 1829) (Masnadi and Jussila, 2008b), which is a synonym of *Coelichneumon orbitator*.

***Coelichneumon problematicus* Riedel, Coruh & Özbek, 2010**

Distribution in Iran: Tehran (Riedel et al., 2010).

General distribution: Eastern Palaearctic (Riedel et al., 2010).

***Coelichneumon singularis* (Berthoumieu, 1892) †**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2008, Masnadi and Jussila, 2008b), Fars (Masnadi and Sadeghi, 2006; Masnadi and Jussila, 2008b), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c).

New Material: 1♂ on *Medicago sativa* L., Sistan and Baluchestan, Koureen, 30.IV.2010, Leg.: M. Sorayya.

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Coelichneumon validus* (Berthoumieu, 1894)**

Distribution in Iran: Tehran (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Lymantrichneumon disparis* (Poda, 1761)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2005, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1994, 1996; Yu et al., 2005).

***Protichneumon fusorius* (Linnaeus, 1761)**

Distribution in Iran: Mazandaran (Ghahari et al., 2010a).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Protichneumon persicus* Morley, 1915**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Protichneumon pisorius* (Linnaeus, 1758)**

Distribution in Iran: Khorasan-e-Razavi (Ghahari and Jussila, 2011d), Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Protichneumon similatorius* (Fabricius, 1798)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Syspasis rufina* (Gravenhorst, 1820)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011e).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Syspasis scutellator* (Gravenhorst, 1829)**

Distribution in Iran: Mazandaran, Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2008), Tehran (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1994; Yu et al., 2005), Ethiopian (Selfa, 1994).

Tribe Ichneumonini Latreille, 1802

***Amblyteles armatorius* Förster, 1771**

Distribution in Iran: Guilan, Isfahan, Yazd (Kolarov and Ghahari, 2005, 2008), Azerbaijan-e-Sharghi (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Barichneumon albicaudatus* (Fonscolombe, 1847)**

Distribution in Iran: Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Barichneumon bilunulatus* (Gravenhorst, 1829)**

Distribution in Iran: Khorasan-e-Shomali (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005), Ethiopian (Selfa, 1996).

***Barichneumon peregrinator* (Linnaeus, 1758)**

Distribution in Iran: Ilam, Kermanshah (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005), Ethiopian (Selfa, 1996).

***Barichneumon quadriguttatus* (Gravenhorst, 1829)**

Distribution in Iran: Kordestan (Kolarov and Ghahari, 2008), Golestan (Ghahari and Jussila, 2010b), Ardabil (Ghahari and Jussila, 2010c), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Diadromus quadriguttatus* Gravenhorst, 1829 (Ghahari and Jussila, 2011c), which is a synonym of *Barichneumon quadriguttatus*.

***Chasmias masanderanicus* (Heinrich, 1929)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Cratichneumon coruscator* (Linnaeus, 1758)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2005, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Cratichneumon culex* (Müller, 1776)**

Distribution in Iran: Isfahan (Kolarov and Ghahari, 2008; Ghahari and Jussila, 2011e), Guilan, Golestan, Mazandaran, Khorasan-e-Shomali, Semnan, Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Cratichneumon fabricator* (Fabricius, 1793) (Ghahari and Jussila, 2011e), which is a synonym of *Cratichneumon culex*.

***Cratichneumon rufifrons* (Gravenhorst, 1829)**

Distribution in Iran: Khorasan-e-Razavi (Kolarov and Ghahari, 2008), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1994; Yu et al., 2005).

***Cratichneumon semirufus* (Gravenhorst, 1820)**

Distribution in Iran: Kerman (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Cratichneumon sexarmillatus* (Kriechbaumer, 1891)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Cratichneumon albiscuta* (Thomson, 1893) (Kolarov and Ghahari, 2008), which is a synonym of *Cratichneumon sexarmillatus*.

***Cratichneumon stenocarus* (Thomson, 1887)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Cratichneumon versator* (Thunberg, 1824)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Crytea sanguinator* (Rossi, 1794)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2010c), Semnan (Naderian et al., 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ctenichneumon castigator* (Fabricius, 1793)**

Distribution in Iran: Guilan, Golestan, (Kolarov and Ghahari, 2005, 2008), Mazandaran (Kolarov and Ghahari, 2005, 2008; Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic, Neotropical (Yu et al., 2005).

***Ctenichneumon devylder* (Holmgren, 1871)**

Distribution in Iran: Ghom (Masnadi and Jussila, 2008b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Ctenichneumon divisorius* (Gravenhorst, 1820)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ctenichneumon edictorius* (Linnaeus, 1758)**

Distribution in Iran: Guilan, Golestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Ctenichneumon melanocastanus* (Gravenhorst, 1820)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Ctenichneumon panzeri* (Wesmael, 1845)**

Distribution in Iran: Golestan (Ghadiri et al., 2007; Kolarov and Ghahari, 2008), Sistan and Baluchestan (Kolarov and Ghahari, 2005), Mazandaran (Masnadi and Jussila, 2008b).

General distribution: Australasian, Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Helicoverpa armigera* (Hubner, 1805) (Lep.: Noctuidae) (Ghadiri et al., 2007).

***Ctenichneumon repentinus* (Gravenhorst, 1820)**

Distribution in Iran: Azerbaijan-e-Sharghi, Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diphyus amatorius* (Müller, 1776)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Semnan (Ghahari, 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Diphyus elbursicus* (Heinrich, 1929)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Diphyus luctatorius* (Linnaeus, 1758)**

Distribution in Iran: Khorasan-e-Shomali (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Diphyus mercatorius* (Fabricius, 1793)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Ardabil (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diphyus ochromelas* (Gmelin, 1790)**

Distribution in Iran: Ardabil (Kolarov and Ghahari, 2008; Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diphyus palliatorius* (Gravenhorst, 1829)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Diphyus pedatus* (Berthoumieu, 1895)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diphyus ponticus* Heinrich, 1978**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diphyus pseudocastigator* (Heinrich, 1929)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Diphyus quadripunctorius* (Müller, 1776)**

Distribution in Iran: Mazandaran, Semnan (Kolarov and Ghahari, 2005, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diphyus raptorius* (Linnaeus, 1758)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2008), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Diphyus septemguttatus* (Gravenhorst, 1829)**

Distribution in Iran: Guilan, Golestan and Mazandaran (Kolarov and Ghahari, 2005, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Eutanyacra glaucatoria* (Fabricius, 1793)**

Distribution in Iran: Khorasan-e-Razavi (Kolarov and Ghahari, 2008), Golestan (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005), Ethiopian (Selfa, 1996).

***Eutanyacra sanguinolenta* (Heinrich, 1929)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Eutanyacra picta* (Schrank, 1776)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Fars, Isfahan, Kerman (Kolarov and Ghahari, 2008), Golestan (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Exephanes occupator* (Gravenhorst, 1829)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Fileanta flavolaeta* (Berthoumieu, 1892)**

Distribution in Iran: Ghom (Masnadi and Jussila, 2008b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Hoplismenus bidentatus* (Gmelin, 1790)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Western Palaearctic (Yu et al., 2005).

***Hoplismenus bispinatorius* (Thunberg, 1824)**

Distribution in Iran: Guilan, Mazandaran, Zanjan (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Hoplismenus lamprolabus* Wesmael, 1857**

Distribution in Iran: Tehran, Lorestan (Masnadi and Jussila, 2008b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Ichneumon balteatus* Wesmael, 1845**

Distribution in Iran: Fars, Bushehr (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Ichneumon bucculentus* Wesmael, 1845**

Distribution in Iran: Golestan, Mazandaran, Semnan, Tehran (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Ichneumon caedator* Gravenhorst, 1829**

Distribution in Iran: Khorasan-e-Shomali (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon caloscelis* Wesmael, 1845**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2008), Yazd (Zarepour et al., 2008, 2009), Tehran (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon caucasicus* Meyer 1926**

Distribution in Iran: Guilan, Golestan, Mazandaran (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon cerinthius* Gravenhorst, 1820**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon cessator* Müller, 1776**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Golestan, Mazandaran (Kolarov and Ghahari, 2008), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Ichneumon curtulus* Kriechbaumer, 1882**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon eumerus* Wesmael, 1857**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon fulvicornis* Gravenhorst, 1829**

Distribution in Iran: Semnan (Ghahari, 2012).

General distribution: Western Palaearctic (Yu et al., 2005).

***Ichneumon gracilentus* Wesmael, 1845**

Distribution in Iran: Kordasatn (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon haemorrhoidicus crassigena* Kriechbaumer, 1887**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Khuzestan (Kolarov and Ghahari, 2008), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2010c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Ichneumon albicollis* Wesmael, 1857 (Ghahari and Jussila, 2010c), which is a synonym of *Ichneumon haemorrhoidicus crassigena*.

***Ichneumon ignobilis* Wesmael, 1855**

Distribution in Iran: Semnan (Ghahari, 2012).

General distribution: Western Palaearctic (Yu et al., 2005).

***Ichneumon insidiosus* Wesmael, 1845**

Distribution in Iran: Kermanshah, Khuzestan (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon iranicus* (Heinrich, 1929)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Ichneumon languidus* Wesmael, 1845**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon ligatorius* Thunberg, 1824**

Distribution in Iran: Khorasan-e-Razavi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon melanosomus* Wesmael, 1855**

Distribution in Iran: Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon minutorius* Desvignes, 1856**

Distribution in Iran: Khorasan-e-Razavi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Ichneumon molitorius* Cuvier, 1833**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Hamadan, Ilam (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon novemalbatus* Kriechbaumer, 1875**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Ichneumon persicus* Heinrich, 1929**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Ichneumon proletarius* Wesmael, 1848**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2008), Tehran (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Ichneumon ruficinctus* (Townes, Momi and Townes, 1965)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Ichneumon sarcitorius* Linnaeus, 1758**

Distribution in Iran: Golestan (Mojeni and Sedivy, 2001; Kolarov and Ghahari, 2005), Semnan (Kolarov and Ghahari, 2008), Azerbaijan-e-Sharghi (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

Host record: *Helicoverpa armigera* (Hubner, 1808) (Lep.: Noctuidae) (Mojeni and Sedivy, 2001).

***Ichneumon sexcinctus* Gravenhorst, 1829**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon tuberculipes* Wesmael, 1848**

Distribution in Iran: Chaharmahal-o-Bakhtiari, Isfahan, Fars, Khuzestan (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ichneumon vafer meridionalis* Heinrich, 1929**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Mazandaran, Golestan (Kolarov and Ghahari, 2008), Tehran (Kolarov and Ghahari, 2008; Riedel et al., 2010), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Ichneumon rogenhoferi* Kriechbaumer 1888 (Ghahari and Jussila, 2011b) which is a synonym of *Ichneumon vafer*.

***Ichneumon xanthorius* Forster, 1771**

Distribution in Iran: Ilam (Kolarov and Ghahari, 2008), Mazandaran (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Melanichneumon glaucatoriops* Heinrich, 1972**

Distribution in Iran: Khorasan-e-Shomali (Kolarov and Ghahari, 2008), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Obtusodonta carnifex* (Kriechbaumer, 1882)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Obtusodonta equitatoria* (Panzer, 1786)**

Distribution in Iran: Ardabil, Isfahan (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Obtusodonta erythrocephalus* (Meyer, 1927)**

Distribution in Iran: Fars (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Platylabops cornicula* (Wesmael, 1855)**

Distribution in Iran: Semnan (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Probolus concinnus* Wesmael, 1853**

Distribution in Iran: Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Probolus culpatorius* (Linnaeus, 1758)**

Distribution in Iran: Golestan (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Pseudoamblyteles homocerus* (Wesmael, 1854) †**

Distribution in Iran: Semnan (Ghahari, 2012).

New Material: 2♀, Swept on *Triticum aestivum* L., Khorasan-e-Razavi, Sabzevar, 01.VI.2011, leg. Kh. Fathabadi.

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Selfa, 1996; Yu et al., 2005).

***Spilichneumon occisorius* (Fabricius, 1793)**

Distribution in Iran: Khorasan-e-Jonubi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Spilichneumon tennecabunensis* (Heinrich, 1929)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Spilothyrates illuminatorius* (Gravenhorst, 1820)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2008), Guilan (Ghahari et al., 2010a), Semnan (Ghahari, 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Ichneumon illuminatorius* Gravenhorst, 1820 (Ghahari et al., 2010a), which is a synonym of *Spilothyrateles illuminatorius*.

***Spilothyrateles nuptatorius* (Fabricius, 1793)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2005).

General distribution: Western Palearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Anisobas australis* Habermehl, 1917 (Kolarov and Ghahari, 2005), which is a synonym of *Spilothyrateles nuptatorius*.

***Spilothyrateles punctus* (Gravenhorst, 1829)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Golestan (Kolarov and Ghahari, 2008).

General distribution: Eastern Palearctic, Western Palearctic (Yu et al., 2005).

***Stenichneumon cultuator* (Schrank, 1802)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2005), Sistan and Baluchestan (Kolarov and Ghahari, 2008).

General distribution: Eastern Palearctic, Western Palearctic, Nearctic (Yu et al., 2005).

***Stenobarichneumon basiglyptus* (Kriechbaumer, 1890)**

Distribution in Iran: Golestan, Khuzestan, Mazandaran, Yazd (Kolarov and Ghahari, 2008).

General distribution: Eastern Palearctic, Western Palearctic (Yu et al., 2005).

***Stenobarichneumon citator* (Thunberg, 1822)**

Distribution in Iran: Ardabil (Ghahari and Jussila, 2011d).

General distribution: Western Palearctic (Yu et al., 2005).

***Thyrateles camelinus* (Wesmael, 1845)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palearctic, Western Palearctic (Yu et al., 2005).

***Triptognathus atripes* (Gravenhorst, 1820)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palearctic, Western Palearctic (Yu et al., 2005).

***Triptognathus bolivari* (Berthoumieu, 1894)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Ardabil (Masnadi and Jussila, 2008b).

General distribution: Eastern Palearctic, Western Palearctic (Yu et al., 2005).

***Triptognathus fumigator* (Gravenhorst, 1820)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palearctic, Western Palearctic (Selfa, 1996; Yu et al., 2005).

***Triptognathus rubrocinctus* (Lucas, 1849)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palearctic, Western Palearctic (Yu et al., 2005).

***Triptognathus unifasciatus* (Spinola, 1843)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Tehran, Ghazvin (Masnadi and Jussila, 2008b).

General distribution: Eastern Palearctic, Western Palearctic (Yu et al., 2005).

***Virgichneumon albosignatus* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b), Khorasan-e-Razavi (Ghahari and Jussila, 2011d), Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011).

General distribution: Eastern Palearctic, Western Palearctic (Yu et al., 2005).

Host record: *Abraxas grassullariatus* (Linnaeus, 1758) (Lep.: Geometridae) (Ghahari and Jussila, 2011a).

***Virgichneumon callicerus* (Gravenhorst, 1820) †**

Distribution in Iran: Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2008), Ardabil (Masnadi and Jussila, 2008b).

New Material: 9♂ on *Medicago sativa* L., Sistan and Baluchestan, Khash, 23.X.2011, leg.: S. Sedighi.

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Virgichneumon digrammus* (Gravenhorst, 1820)**

Distribution in Iran: Golestan, Khorasan-e-Razavi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1994, 1996; Yu et al., 2005).

***Virgichneumon maculicauda* (Perkins, 1953)**

Distribution in Iran: Mazandaran, Semnan, Tehran (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Virgichneumon monostagon* (Gravenhorst, 1820)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2010c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Vulgichneumon bimaculatus* (Schrank, 1776)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Golestan, Mazandaran (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Vulgichneumon saturatorius* (Linnaeus, 1758)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Vulgichneumon suavis* (Gravenhorst, 1820)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005), Ardabil (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Tribe Listrodromini Förster, 1869

***Anisobas cingulatellus* Horstmann, 1997**

Distribution in Iran: Semnan (Kolarov and Ghahari, 2008), Tehran (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Selfa, 1996; Yu et al., 2005).

***Anisobas rebellis* Wesmael, 1845 ***

Material examined: 3♀, swept on *Medicago sativa* L., Sistsn and Baluchestan, Khash, 23.X.2011, leg.: S. Sedighi.

General Distribution: Western Palaearctic (Yu et al., 2005; Horstmann, 2007).

***Neotypus nobilitator* (Gravenhorst, 1807)**

Distribution in Iran: Semnan (Ghahari, 2012).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Tribe Phaeogenini Förster, 1869

***Aethecerus persicator* Aubert, 1970**

Distribution in Iran: Tehran (Kolarov and Ghahari, 2005; Klopffstein and Baur, 2011).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Centeterus confector* (Gravenhorst, 1829)**

Distribution in Iran: Ardabil (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

***Centeterus major* Wesmael, 1845**

Distribution in Iran: Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

***Centeterus rubiginosus* (Gmelin, 1790)**

Distribution in Iran: Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2008; Ghahari and Jussila, 2011e).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Centeterus opprimator* (Gravenhorst, 1820) (Ghahari and Jussila, 2011e), which is a synonym of *Centeterus rubiginosus*.

***Colpognathus celerator* (Gravenhorst, 1807)**

Distribution in Iran: Not exactly defined (Diller and Schönitzer, 2003), Guilan (Kolarov and Ghahari, 2005), Mazandaran (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

***Colpognathus divisus* Thomson, 1891**

Distribution in Iran: Fars (Diller and Schönitzer, 2003).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Diadromus collaris* (Gravenhorst, 1829)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2008; Ghahari and Jussila, 2011d), Sistan and Baluchestan (Firuzi Jahantighi et al., 2012; Barahoei et al., 2013a), Semnan (Ghahari, 2012).

General distribution: Australasian, Eastern Palaearctic, Western Palaearctic, Ethiopian, Neotropical (Selfa, 1996; Yu et al., 2005).

Remark: This species has previously been recorded as *Thyraeella collaris* (Gravenhorst, 1829) (Barahoei et al., 2013a), which is a synonym of *Diadromus collaris*.

***Diadromus subtilicornis* (Gravenhorst, 1829)**

Distribution in Iran: Kermanshah (Kolarov and Ghahari, 2008; Ghahari et al., 2012).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Aliyev, 1999; Yu et al., 2005).

Host record: *Plutella xylostella* (Linnaeus, 1758) (Lep.: Plutellidae) (Ghahari et al., 2012).

***Diadromus ustalatus* Holmgren, 1890**

Distribution in Iran: Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

***Diadromus varicolor* Wesmael, 1845**

Distribution in Iran: Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2008; Ghahari et al., 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

Host record: *Plutella xylostella* (Linnaeus, 1758) (Lep.: Plutellidae) (Ghahari et al., 2012).

***Dicaelotus inflexus* Thomson, 1891**

Distribution in Iran: Azerbaijan-e-Gharbi (Akbarzadeh, 2011).

General distribution: Western Palaearctic (Yu et al., 2005).

***Dirophanes invisor* (Thunberg, 1824)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2008), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011e).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Phaeogenes invisor* (Thunberg, 1824) (Ghahari and Jussila, 2011e), which is a synonym of *Dirophanes invisor*.

***Hemichneumon subdolos* Wesmael, 1857**

Distribution in Iran: Semnan (Kolarov and Ghahari, 2008), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b, d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Herpestomus arridens* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

***Herpestomus brunnicornis* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2008; Ghahari et al., 2012), Tehran (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

Host record: *Plutella xylostella* (Linnaeus, 1758) (Lep.: Plutellidae) (Ghahari et al., 2012).

***Heterischnus nigricollis* (Wesmael, 1845)**

Distribution in Iran: Kermanshah (Kolarov and Ghahari, 2008), Golestan (Ghahari and Jussila, 2011e).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Rhexidermus nigricollis* Wesmael, 1845 (Ghahari and Jussila, 2011e), which is a synonym of *Heterischnus nigricollis*.

***Heterischnus truncator* (Fabricius, 1798)**

Distribution in Iran: Golestan, Mazandaran, Semnan (Kolarov and Ghahari, 2008), Golestan (Ghahari and Jussila, 2010b, c), Ardabil, Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Rhexidermus truncator* Förster, 1889 (Ghahari and Jussila, 2010b, 2011c), which is a synonym of *Heterischnus truncator*.

***Phaeogenes heterogonus* Holmgren, 1860**

Distribution in Iran: Chaharmahal-o-Bakhtiari, Isfahan, Markazi (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

***Phaeogenes melanogonos* (Gmelin, 1790)**

Distribution in Iran: Ardabil (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tycherus ophthalmicus* (Wesmael, 1845)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2008), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Tribe Platylabini Berthoumieu, 1904***Cyclolabus nigricollis* (Wesmael, 1845)**

Distribution in Iran: Ardabil (Kolarov and Ghahari, 2008), Guilan (Ghahari and Jussila, 2010c).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

Host records: *Yponomeuta malinella* Zeller, 1838, *Y. padella* (Linnaeus, 1758) (Lep.: Yponomeutidae) (Yu et al., 2005), *Lucita pentadactyla* Linnaeus, 1758 (Lep.: Pterophoridae) (Kolarov and Ghahari, 2008).

***Cyclolabus pactor* (Wesmael, 1845)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

***Ectopius rubellus* (Gmelin, 1790)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2008), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Aliyev, 1999; Yu et al., 2005).

***Hypomecus quadriannulatus* (Gravenhorst, 1829)**

Distribution in Iran: Khuzestan (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Aliyev, 1999; Yu et al., 2005).

***Platylabus heteromallus* Berthoumieu, 1910**

Distribution in Iran: Azerbaijan-e-Sharghi (Ghahari and Jussila, 2010c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Platylabus pedatorius* (Fabricius, 1793) (Ghahari and Jussila, 2010c), which is a synonym of *Platylabus heteromallus*.

***Platylabus rufus* Wesmael, 1845**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Platylabus tricingulatus* (Gravenhorst, 1820)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2008).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Subfamily Mesochorinae Förster, 1869

***Cidaphus alarius* (Gravenhorst, 1829)**

Distribution in Iran: Guilan (Masnadi and Riedel, 2006; Masnadi and Jussila, 2009).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Subfamily Metopiinae Förster, 1869

***Colpotrochia triclitor* (Aubert, 1979)**

Distribution in Iran: Ardabil (Ghahari and Jussila, 2010a).

General distribution: Western Palaearctic (Yu et al., 2005).

***Exochus britannicus* Morley, 1911 ***

Material examined: 2♂ on *Medicago sativa* L., Khorasan-e-Razavi, Sabzevar, 05.VI.2011, leg. Kh. Fathabadi.

General Distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005), Nearctic (Çoruh and Kolarov, 2012).

***Exochus castaniventris* Brauns, 1896**

Distribution in Iran: Isfahan, Tehran (Masnadi and Jussila, 2009), Semnan (Ghahari, 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Exochus gravipes* (Gravenhorst, 1820)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Exochus mitratus* Gravenhorst, 1829**

Distribution in Iran: Tehran (Masnadi and Jussila, 2009).

General distribution: Palaearctic and Nearctic (Yu et al., 2005).

***Metopius (Peltocarus) croceicornis* Thomson, 1887**

Distribution in Iran: Tehran (Masnadi and Jussila, 2009).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Metopius (Peltocarus) vespulator* Aubert, 1979**

Distribution in Iran: Tehran (Klopfstein and Baur, 2011).

General distribution: Eastern Palaearctic (Yu et al., 2005).

Subfamily Ophioninae Shuckard, 1840

***Enicospilus ahngeri* (Kokujev, 1907)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Ethiopian (Yu et al., 2005).

***Enicospilus cruciator* Victorov, 1957**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Enicospilus ocellatus* Shestakov, 1926**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Enicospilus perlatus* Shestakov, 1926**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic, Ethiopian (Yu et al., 2005).

***Enicospilus stenopsis* (Kohl, 1905)**

Distribution in Iran: Sistan and Baluchestan (Barahoei et al., 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Enicospilus tournieri* (Vollenhoven, 1879)**

Distribution in Iran: Fars (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Enicospilus variicarpus* Kokujev, 1907 †**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2005; Barahoei et al., 2012).

New Material: 3♀ 3♂, swept on *Medicago sativa* L., Sistan and Baluchestan, Muhammad Abad, 03.III.2010, leg. H. Barahoei.

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Eremotylus boguschi* (Meyer, 1935)**

Distribution in Iran: Tehran (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Eremotylus intermedius* (Hedwig, 1957)**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Eremotylus pumilus* (Hedwig, 1957)**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Ophion luteus* (Linnaeus, 1758)**

Distribution in Iran: Yazd (Zarepour et al., 2008), Golestan (Masnadi et al., 2010).

General distribution: Worldwide (Yu et al., 2005).

***Ophion minutus* Kriechbaumer, 1879**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ophion mirsa* (Shestakov, 1926)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ophion mocsaryi* Brauns, 1889**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ophion obscuratus* Fabricius, 1798**

Distribution in Iran: Yazd (Zarepour et al., 2008), Tehran, Golestan, Hormozgan, Kerman, Fars (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Ophion obscurus* Fabricius, 1804 (Zarepour et al., 2008), which is a synonym of *Ophion obscuratus*.

***Ophion parvulus* Kriechbaumer, 1879**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ophion turcomanicus* Szépligeti, 1905**

Distribution in Iran: Kordestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ophion ventricosus* Gravenhorst, 1829**

Distribution in Iran: Yazd (Zarepour et al., 2008, 2009).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Simophion calvus* Victorov, 1961**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic, Ethiopian (Yu et al., 2005).

Subfamily Orthocentrinae Forster, 1869

***Megastylus flavopictus* (Gravenhorst, 1829)**

Distribution in Iran: Golestan (Ghahari and Jussila, 2010b).

General distribution: Western Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Subfamily Orthopelmatinae Schmiedeknecht, 1910

***Orthopelma mediator* Thunberg, 1824**

Distribution in Iran: Tehran (Talebi et al., 2004), Azerbaijan-e-Gharbi (Talebi et al., 2004; Daneshvar et al., 2009), Azerbaijan-e-Sharghi (Lotfalizadeh et al., 2007), Fars, Zanjan (Masnadi and Jussila, 2009).

General distribution: Western Palaearctic, Nearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Orthopelma pavoniae* (Rondani, 1877) (Masnadi and Jussila, 2009), which is a synonym of *Orthopelma mediator*.

Subfamily Phrudinae Townes and Townes, 1949

***Phaestacoenitus caucasicus* Kasparyan, 1983**

Distribution in Iran: Mazandaran (Ghahari et al., 2010a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Phaestacoenitus niger* Kasparyan, 1983**

Distribution in Iran: Golestan (Ghahari and Jussila, 2010b), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c)

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Subfamily Pimplinae Wesmael, 1845

Tribe Delomeristini Hellén, 1915

***Perithous divinator* (Rossi, 1790)**

Distribution in Iran: Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Perithous scurra* (Panzer, 1804)**

Distribution in Iran: Mazandaran (Ghahari et al., 2010a), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Perithous septemcinctorius* (Thunberg, 1824)**

Distribution in Iran: Khorasan-e-Razavi (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Tribe Ephialtini Hellén, 1915

***Clistopyga incitator* (Fabricius, 1793)**

Distribution in Iran: Guilan, Tehran (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic, Ethiopian (Yu et al., 2005).

***Clistopyga laevis* Kasparyan, 1981**

Distribution in Iran: Guilan (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Clistopyga rufator* Holmgren, 1856**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Dolichomitus agnoscendus* (Roman, 1939)**

Distribution in Iran: Guilan (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Dolichomitus dux* (Tschek, 1869)**

Distribution in Iran: Alborz, Fars, Tehran (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Dolichomitus kriechebaumeri* (Schulz, 1906)**

Distribution in Iran: Tehran (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Dolichomitus tuberculatus* (Geoffroy, 1758)**

Distribution in Iran: Fars (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Endromopoda arundinator* (Fabricius, 1804)**

Distribution in Iran: Khorasan-e-Razavi, Tehran (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Endromopoda detrita* (Holmgren, 1860)**

Distribution in Iran: Guilan (Masnadi and Jussila, 2008b; Mohammadi et al., 2013), Ardabil, Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c), Golestan (Ghahari and Jussila, 2010b), Tehran (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Scambus* (*Endromopoda*) *detritus* (Holmgren, 1860) (Ghahari and Jussila, 2010b, 2011c), which is a synonym of *Endromopoda detrita*.

***Endromopoda phragmitidis* Perkins, 1957**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Scambus* (*Endromopoda*) *phragmitidis* Perkins, 1957 (Ghahari and Jussila, 2011c), which is a synonym of *Endromopoda phragmitidis*.

***Ephialtes manifestator* (Linnaeus, 1758)**

Distribution in Iran: Khorasan-e-Razavi (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Exeristes arundinis* (Kriechebaumer, 1887)**

Distribution in Iran: Zanjan (Kolarov and Ghahari, 2006), Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011), Golestan (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Exeristes roborator* (Fabricius, 1793)**

Distribution in Iran: Azerbaijan-e-Gharbi (Daneshvar et al., 2009; Talebi et al., 2004), Tehran (Talebi et al., 2004), Chaharmahal-o-Bakhtiari, Kerman, Zanjan (Kolarov and Ghahari, 2005), Azerbaijan-e-Sharghi (Lotfalizadeh et al., 2009), Guilan, Tehran (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic, Ethiopian (Yu et al., 2005).

Host record: *Diplolepis fructuum* (Rübsaamen, 1882) (Hym.: Cynipidae) (Lotfalizadeh et al., 2009).

***Exeristes ruficollis* (Gravenhorst, 1829)**

Distribution in Iran: Markazi (Masnadi, 2007; Masnadi and Jussila, 2008b).

General distribution: Western Palaearctic (Yu et al., 2005).

***Iseropus stercorator* (Fabricius, 1793)**

Distribution in Iran: Semnan (Ghahari and Jussila, 2010a), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Gregopimpla inquisitor* (Scopoli, 1763)**

Distribution in Iran: Tehran (Masnadi, 2007; Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Gregopimpla malacosomae* (Seyrig, 1927)**

Distribution in Iran: Azerbaijan-e-Sharghi (Karimpour and Horstmann, 2006).

General distribution: Western Palaearctic (Yu et al., 2005).

***Liotryphon caudatus* (Ratzeburg, 1848)**

Distribution in Iran: Tehran (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Liotryphon punctulatus* (Ratzeburg, 1848)**

Distribution in Iran: Guilan, Tehran (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Megaetaira madida* (Haliday, 1838)**

Distribution in Iran: Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2006).

General distribution: Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Acrodactyla madida* Haliday 1838 (Kolarov and Ghahari, 2006), which is a synonym of *Megaetaira madida*.

***Paraperithous gnathaulax* (Thomson, 1877)**

Distribution in Iran: Kerman (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Polysphincta tuberosa* Gravenhorst, 1829**

Distribution in Iran: Mazandaran (Ghahari et al., 2010a).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Scambus brevicornis* (Gravenhorst, 1829)**

Distribution in Iran: Kordestan (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Scambus calobatus* (Gravenhorst, 1829)**

Distribution in Iran: Mazandaran (Sedghian, 2001), Azerbaijan-e-Sharghi (Masnadi and Jussila, 2008b), Semnan (Ghahari and Jussila, 2010a).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host records: *Balaninus glandium* Stephens, 1831 (Col.: Curculionidae) (Sedghian, 2001).

Remark: This species has previously been recorded as *Scambus planatus* (Hartig, 1838) (Sedghian, 2001; Masnadi and Jussila, 2008b), which is a synonym of *Scambus calobatus*.

***Scambus foliae* (Cushman, 1938)**

Distribution in Iran: Mazandaran (Ghahari et al., 2010a; Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b,c), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011d).

General distribution: Western Palaearctic (Yu et al., 2005).

***Scambus nigricans* (Thomson, 1877)**

Distribution in Iran: Ardabil, Kerman (Kolarov and Ghahari, 2006), Mazandaran (Ghahari et al., 2010b), Guilan (Ghahari et al., 2010b; Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Pimpla robusta* Rondani, 1877 (Ghahari et al., 2010b), which is a synonym of *Scambus nigricans*.

***Scambus signatus* (Pfeffer, 1913)**

Distribution in Iran: Mazandaran, Guilan (Ghahari et al., 2010a).

General distribution: Western Palaearctic (Yu et al., 2005).

***Scambus vesicarius* (Ratzeburg, 1844)**

Distribution in Iran: Fars (Masnadi, 2006b; Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Schizopyga flavifrons* Holmgren, 1856**

Distribution in Iran: Guilan (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Schizopyga podagrica* Gravenhorst, 1829**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2006), Golestan (Ghahari and Jussila, 2010a), Mazandaran (Ghahari and Jussila, 2011a), Khorasan-e-Razavi (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Zabrachypus primus* Cushman, 1920**

Distribution in Iran: Guilan (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Zaglyptus multicolor* (Gravenhorst, 1829)**

Distribution in Iran: Kerman, Khorasan-e-Razavi, Mazandaran, Golestan (Kolarov and Ghahari, 2006), Guilan, Tehran (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Zaglyptus varipes* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2006), Semnan (Ghahari, 2012).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Zatypota bohemani* (Holmgren, 1860)**

Distribution in Iran: Fars (Masnadi, 2006b; Masnadi and Jussila, 2008b), Guilan, Tehran (Mohammadi et al., 2013).

General distribution: Western Palaearctic, Nearctic (Yu et al., 2005).

***Zatypota percontatoria* (Müller, 1776)**

Distribution in Iran: Guilan, Golestan (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Zatypota gracilis* (Holmgren, 1860) (Kolarov and Ghahari, 2006), which is a synonym of *Zatypota percontatoria*.

Tribe Pimplini Wesmäl, 1845***Itopectis alternans* (Gravenhorst, 1829)**

Distribution in Iran: Fars (Lotfalizadeh et al., 2012), Guilan (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Lobesia botrana* (Denis and Schiffermüller, 1775) (Lep.: Tortricidae) (Lotfalizadeh et al., 2012).

***Itopectis aterrima* Jussila, 1965**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2010a), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Itopectis maculator* (Fabricius, 1775)**

Distribution in Iran: Azerbaijan-e-Gharbi (Kolarov and Ghahari, 2006), Tehran (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Itopectis melanocephala* (Gravenhorst, 1829)**

Distribution in Iran: Isfahan, Mazandaran, Golestan (Kolarov and Ghahari, 2006), Guilan, (Kolarov and Ghahari, 2006; Mohammadi et al., 2013), Hamadan (Masnadi, 2007; Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic, Ethiopian (Yu et al., 2005).

***Itopectis tunetana* (Schmiedeknecht, 1914)**

Distribution in Iran: Azerbaijan-e-Gharbi (Akbarzadeh, 2011), Sistan and Baluchestan (Barahoei et al., 2013a), Guilan, Tehran (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic, Ethiopian (Yu et al., 2005).

***Itopectis viduata* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2006), Kerman, Mazandaran (Ghahari et al., 2010b).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Pimpla asiatica* Kasparyan, 1973**

Distribution in Iran: Tehran (Mohammadi et al., 2013)

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Pimpla arcadica* Kasparyan, 1973**

Distribution in Iran: Khuzestan (Kolarov and Ghahari, 2006), Azerbaijan-e-Gharbi (Akbarzadeh, 2011).

General distribution: Western Palaearctic (Yu et al., 2005).

***Pimpla contemplator* (Müller, 1776)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2006), Sistan and Baluchestan (Barahoei et al., 2013a).

General distribution: Eastern Palaearctic, Western Palaearctic (Kolarov and Gürbüz, 2004; Yu et al., 2005; Çoruh and Kolarov, 2010).

***Pimpla flavicoxis* Thomson, 1877**

Distribution in Iran: Fars (Masnadi, 2006b; Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Pimpla illecebrator* (Villers, 1789)**

Distribution in Iran: Hamadan (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Pimpla indra* Cameron, 1899**

Distribution in Iran: Golestan, Mazandaran (Ghahari et al., 2010b).

General distribution: Eastern Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Coccygomimus indra* (Cameron, 1899) (Ghahari et al., 2010b), which is synonym of *Pimpla indra*.

***Pimpla insignatoria* (Gravenhorst, 1807)**

Distribution in Iran: Guilan (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Pimpla kaszabi* (Momi, 1973)**

Distribution in Iran: Azerbaijan-e-Gharbi (Akbarzadeh, 2011).

General distribution: Eastern Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Pimpla confinis* Kasparyan, 1974 (Akbarzadeh, 2011), which is a synonym of *Pimpla kaszabi*.

***Pimpla rufipes* (Miller, 1759)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2005; Mohammadi et al., 2013), Golestan, Mazandaran (Kolarov and Ghahari, 2006), Azerbaijan-e-Sharghi (Karimpour and Horstmann, 2006; Masnadi and Jussila, 2008b; Ghahari and Jussila, 2011c), Tehran (Mohammadi et al., 2013; Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Malacosoma castrense* (Linnaeus, 1758) (Lep.: Lasiocampidae) (Karimpour and Horstmann, 2006).

Remark: The same species has previously been recorded as *Pimpla hypochondriaca* (Retzius, 1783) (Kolarov and Ghahari, 2005; Ghahari and Jussila, 2011c) and *Pimpla instigator* Fabricius, 1793 (Karimpour and Horstmann, 2006) which are synonym of *Pimpla rufipes*.

***Pimpla sodalis* Ruthe, 1859**

Distribution in Iran: Fars (Masnadi and Jussila, 2008b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Pimpla cheloniae* Giraud, 1869 (Kolarov and Ghahari, 2005), which is a synonym of *Pimpla sodalis*.

***Pimpla spuria* Gravenhorst, 1829**

Distribution in Iran: Khuzestan, Mazandaran (Kolarov and Ghahari, 2006), Guilan, Tehran (Mohammadi et al., 2013).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Pimpla turionellae* (Linnaeus, 1758)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Strongylopsis belua* Kuzin, 1950**

Distribution in Iran: Golestan (Masnadi, 2007; Masnadi and Jussila, 2008b; Ghahari and Jussila, 2010b), Ardabil (Ghahari and Jussila, 2011c).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Theronia atalantae* (Poda, 1761)**

Distribution in Iran: Chaharmahal-o-Bakhtiari (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Tromatobia lineatoria* (Villers, 1789)**

Distribution in Iran: Guilan (Mohammadi et al. 2013).

General distribution: Western Palaearctic (Yu et al. 2005).

***Tromatobia ornata* (Gravenhorst, 1829) †**

Distribution in Iran: Guilan (Mohammadi et al. 2013).

New Material: 2♀ on *Medicago sativa* L., Khorasan-e-Razavi, Sabzevar, 22.IV.2011, leg. Kh. Fathabadi.

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al. 2005).

Subfamily Rhyssinae Morley, 1913***Megarhyssa superba* (Schrank, 1781)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011d), Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Rhyssa amoena* Gravenhorst, 1829**

Distribution in Iran: Ilam (Ghahari and Jussila, 2011d), Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Rhyssa persuasoria* (Linnaeus, 1758)**

Distribution in Iran: Golestan (Ghahari and Jussila, 2010b), Mazandaran (Ghahari and Jussila, 2010a, 2011a), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011c), Isfahan (Ghahari and Jussila, 2011d).

General distribution: Worldwide (Yu et al., 2005).

Subfamily Tersilochinae Schmiedeknecht, 1910***Aneuclis incidens* (Thomson, 1889)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2011d), Kerman, Khorasan-e-Razavi, Sistan and Baluchestan (Barahoei et al., 2013b).

General Distribution: Eastern Palaearctic (Horstmann, 1980; Khalaim, 2004b; Yu et al., 2005), Western Palaearctic (Kolarov, 1987, 1995; Šedivý, 1989; Yu et al., 2005).

***Barycnemis alpina* (Strobl, 1901)**

Distribution in Iran: Golestan (Ghahari and Jussila, 2010a).

General distribution: Western Palaearctic (Yu et al., 2005).

***Diaparsis (Diaparsis) jucunda* (Holmgren, 1860)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2011d)

General Distribution: Western Palaearctic (Khalaim, 2005, 2011).

***Diaparsis (Pectinoparsis) improvisator* Khalaim, 2005**

Distribution in Iran: Khorasan-e-Razavi (Barahoei et al., 2013b).

General Distribution: Eastern Palaearctic (Khalaim, 2005, 2011).

Subfamily Tryphoninae Shuckard, 1840

Tribe Exenterini Förster, 1869

***Acrotomus lucidulus* (Gravenhorst, 1829)**

Distribution in Iran: Semnan (Ghahari, 2012).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Acrotomus succinctus* (Gravenhorst, 1829)**

Distribution in Iran: Alborz (Kolarov, 2009).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Kristotomus laetus* (Gravenhorst, 1829)**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Tribe Phytodietini Hellén, 1915

***Netelia arabs* (Strand, 1911)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Western Palaearctic, Ethiopian (Yu et al., 2005).

***Netelia armeniaca* Tolkantitz, 1971**

Distribution in Iran: Yazd (Zarepour et al., 2008, 2009), Ardabil (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Netelia dilatata* (Thomson, 1888)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Netelia fuscicornis* (Holmgren, 1860)**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Netelia nigricornis* Horstmann, 1981**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic (Yu et al., 2005).

***Netelia ocellaris* (Thomson, 1888)**

Distribution in Iran: Fars (Masnadi et al., 2010).

General distribution: Ethiopian (Yu et al., 2005).

Remark: This is an Ethiopian species (Yu et al., 2005), therefore this record is based on a misidentification.

***Netelia semenowi* (Kokujev, 1899)**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Netelia testacea* (Gravenhorst, 1829)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Worldwide (Yu et al., 2005).

***Netelia thoracica* (Woldstedt, 1880)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005; Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Netelia grumi* (Kokujev, 1906) (Masnadi et al., 2010), which is a synonym of *Netelia thoracica*.

***Netelia vinulae* (Scopoli, 1763)**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Netelia (Bessobates) cristata* (Thomson, 1888)**

Distribution in Iran: Kermanshah, Mazandaran, Tehran (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Netelia (Bessobates) latungula* (Thomson, 1888)**

Distribution in Iran: Azerbaijan-e-Sharghi (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Netelia (Paropheltes) Lineolata* (Costa, 1883)**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2006).

General distribution: Western Palaearctic (Yu et al., 2005).

***Netelia (Paropheltes) turanica* (Kokujev, 1899)**

Distribution in Iran: Sistan and Baluchestan (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Netelia (Toxochiloides) krishtali* Tolkanitz, 1971**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Netelia (Toxochiloides) tunetana* (Habermehl, 1923)**

Distribution in Iran: Kerman, Kermanshah, Kordestan, Mazandaran (Kolarov and Ghahari, 2006).

General distribution: Western Palaearctic, Ethiopian (Yu et al., 2005).

Tribe Tryphonini Shuckard, 1840

***Aderaeon hamatum* Kasparyan, 1971**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ctenochira arcuata* (Holmgren, 1857)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Ctenochira marginata* (Holmgren, 1857)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2010a, 2011a), Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ctenochira propinqua* (Gravenhorst, 1829)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2011a, d; Ghahari and Schwarz, 2011).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Ctenochira sphaerocephala* (Gravenhorst, 1829)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Dyspetes luteomarginatus* Habermehl, 1925**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Western Palaearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Dyspetes arrogator* Heinrich, 1949 (Ghahari and Jussila, 2011b), which is a synonym of *Dyspetes luteomarginatus*.

***Erromenus calicator* (Müller, 1776)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011), Isfahan (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Erromenus plebejus* (Woldstedt, 1878)**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Grypocentrus albipes* Ruthe, 1855**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011), Kordestan (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Grypocentrus cinctellus* Ruthe, 1855**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Neleges proditor* (Gravenhorst, 1829)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2010a; Ghahari and Jussila, 2011a), Ardabil (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Polyblastus (Labroctonus) alternans* Schiødte, 1838**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011), Isfahan (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

***Polyblastus pedalis* (Cresson, 1864)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2011a; Ghahari and Schwarz, 2011), Kordestan (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic, Nearctic (Yu et al., 2005).

Remark: This species has previously been recorded as *Polyblastus carbonator* Kasparyan, 1970 (Ghahari and Jussila, 2011a, d; Ghahari and Schwarz, 2011), which is a subspecies of *Polyblastus pedalis*.

***Thibetoides acerbus* Viktorov, 1964**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tryphon atriceps* Stephens, 1835**

Distribution in Iran: Not exactly defined (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tryphon caucasicus* Kasparyan, 1969**

Distribution in Iran: Azerbaijan-e-Sharghi (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tryphon (Symboethus) heliophilus* Gravenhorst, 1829**

Distribution in Iran: Guilan (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tryphon (Symboethus) hinzi* Heinrich, 1953**

Distribution in Iran: Tehran (Masnadi et al., 2010).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tryphon latrator* (Fabricius, 1781)**

Distribution in Iran: Mazandaran (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tryphon (Stenocrotaphon) nigrinus* Brischke, 1871**

Distribution in Iran: Khorasan-e-Razavi (Ghahari and Jussila, 2011d).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tryphon psilosagator* Aubert, 1966**

Distribution in Iran: Mazandaran (Kolarov and Ghahari, 2006), Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tryphon rutilator* (Linnaeus, 1761)**

Distribution in Iran: Golestan (Kolarov and Ghahari, 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tryphon thomsoni* Roman, 1939**

Distribution in Iran: Guilan (Kolarov and Ghahari, 2006).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

***Tryphon trochanteratus* Holmgren, 1857**

Distribution in Iran: Azerbaijan-e-Gharbi (Ghahari and Jussila, 2011b).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Subfamily Xoridinae Shuckard, 1840

Tribe Xoridini Shuckard, 1840

***Xorides corcyrensis* (Kriechbaumer, 1894)**

Distribution in Iran: Fars (Sharifi and Javadi, 1971; Hesami et al. 2005).

General distribution: Eastern Palaearctic, Western Palaearctic (Yu et al., 2005).

Host record: *Osfranteria coeruleascens* Redtenbacher, 1850 (Col.: Cerambycidae) (Sharifi and Javadi, 1971; Hesami et al., 2005).

***Xorides persicator* Aubert, 1976**

Distribution in Iran: Fars (Klopfstein and Baur, 2011).

General distribution: Eastern Palaearctic (Yu et al., 2005).

In total, 502 species belonging to 189 genera and 24 subfamilies of Ichneumonid wasps have been recorded from Iran (Table 1). The family Ichneumonidae consisting of 48 subfamilies, all of them except 5 subfamilies (Claseinae Townes, 1969; Labeninae Ashmead, 1900; Nonninae Townes, 1961; Pedunculinae Porter, 1998 and Tatogastrinae Wahl, 1990), are recorded from the Eastern Palaearctic region. With regards to the vast number of the recorded species in the Palaearctic region, further investigations are necessary to have a better understanding from the occurrence of other Ichneumonid taxa in Iran and even in the neighboring countries.

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TABLE 1. A List of reported number of subfamilies, genera and species of Ichneumonidae from Iran.

Subfamilies	Number of genera	Number of species
Acaenitinae	4	8
Anomaloninae	4	11
Banchinae	4	10
Brachycyrtinae	1	1
Campopleginae	15	36
Collyriinae	1	1
Cre mastinae	6	22
Cryptinae	38	94
Ctenopelmatinae	9	9
Cylloceriinae	1	1
Diplazontinae	5	7
Hybrizontinae	1	1
Ichneumoninae	49	158
Mesochorinae	1	1
Metopiinae	3	7
Ophioninae	4	19
Orthocentrinae	1	1
Orthopelmatinae	1	1
Phrudinae	1	2
Pimplinae	22	60
Rhyssinae	2	3
Tersilochinae	3	4
Tryphoninae	12	43
Xoridinae	1	2
Total number	189	502

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