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Original Article

Eucerini (Hymenoptera, Apidae) of Iran: updated checklist and new records

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ABSTRACT. In this study, nine species of the tribe Eucerini (Hymenoptera: Apidae) are recorded from Iran for the first time, based on 1462 specimens deposited in the Iranian Pollinator Insects Museum at Yasouj University (IPIM-YU). The study draws on a collection of 5807 Eucerini specimens collected between 2006 and 2024, of which 1462 specimens were examined for species-level identification and confirmation of distributional records. Detailed specimen data, including the number of specimens, collection localities, geographic coordinates, and distribution maps for Iran, are provided, along with global distribution information where available. The species newly recorded from Iran are *Eucera albofasciata* Friese, *E. brevitarsis* Risch, *E. hungarica* Friese, *E. interrupta* Baer, *E. latipes* Risch, *E. monticola* Risch, *E. seminuda* Brullé, *E. serraticornis* Risch, and *E. sociabilis* Smith. With these new records, the number of Eucerini species known from Iran increases to 70. Voucher specimens are available for 50 species, whereas the remaining species are included based solely on published records. All Eucerini species recorded from Iran have Palaearctic distributions. A distribution map of the recorded species and an overview of species richness among the genera known from Iran are also presented.

KEYWORDS: IPIM-YU, Long horned bees, Pollinator Insects, Yasouj

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INTRODUCTION

The tribe Eucerini (Hymenoptera: Apidae) is commonly known as the longhorn bees due to the typically long antennae of the males. This tribe comprises a large group of solitary bees, with approximately 780 species distributed widely throughout the world, except in Australia (Vivallo 2009; Dorchin et al. 2018). Bees in this tribe are important pollinators, particularly in some regions, such as the Middle East and the Mediterranean basin (Dorchin et al. 2018). The classification of the main genera within this tribe has long been controversial, particularly the genus *Eucera*, which is highly complex. Based on a phylogenetic inference, Dorchin et al. (2018) proposed a first comprehensive revision of the generic classification of the group. Recently, Freitas et al. (2023) presented a worldwide classification of the tribe Eucerini into subtribes based on NGS methods, where the subtribe Eucerina relevant to Iran is represented by two genera, *Eucera* and *Tetralonia*. In Iran, apart from the studies of Khodaparast and Monfared (2012, 2013), no comprehensive study has been conducted on this tribe. However, scattered works by some researchers documented the collection and identification of Eucerini species. For example, in the years 2002 to 2003, a number of pollinator bees belonging to the superfamily Apoidea, including species from the genera *Eucera* and *Tetralonia* (tribe Eucerini), were collected and identified in Guilan province (Tavakoli Korqand et al. 2010). Risch (1997, 2003) recorded several species of *Eucera* from Iran. Khodaparast & Monfared (2012) recorded 26 species from the tribe Eucerini, and in a subsequent study, Khodaparast & Monfared

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(2013) conducted a taxonomic study on the tribe Eucerini in Fars province, documenting 26 species, of which 19 species were new records for the fauna of Iran. These authors have also provided detailed illustrations to facilitate the identification of the species. Keshtkar et al. (2012) recorded three species of *Eucera* in gardens and parks of Shiraz, Fars province. Among the material examined by Kiani-Bakiani et al. (2016), six species of the tribe Eucerini were recorded from Fars province. Khodarahmi & Monfared (2019) documented 10 Eucerini species, of which six species were recorded for the first time from Iran. Nazari et al. (2019) added five Eucerini species from Chaharmahal & Bakhtiari province. In neighbouring Azerbaijan, Aliyev and Maharramov (2015) reported 12 species of Eucera from the Nakhchivan Autonomous Republic, including four species newly recorded for the fauna of Azerbaijan. Similarly, Augul (2018) provided a checklist of the bee fauna of Iraq, documenting 110 species belonging to 32 genera and five families, including members of the family Apidae. In Russia, Levchenko et al. (2017b) investigated the family Apidae and reported numerous species of Eucerini, including representatives of the genera *Eucera* and *Tetralonia*. In another study from Russia, Proshchalykin et al. (2019) documented 95 species from 17 genera, which also included the eucerine genera *Eucera* and *Tetralonia*. Finally, Dorchin (2019) described the species *E. dafnii*, which is known to occur in Iran. This species was recorded from Iran, Türkiye, Palestine, Syria, Bulgaria, and Egypt. Due to the high diversity of the Eucerini of Iran as part of the overall rich fauna of this vast country, and their importance as main pollinators, further research on the tribe Eucerini is necessary for their future conservation. The present study aims to fill this gap through a faunistic survey and compilation of taxonomic and geographical distribution data focused on the Eucerini of Iran.

MATERIALS AND METHODS

Sampling and specimen preparation. The collection comprised 5,807 Eucerini specimens collected from agricultural crops and pasture plants across various provinces of Iran between 2006 and 2024 using sweep nets. All specimens were initially identified to the subgeneric level based on the available taxonomic literature (Michener 2007). A subset of 1,462 specimens deposited in the Iranian Pollinator Insects Museum, Yasouj University (IPIM-YU), was subsequently examined and identified to the species level in the present study. Geographic coordinates and elevation were recorded for each collection locality using a Garmin® eTrex HC GPS device (Garmin Ltd., Olathe, KS, USA). All specimen and collection data were compiled in an Excel database. Specimens were examined individually and identified to species level by the third author and also by Stefan Risch (Germany) based on morphological examination and comparison with relevant taxonomic literature and reference material. The taxonomic framework adopted in this study is based primarily on the UCE phylogenomic classification of Eucerini proposed by Freitas et al. (2023), incorporating its nomenclatural correction (Freitas et al., 2024). Accordingly, *Eucera* Scopoli, 1770 and *Tetralonia* Spinola, 1838 are recognized as separate genera, with *Eucera* in Iran represented by the subgenera *Eucera* s. str., *Cubitalia*, and *Synhalonia*, while *Tetralonia* is treated as a separate genus. Species nomenclature was checked against relevant taxonomic literature, with particular emphasis on type-based treatments. Species-group assignments were evaluated independently from generic and subgeneric classification, based on species-level taxonomic literature and established species-group concepts. Where taxonomic revisions changed generic or subgeneric combinations without affecting species-group concepts, the established species-group designation was retained. The resulting catalogue is arranged alphabetically by genus, subgenus, and species. The updated checklist of Iranian Eucerini, including current generic and subgeneric combinations and species-group placement where reliably established, is presented in Table 1. Following identification and verification, the examined specimens were deposited in the Iranian Pollinator Insects Museum at Yasouj University (IPIM-YU). Photographs were taken using an Olympus® E-M1 Mark II camera equipped with an Olympus® Zuiko 60 mm F2.8 macro lens.

Distributional data. Global distributional information for the species recorded from Iran was compiled from published taxonomic and distributional sources, including Reverté et al. (2023) and Ascher and Pickering (2026), supplemented by records obtained from the present study. For the presentation of the general distribution of each species, available geographical records reported in the literature were

assigned to biogeographical regions following the framework of Zwick (2009). This framework was used to standardize geographical terminology and to facilitate comparison of the distributional ranges of the species. Records reported from outside the Palaearctic region were excluded from the distributional assessment because they were considered likely to result from geographical coordinate or transcription errors. Where a species was reported from more than one biogeographical region within the Palaearctic, all corresponding regions were included in its general distribution. Information on the occurrence of each species in Iran was based on the examined material and relevant published records and was presented separately following the general distribution. The resulting distributional information is summarized in Figure 1.

RESULTS

Species-level examination of the IPIM-YU material revealed 50 Eucerini species represented in the collection, including nine species newly recorded from Iran (Fig. 2). In addition to these specimen-based findings, an updated catalogue of 70 Eucerini species known from Iran is presented, comprising both species represented by voucher specimens deposited in IPIM-YU and those documented exclusively in the published literature. The taxonomic classification of the Iranian Eucerini represented in the IPIM-YU collection and their composition by species group are summarized in Tables 1 and 2, respectively, following the global classification proposed by Freitas et al. (2023).

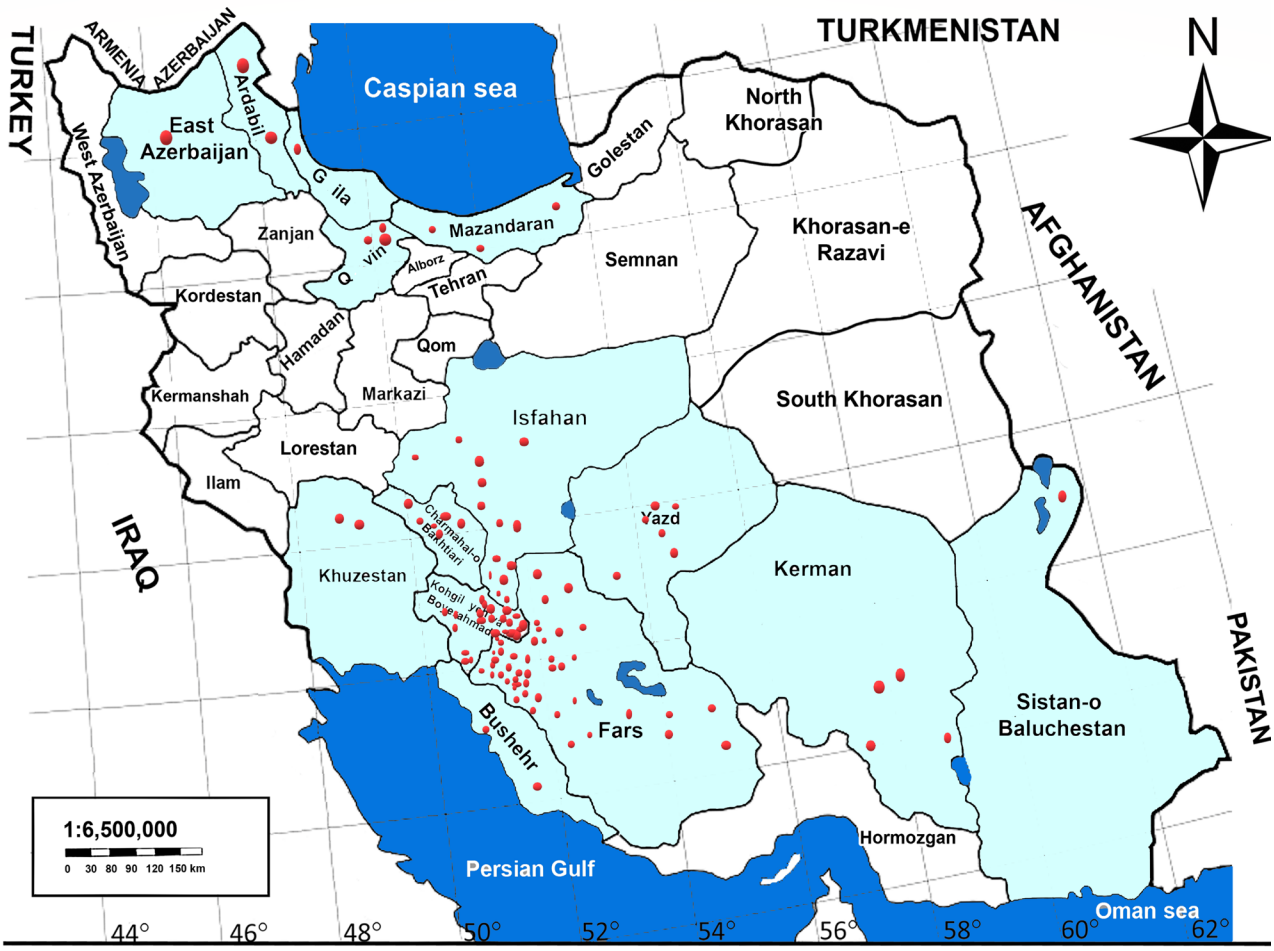


Figure 1. Geographical distribution of the examined Eucerini specimens deposited in the Iranian Pollinator Insects Museum (IPIM-YU), Iran. Red circles indicate sampling localities, with circle size proportional to the total number of specimens collected at each locality.

The identified species are presented by genus and, where applicable, assigned to species groups. The results also include a map showing the collection localities in Iran (Fig. 1), photographs of the nine species newly recorded from Iran (Fig. 2), and the number of confirmed Iranian Eucerini species in each subgenus, based on specimens deposited in the IPIM-YU collection (Fig. 3A) and on the combined dataset of specimens examined in the present study and reliable published records (Fig. 3B). The composition of the confirmed Iranian Eucerini fauna by subgenus, based on the combined dataset of examined specimens and published records, is presented in Figure 4.

Class Insecta Linnaeus, 1785

Order Hymenoptera Linnaeus, 1758

Superfamily Apoidea Latreille, 1802

Family Apidae Latreille, 1802

Subfamily Eucerinae Latreille, 1802

Tribe Eucerini Latreille, 1802

Genus: *Eucera* Scopoli, 1770

Type species: *Apis longicornis* Linnaeus, 1758, by designation of Latreille, 1810:439.

Subgenus *Eucera* Scopoli, 1770

Eucera aeolopus Pérez, 1911

Material examined. Fars Province: 1♂, Khaarestan (30˚38'23.16"N, 51˚55'00.60"E), 15.V.2011, swept, leg. A. Monfared; 1♂, Nurabad, Zirdu Tolekohne (30˚14'20.21"N, 51˚25'43.02"E), 3.III.2011, swept, leg. A. Monfared; 1♂, Sepidan, Bahreghan (30˚12'46.4"N, 52˚00'56.2"E), 8.IV.2010, swept, leg. S. Kiani; 1♂, Sepidan (30˚11'15"N, 52˚03'13"E), 18.IV.2014, swept, leg. S. Kiani; Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj, Aliabad (30˚38'10"N, 51˚35'54"E), 20.V.2011, swept, leg. H. Elahi & M. Mosavian; 1♂, Yasouj, Vezg (30˚32'31.0"N, 51˚34'55.0"E), 19.IV.2011, swept, leg. H. Elahi & M. Mosavian; 1♂, Yasouj, Vezg (30˚32'31.0"N, 51˚34'55.0"E), 20.IV.2011, swept, leg. H. Elahi & M. Mosavian; 3♂♂, Yasouj, Vezg (30˚32'31.0"N, 51˚34'55.0"E), 17.V.2011, swept, leg. H. Elahi & M. Mosavian; 1♂, Yasouj, Sarchenar (30˚52'27"N, 51˚08'09"E), 1.IV.2017, swept, leg. A. Monfared; 1♂, Shiraz–Yasouj Road (15 km to Yasouj) (30˚14'10"N, 51˚59'03"E), 20.V.2011, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera albofasciata Friese, 1895 (Fig. 2A)

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 6♀♀, Yasouj, Sarchenar (30˚52'27"N, 51˚08'09"E), 6.V.2011, swept, leg. A. Monfared; 1♀, Yasouj (30˚14'33.10"N, 51˚59'32.70"E), 29.V.2011, swept, leg. A. Monfared; 1♀, Yasouj, Sarchenar (30˚52'27"N, 51˚08'09"E), 18.V.2012, swept, leg. A. Monfared; 1♀, Yasouj, Chitab (30˚47'41"N, 51˚19'32"E), 6.V.2011, swept, leg. A. Monfared; Fars Province: 1♀, Nurabad, Mil Azhdaha (30˚06'06"N, 51˚27'17"E), 23.III.2018, swept, leg. A. Monfared; 1♀, Nurabad, Zirdu (30˚14'25.42"N, 51˚25'42.89"E), 24.III.2018, swept, leg. A. Monfared; Chaharmahal va Bakhtiari Province: 1♂, Jafarabad (32˚02'04.0"N, 50˚51'12.0"E), 18.V.2019, swept, leg. A. Monfared & S. Gholami.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (**new record**).

Eucera alfkeni Risch, 2003

Material examined. Isfahan Province: 2♂♂, Semirom, Vardasht (31˚31'57.0"N, 51˚35'28.0"E), 3.V.2019, swept, leg. S. Asadi; 1♂, Semirom, Bordakan (31˚27'53.0"N, 51˚34'28.0"E), 23.V.2019, swept, leg. S. Asadi; 1♂, Ghabre Kikha (31˚06'24.84"N, 51˚55'05.52"E, 7.VI.2016, swept, leg. R. Khodarahmi; Fars Province: 1♂, Shiraz, Zangene (29˚45'32.78"N, 51˚58'25.39"E), 22.IV.2011, swept, leg. Y. Rostami.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Risch 2003; Khodaparast & Monfared 2013).

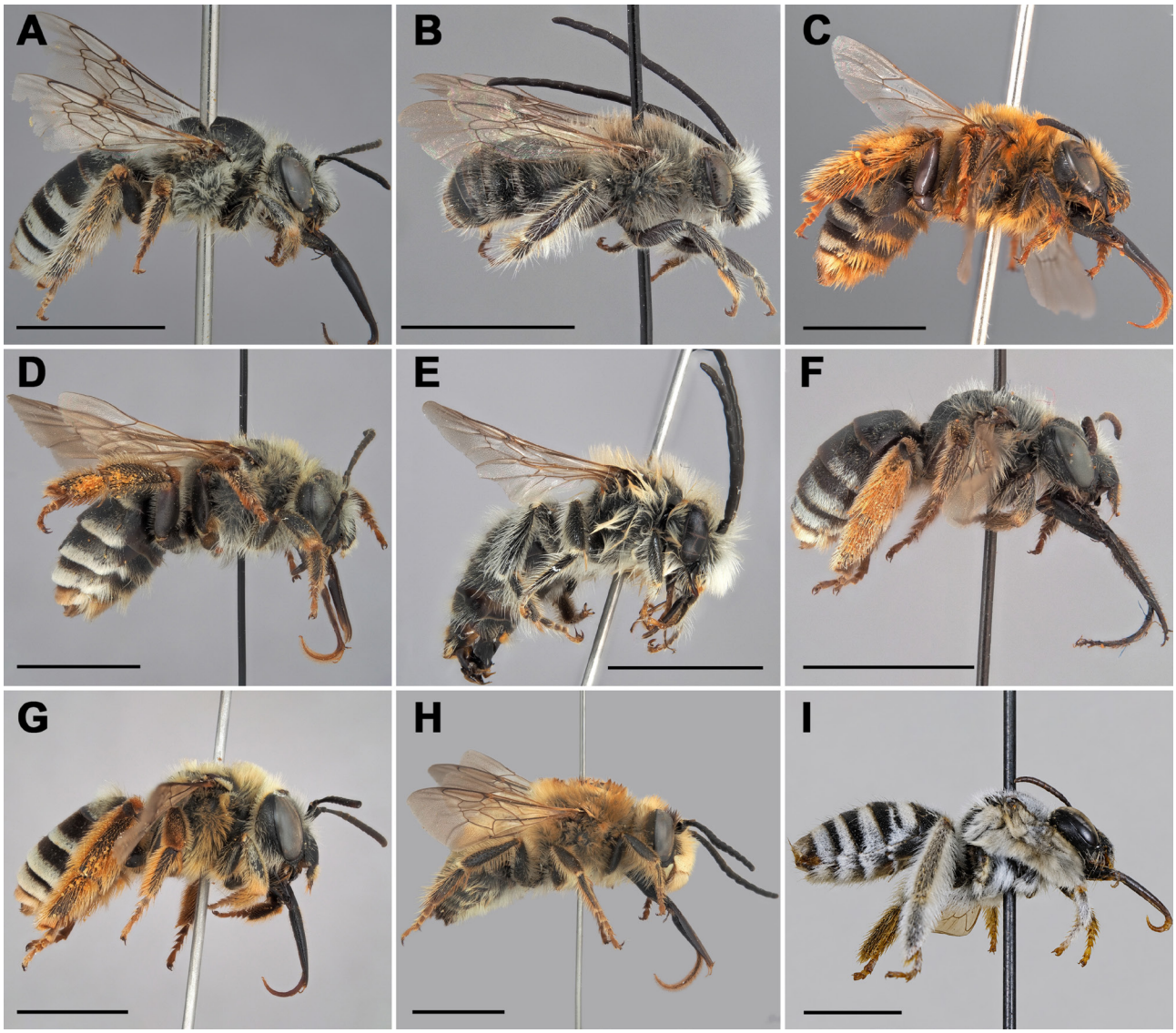


Figure 2. New records of Eucerini species of Iran. **A.** *Eucera albofasciata* Friese; **B.** *E. brevitarsis* Risch; **C.** *E. hungarica* Friese; **D.** *E. interrupta* Baer; **E.** *E. latipes* Risch; **F.** *E. monticola* Risch; **G.** *E. seminuda* Brullé; **H.** *E. serraticornis* Risch; **I.** *E. sociabilis* Smith. (Scale bars = 5 mm).

Eucera atricornis Fabricius, 1793

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera brevitarsis Risch, 1997 (Fig. 2B)

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj, Mehriyan (30°41'56"N, 51°33'47"E), 6.III.2016, swept, leg. A. Monfared.

General distribution. Palaearctic (Risch 1997; Ascher & Pickering 2026); Iran (**new record**).

Eucera caerulescens Friese, 1899

Material examined. Fars Province: 1♀, Nurabad, Zirdu Tolekohne (30°14'20.21"N, 51°25'43.02"E), 3.III.2011, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera caspica Morawitz, 1874

General distribution. Palaearctic; Iran (Ascher & Pickering 2026).

Eucera cineraria Eversmann, 1852

Material examined. Ardabil Province: 1♀, Meshkinshahr, Moiel (38°16'28.51"N, 47°43'53.00"E), 8.VI.2018, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Popov 1967; Khodaparast & Monfared 2013; Levchenko et al. 2017a).

Eucera clypeata Erichson, 1835

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 3♂♂, 1♀, Yasouj, Aliabad (30°38'10"N, 51°35'54"E), 20.V.2011, swept, leg. H. Elahi & M. Mosavian; 1♂, Yasouj, Mokhtar (30°40'39.0"N, 51°31'28.0"E), 10.V.2009, swept, leg. A. Monfared; 1♀, 1♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 9.VIII.2009, swept, leg. A. Monfared; 1♂, Yasouj, Dashtroom (30°32'33.5"N, 51°33'31.6"E), 17.VI.2018, swept, leg. N. Yaghoobi; 1♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 19.VI.2011, swept, leg. A. Monfared; 1♀, Sisakht, Cheshmeh Mishi (30°51'46"N, 51°29'14"E), 13.VI.2019, swept, leg. A. Monfared; 1♀, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 9.VII.2009, swept, leg. A. Monfared; Fars Province: 1♂, Sepidan, Sarbast (30°10'39"N, 52°03'01"E), 20.VI.2014, swept, leg. S. Kiani; 2♀♀, Abadeh, Khosro Shirin (30°53'52.6"N, 52°00'05.7"E), 6.VI.2019, swept, leg. N. Yaghoobi; 1♀, Sepidan (30°11'15"N, 52°03'13"E), 21.V.2013, swept, leg. S. Kiani; 1♀, Sepidan (30°11'15"N, 52°03'13"E), 19.VII.2013, swept, leg. S. Kiani; Chaharmahal & Bakhtiari Province: 1♂, Chelgerd (32°27'40"N, 50°06'56"E), 22.V.2015, swept, leg. S. Gholami; Isfahan Province: 1♂ (32°45'38"N, 51°37'07"E), 31.V.2013, swept, leg. R. Khodarahmi.

General distribution. Palaearctic (Risch 2003; Ascher & Pickering 2026); Iran (Risch 2003; Khodaparast & Monfared 2013; Kiani-Bakiani et al. 2016).

Eucera cypria Alfken, 1933

Material examined. Fars Province: 1♂, Nurabad, Tappeh Bastani (30°07'19.00"N, 51°31'14.41"E), 23.III.2019, swept, leg. A. Monfared; 1♂, Kazeroun, Kacekan Foroodgah (29°35'58"N, 51°36'33"E), 5.II.2010, swept, leg. R. Khodaparast; Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj, Semeron (30°54'55.0"N, 51°17'37.0"E), 2.V.2019, swept, leg. A. Monfared; 1♂, Dehdasht, Sarfariyab (30°48'33.0"N, 50°50'49.0"E), 2.V.2019, swept, leg. S. Dowlatkhah; Isfahan Province: 1♂, Semirom, Hormozabad (31°24'12.6"N, 51°34'08.8"E), 23.V.2019, swept, leg. S. Asadi.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera dafnii Dorchin, 2019

Material examined. Qazvin Province: 1♀, Verk (36°22'51.93"N, 50°41'19.61"E), 16.V.2019, swept, leg. A. Monfared & S. Gholami; 3♀♀, Moalem Kelayeh (36°28'00.30"N, 50°29'32.54"E), 10.V.2012, swept, leg. A. Monfared & A. Beheshti; Chaharmahal & Bakhtiari Province: 2♂♂, 1♀, Kavanak (32°20'45.09"N, 50°24'15.42"E), 22.V.2015, swept, leg. A. Monfared & S. Gholami; Isfahan Province: 1♂, Semirom, Hormozabad (31°24'12.6"N, 51°34'08.8"E), 16.V.2019, swept, leg. S. Asadi; Fars Province: 1♀, Sepidan (30°11'15"N, 52°03'13"E), 21.V.2014, swept, leg. A. Monfared; 1♂, Sepidan, Bahreghan (30°12'46.4"N, 52°00'56.2"E), 8.IV.2010, swept, leg. A. Monfared.

General distribution. Palaearctic (Dorchin 2019; Ascher & Pickering 2026); Iran (Dorchin 2019).

Eucera dalmatica Lepeletier, 1841

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 2♀♀, Yasouj, Naregah (30°36'56.0"N, 51°33'57.0"E), 20.VI.2008, swept, leg. A. Monfared; 1♀, 1♂, Yasouj, Naregah (30°36'56.0"N, 51°33'57.0"E), 13.VI.2018, swept, leg. E. Norozpour; 1♀, Yasouj, Naregah (30°36'56.0"N, 51°33'57.0"E), 18.VI.2018, swept, leg. F. Aghaei; 3♀♀, Yasouj, Dashtroom (30°32'33.5"N, 51°33'31.6"E), 17.VI.2018, swept, leg. S. Alajpour.

General distribution. Palaearctic (Grace 2010; Ascher & Pickering 2026); Iran (Levchenko et al. 2017b).

Eucera digitata Friese, 1895

General distribution. Palaearctic (Risch 2003; Ascher & Pickering 2026); Iran (Risch 2003).

Eucera dimidiata Brullé, 1833

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj, Mazekharide (30°38'19"N, 51°31'06"E), 16.VI.2016, swept, leg. M. Abasi; 1♂, Yasouj (30°14'33.10"N, 51°59'32.70"E), 16.V.2012, swept, leg. M. Honardar; 1♀, Yasouj, Tappeh Daneshgah (30°39'20.0"N, 51°35'28.0"E), 6.VIII.2018, swept, leg. A. Monfared & M. Bagheripour; 1♂, Dehdasht (30°45'49.0"N, 50°31'41.0"E), 10.I.2011, swept, leg. A. Monfared; Isfahan Province: 2♀♀, Mobarakeh, Nehchir (32°20'14"N, 51°31'53"E), 2.IV.2013, swept, leg. R. Khodarahmi; 1♂, Dehaghan, Astane (31°49.957'N, 051°35.359'E), 19.IV.2013, swept, leg. R. Khodarahmi; Fars Province: Kazeroun, 1♀, Konar Takhte (29°32'38"N, 51°23'28"E), 10.IV.2012, swept, leg. K. Bahadorian; 2♀♀, Konar Takhte (29°32'38"N, 51°23'28"E), 7.IV.2012, swept, leg. K. Bahadorian; 1♀, Ghale Sefid (29°38'50.46"N, 51°33'33.12"E), 15.II.2010, swept, leg. R. Khodaparast; 1♂, Ghale Sefid (29°38'50.46"N, 51°33'33.12"E), 11.III.2010, swept, leg. R. Khodaparast; 18♂♂, Dadin (29°18'15.0"N, 51°51'48.0"E), 13.II.2010, swept, leg. R. Khodaparast; 2♂♂, Dadin (29°18'15.0"N, 51°51'48.0"E), 12.II.2010, swept, leg. R. Khodaparast; 13♀♀, 1♂, Borjesookhte (29°44'27"N, 51°33'26"E), 19.II.2010, swept, leg. R. Khodaparast; 1♂, 21♀♀, Kheirabad (29°39'57.33"N, 52°10'54.66"E), 13.II.2010, swept, leg. R. Khodaparast; 1♀, Kamarej (29°36'41"N, 51°28'55"E), 13.II.2010, swept, leg. R. Khodaparast; 10♀♀, Bidzard (29°19'51.96"N, 51°52'20.34"E), 22.III.2011, swept, leg. R. Khodaparast; 2♀♀, Bidzard (29°19'51.96"N, 51°52'20.34"E), 13.II.2011, swept, leg. R. Khodaparast; 2♀♀, Bidzard (29°19'51.96"N, 51°52'20.34"E), 15.II.2011, swept, leg. R. Khodaparast; 4♂♂, Jam Bozorgi (29°41'00"N, 51°35'38"E), 16.II.2010, swept, leg. R. Khodaparast; 1♀, Hasanabad Abkonar (29°36'31.4"N, 51°35'08.7"E), 21.III.2010, swept, leg. R. Khodaparast; 1♂, Famour (29°29'33"N, 51°53'46"E), 12.II.2010, swept, leg. R. Khodaparast; 1♀, Nurabad, Stadium Complex (30°07'10"N, 51°30'47"E), 22.III.2018, swept, leg. A. Monfared; 1♀, Nurabad, Mil Azhdaha (30°06'06"N, 51°27'17"E), 23.III.2018, swept, leg. A. Monfared; 1♀, Nurabad, Shaykhi (30°14'15"N, 51°26'32"E), 24.III.2018, swept, leg. A. Monfared; 3♀♀, Nurabad, Chamegol, Dareh Shirin (30°09'55.0"N, 51°22'17.2"E), 896 m, 2.IV.2018, swept, leg. S. Mahdi & R. Esfandiari; 1♀, Nurabad, Chamegol, Dareh Shirin (30°09'55.0"N, 51°22'17.2"E), 1.IV.2018, swept, leg. S. Mahdi & R. Esfandiari; 1♀, Nurabad, Ghandil (29°54'54.79"N, 51°34'15.73"E), 11.III.2010, swept, leg. A. Monfared; 1♂, Darab, Ghaleh Biyaban (28°31'46.0"N, 54°55'26.0"E), 18.III.2018, swept, leg. M. E. Keshavarz; 2♀♀, Darab, Ghaleh Biyaban (28°31'46.0"N, 54°55'26.0"E), 27.III.2018, swept, leg. M. E. Keshavarz; 1♂, Estahbaan, Mazraeh Sahraye Serish (29°10'43.49"N, 53°39'33.19"E), 17.III.2010, swept, leg. R. Khodaparast; 1♀, Estahbaan, Mazraeh Sahraye Serish (29°10'43.49"N, 53°39'33.19"E), 7.III.2012, swept, leg. A. Monfared; Khuzestan Province: 4♀♀, 1♂, Dezful, Rozgah (32°37'51.0"N, 48°32'34.0"E), 15.III.2017, swept, leg. A. Monfared; 6♀♀, Dezful, Rozgah (32°37'51.0"N, 48°32'34.0"E), 19.III.2017, swept, leg. A. Monfared; 1♂, 1♀, Dezful, Shahyoun Baghcheban (32°35'45"N, 48°32'57"E), 15.III.2017, swept, leg. A. Monfared; Yazd Province: 1♀, Kouche Talare Yazd (31°55'47"N, 54°18'23"E), 1.IV.2020, swept, leg. S. San; 1♀, Polisrahe Taft (31°48'20.0"N, 54°15'13.0"E), 12.III.2020, swept, leg. S. San; 2♀♀, 2♂♂, Mehriz, Baghdad Abad (31°34'44.0"N, 54°27'31.0"E), 29.III.2019, swept, leg. S. San; Kerman Province: 1♂, Roudbar (28°01'51.3"N, 57°59'29.0"E), 22.II.2010, swept, leg. S. Salehi; 1♀, Roudbar (28°00'51"N, 57°58'06"E), 23.II.2010, swept, leg. S. Salehi.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera fasciata Risch, 1999

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj, Vezg (30°32'31.0"N, 51°34'55.0"E), 18.V.2012, swept, leg. E. Spo; 1♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 27.VI.2009, swept, leg. A. Monfared; 2♀♀, Yasouj, Vezg (30°32'31.0"N, 51°34'55.0"E), 3.VI.2011, swept, leg. E. Spo; 2♂♂, Yasouj, Parikedan (30°34'19"N, 51°39'19"E), 19.V.2011, swept, leg. A. Monfared; Chaharmahal & Bakhtiari Province: 3♂♂, Kolvari (31°17'31"N, 51°13'53"E), 21.V.2015, swept, leg. A. Monfared & S. Gholami; 1♂, Kavanak (32°20'45.09"N, 50°24'15.42"E), 22.V.2015, swept, leg. A. Monfared & S. Gholami; Fars Province: 1♂, Sadra (29°48'53.99"N, 52°28'30.00"E), 3.V.2014, swept, leg. S. Kiani; 6♂♂, Khaarestan (30°38'23.16"N, 51°55'00.60"E), 12.V.2011, swept, leg. A. Monfared.

General distribution. Palaearctic (Risch 1999; Ascher & Pickering 2026); Iran (Risch 1999; Khodaparast & Monfared 2013).

Eucera ferghanica Morawitz, 1875

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Risch 2003, Levchenko et al. 2017a; Ghisbain et al. 2025).

Eucera gaullei Vachal, 1907

General distribution. Palaearctic (Risch 2003; Ascher & Pickering 2026); Iran (Risch 2003).

Eucera helvola Klug, 1845

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj, Sarabbid (30°04'03.2"N, 51°29'40.74"E), 30.IV.2010, swept, leg. A. Monfared; 1♂, Yasouj, Tange Tamoradi (30°30'06"N, 51°24'33"E), 10.V.2017, swept, leg. A. Monfared; 2♂♂, Yasouj, Tange Tamoradi (30°30'06"N, 51°24'33"E), 10.V.2017, swept, leg. A. Monfared; 1♂, Gachsaran, Bibihakimeh (30°02'36"N, 50°51'41"E), 3.III.2017, swept, leg. A. Monfared; 1♂, Shiraz–Yasouj Road, 15 km from Yasouj (30°14'10"N, 51°59'03"E), 20.V.2011, swept, leg. A. Monfared; 1♀, Sisakht (30°51'59.99"N, 51°26'59.99"E), 5.IV.2010, swept, leg. A. Monfared; Fars Province: 1♂, Mamasani, Stadium Complex (30°07'10"N, 51°30'47"E), 5.IV.2017, swept, leg. A. Monfared; 1♀, Mamasani, Doshmanziari, Abzalu (30°00'36"N, 51°48'54"E), 13.V.2017, swept, leg. A. Monfared; 1♂, Abadeh (31°09'39.00"N, 52°39'02.00"E), 14.V.2009, swept, leg. A. Monfared; Kerman Province: 1♀, Jiroft, Darbe Behesht (29°13'56"N, 57°18'55"E), 22.V.2010, swept, leg. S. Salehi.

General distribution. Palaearctic (Khodaparast & Monfared 2013); Iran (Khodaparast & Monfared 2013).

Eucera interrupta Baer, 1850 (Fig. 2D)

Material examined. 1♀, East Azerbaijan, Tabriz, Kandovan (37°47'41.34"N, 46°14'55.50"E), 2.VIII.2011, swept, leg.: A. Monfared & S. Gholami; 1♀, Chaharmahal & Bakhtiari, Kavanak (32°20'45.09"N, 50°24'15.42"E), 22.V.2019, swept, leg.: A. Monfared & S. Gholami; 1♀, Gilan, Heyran (38°24'39"N, 48°35'17"E), 28.V.2018, swept, leg.: A. Monfared & S. Gholami.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (**new record**).

Eucera kullenbergi Tkalců, 1984

General distribution. Palaearctic (Levchenko et al. 2017b; Ascher & Pickering 2026); Iran (Levchenko et al. 2017b).

Eucera latipes Risch, 1997 (Fig. 2E)

Material examined. Isfahan Province: 1♂, Semirom, Hormozabad (31°24'12.6"N, 51°34'08.8"E), 16.V.2019, swept, leg. S. Asadi; 1♂, Semirom, Hormozabad (31°24'12.6"N, 51°34'08.8"E), 23.V.2019, swept, leg. S. Asadi.

General distribution. Palaearctic (Risch 1997; Ascher & Pickering 2026); Iran (**new record**).

Eucera laxiscopa Alfken, 1935

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 19.V.2012, swept, leg. A. Hosseinpour; 9♀♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.V.2011, swept, leg. A. Hosseinpour; 1♀, Yasouj, Park Saheli (30°38'29"N, 51°36'23"E), 11.V.2012, swept, leg. T. Bavali; 1♀, Yasouj, Parikedan (30°34'19"N, 51°39'19"E), 19.V.2011, swept, leg. A. Monfared; 3♀♀, Yasouj, Sarabbid (30°04'03.2"N, 51°29'40.74"E), 6.V.2011, swept, leg. A. Monfared; 1♀, Yasouj (30°14'33.10"N, 51°59'32.70"E), 20.V.2009, swept, leg. A. Monfared; 1♀, Yasouj, Ghalaat (30°33'45.50"N, 51°41'23.08"E), 5.V.2011, swept, leg. A. Monfared; Fars Province: 4♀♀, Khaarestan (30°38'23.16"N, 51°55'00.60"E), 12.V.2011, swept, leg. A. Monfared; 1♂, Estahbaan, Mazraeh Sahraye Serish (29°10'43.49"N, 53°39'33.19"E), 17.III.2010, swept, leg. R. Khodaparast.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera longicornis (Linnaeus, 1758)

Material examined. Ardabil Province: 1♀, Fandoghlou, Telecabin (38°23'47.54"N, 48°32'36.42"E), 14.VI.2017, swept, leg. A. Monfared & S. Gholami; 1♂, Meshkinshahr, Moiel (38°16'28.51"N, 47°43'53.00"E), 18.VI.2019, swept, leg. A. Monfared & S. Gholami; Qazvin Province: 1♂, Verk (36°22'51.93"N, 50°41'19.61"E), 16.V.2019, swept, leg. A. Monfared & S. Gholami; 1♂, Verk & Vikan (36°22'31.43"N, 50°41'21.36"E), 15.V.2019, swept, leg. A. Monfared & S. Gholami.

General distribution. Palaearctic; Iran (Ascher & Pickering 2026).

Eucera microsoma Cockerell, 1922

Material examined. Fars Province: 1♀, Kazeroun, Shahrake Pardis (29°36'21"N, 51°41'47"E), 24.III.2010, swept, leg. R. Khodaparast.

General distribution. Palaearctic (Risch 2003; Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera monticola Risch, 2003(Fig. 2F)

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♀, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 23.V.2010, swept, leg. A. Monfared; 1♀, Yasouj, Aliabad (30°38'10"N, 51°35'54"E), 20.V.2011, swept, leg. A. Monfared; 2♀♀, Yasouj, Ghalaat (30°33'45.50"N, 51°41'23.08"E), 5.V.2011, swept, leg. A. Monfared; 3♀♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 21.IV.2018, swept, leg. A. Monfared; 1♀, Yasouj, Vezg (30°32'31.0"N, 51°34'55.0"E), 18.V.2012, swept, leg. A. Monfared; 2♀♀, Yasouj, Bidsardareh (30°51'03.77"N, 51°43'12.91"E), 20.VII.2018, swept, leg. A. Monfared.

General distribution. Palaearctic (Risch 2003; Ascher & Pickering 2026); Iran (**new record**).

Eucera nigrescens Pérez, 1879

Material examined. Gilan, 1♀, Heyran Village (38°24'39"N, 48°35'17" E), 28.V.2015, swept, leg.: A. Monfared & S. Gholami; Mazandaran, 2♂♂, Behshahr, Shahidabad (36°24'50.49"N, 52°32'18.79"E) 17.III.2019, swept, leg.: A. Monfared & S. Gholami; Mazandaran, 1♂, Tonekabon, Nezam Mahale & Mollahaji (36°42'27"N, 53°46'37"E), 16.III.2019, swept, leg.: A. Monfared & S. Gholami.

General distribution. Palaearctic (Grace 2010; Ascher & Pickering 2026); Iran (Grace 2010; Levchenko et al. 2017a).

Eucera nigrifacies Lepeletier, 1841

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♀, 3♂♂, Yasouj, Mahparvizi (30°30'08.9"N, 51°43'57.1"E), 12.III.2017, swept, leg. A. Monfared & MSc students; 1♂, Yasouj, Tol Khosro (30°36'34.7"N, 51°34'38.9"E), 25.VI.2017, swept, leg. S. Tarighat Pisheh; 2♀♀, 1♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.V.2011, swept, leg. A. Monfared; 1♂, Yasouj, Mahparvizi (30°30'08.9"N, 51°43'57.1"E), 6.III.2016, swept, leg. A. Monfared & MSc students; 1♀, 4♂♂, Yasouj, Mehriyan (30°41'56"N, 51°33'47"E), 6.III.2016, swept, leg. A. Monfared & MSc students; 4♂♂, Yasouj, Dashtroom (30°32'33.5"N, 51°33'31.6"E), 4.V.2016, swept, leg. M. Zamanpour; 1♀, Yasouj, Vezg (30°32'31.0"N, 51°34'55.0"E), 25.V.2016, swept, leg. A. Hamid; 4♂♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 28.IV.2011, swept, leg. A. Monfared; 1♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 21.IV.2017, swept, leg. A. Monfared; 4♀♀, 3♂♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 22.IV.2011, swept, leg. A. Monfared; 1♀, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 12.IV.2011, swept, leg. A. Monfared; 1♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 12.V.2011, swept, leg. A. Monfared; 1♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.V.2011, swept, leg. A. Hoseinpour; 1♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 19.V.2012, swept, leg. A. Monfared; Fars Province: 1♀, Sepidan (30°11'15"N, 52°03'13"E), 2.V.2014, swept, leg. S. Kiani; 3♂♂, Sepidan (30°11'15"N, 52°03'13"E), 16.V.2014, swept, leg. S. Kiani; 1♀, Shiraz (29°36'44"N, 52°34'47"E), 21.V.2014, swept, leg. S. Kiani; 3♂♂, Eqlid (30°53'00.78"N, 52°40'33.00"E), 23.IV.2010, swept, leg. A. Monfared; 1♂, Sepidan, Bahreghan (30°12'46.4"N, 52°00'56.2"E), 8.IV.2010, swept, leg. A. Monfared; 1♀, Nurabad, Doshmanzeyari

(30°00'36"N, 51°48'54"E), 21.IV.2010, swept, leg. A. Monfared; Ardabil Province: 1♂, Meshkinshahr, Moiel (38°16'28.51"N, 47°43'53.00"E), 18.VI.2018, swept, leg. A. Monfared & S. Gholami; Isfahan Province: 2♂♂, Semirom, Hormozabad (31°24'12.6"N, 51°34'08.8"E), 23.V.2019, swept, leg. S. Asadi; 1♂, Semirom, Maghsoodali (31°19'15.0"N, 51°27'16.0"E), 28.III.2018, swept, leg. S. Asadi; 12♀♀, 9♂♂, Fereydun Shahre, Dehsoor (32°53'12.8"N, 50°13'46.6"E), 24.V.2012, swept, leg. R. Khodarahmi; Chaharmahal & Bakhtiari Province: 1♂, Chelgerd (32°27'40.0"N, 50°06'56.0"E), 22.V.2015, swept, leg. A. Monfared & S. Gholami.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013; Khodarahmi Ghahnavieh & Monfared 2019).

Eucera nigrilabris Lepeletier, 1841

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♀, Yasouj-Shiraz (30°14'33.10"N, 51°59'32.70"E), 30.III.2009, swept, leg. A. Monfared; Isfahan Province: 1♀, Semirom, Akhoroom (31°23'37"N, 51°36'06"E), 13.V.2019, swept, leg. S. Asadi; Fars Province: 1♀, Kazeroun, Borjesookhte (29°44'27"N, 51°33'26"E), 19.III.2010, swept, leg. R. Khodaparast; 1♀, 1♂, Nurabad, Stadium Complex (30°07'10"N, 51°30'47"E), 25.III.2010, swept, leg. A. Monfared; 1♀, Nurabad, Khoumezar (30°00'10"N, 51°34'08"E), 11.III.2010, swept, leg. A. Monfared; 1♀, Nurabad, Zirdu (30°14'25.42"N, 51°25'42.89"E), 25.III.2010, swept, leg. A. Monfared; 1♀, Estahbaan, Mazraeh Sahraye Serish (29°10'43.49"N, 53°39'33.19"E), 17.III.2010, swept, leg. R. Khodaparast; 1♀, Kazeroun, Hasanabad Abkonar (29°36'39"N, 51°35'23"E), 21.III.2010, swept, leg. R. Khodaparast; 1♀, Estahbaan, Mazraeh Sahraye Serish (29°10'43.49"N, 53°39'33.19"E), 11.III.2010, swept, leg. R. Khodaparast; 1♀, Nurabad, Kheirabad (29°39'57.33"N, 52°10'54.66"E), 13.III.2010, swept, leg. R. Khodaparast; 1♂, Nurabad, Ghandil (29°54'54.79"N, 51°34'15.73"E), 11.III.2010, swept, leg. A. Monfared; 1♂, Kazeroun, Ghale Sefid (29°38'50.46"N, 51°33'33.12"E), 16.II.2010, swept, leg. R. Khodaparast; 1♂, Kazeroun, Ghale Sefid (29°38'50.46"N, 51°33'33.12"E), 15.II.2010, swept, leg. R. Khodaparast.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera nigripes Klug, 1845

Material examined. Ardabil Province: 2♀♀, 1♂, Meshkinshahr, Moiel (38°16'28.51"N, 47°43'53.00"E), 6.VIII.2006, swept, leg. A. Monfared & S. Gholami; 2♀♀, Meshkinshahr, Moiel (38°16'28.51"N, 47°43'53.00"E), 6.VI.2009, swept, leg. A. Monfared & S. Gholami; Chaharmahal & Bakhtiari Province: 5♂♂, Filabad, Farsan (32°18'19"N, 50°30'04"E), 22.V.2015, swept, leg. A. Monfared & S. Gholami.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (present study, Ascher & Pickering 2026 – specimen ID: AMNH_Bees 128659).

Eucera oreophila Risch, 2003

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♀, Yasouj, Vezg (30°32'31.0"N, 51°34'55.0"E), 18.V.2012, swept, leg. E. Spo; 1♀, Yasouj (30°14'33.10"N, 51°59'32.70"E), 2.V.2011, swept, leg. A. Monfared; 1♀, Yasouj (30°14'33.10"N, 51°59'32.70"E), 23.V.2019, swept, leg. A. Monfared; 2♀♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.V.2011, swept, leg. A. Monfared; Fars Province: 1♂, Shiraz (29°36'44"N, 52°34'47"E), 7.V.2011, swept, leg. A. Monfared; 1♀, Shiraz, Sadra (29°48'53.99"N, 52°28'30.00"E), 3.V.2014, swept, leg. S. Kiani.

General distribution. Palaearctic (Risch 2003; Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera palaestinae Friese, 1922

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj (30°14'33.10"N, 51°59'32.70"E), 22.VI.2017, swept, leg. A. Monfared; 1♂, Yasouj, Dashtroom (30°32'33.5"N, 51°33'31.6"E), 4.V.2016, swept, leg. A. Monfared; 1♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 21.IV.2017, swept, leg. A. Monfared; Chaharmahal & Bakhtiari Province: 1♂, Chelgerd (32°27'40"N, 50°06'56"E), 22.V.2015, swept, leg. A. Monfared & S. Gholami; Fars Province: 1♂, Nurabad, Zirdu, Tolekohne (30°14'20.21"N,

51°25'43.02"E), 31.III.2011, swept, leg. A. Monfared; 1♀, Ghirokarzin, Haidarabad (28°19'57.3"N, 52°40'07.9"E), 3.VII.2012, swept, leg. S. Flamarzi; 1♂, Nurabad, Jenjan (30°11'54.8"N, 51°28'27.4"E), 1.IV.2012, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013; It has been reported under the incorrect scientific name of *'E.* (*Hetereucera*) *palestinae'*; Khodaparast & Monfared 2013:333).

Eucera paraclypeata Sitdikov & Pesenko, 1988

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 21.IV.2017, swept, leg. A. Monfared; 11♀♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 19.V.2012, swept, leg. A. Monfared; 13♀♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.V.2011, swept, leg. A. Monfared; 3♀♀, Yasouj, Sarabbid (30°04'03.2"N, 51°29'40.74"E), 30.IV.2010, swept, leg. A. Monfared; 1♀, Yasouj, Aliabad (30°38'10"N, 51°35'54"E), 20.VII.2011, swept, leg. A. Monfared; 1♀, Yasouj, Aliabad (30°38'10"N, 51°35'54"E), 20.VII.2011, swept, leg. A. Monfared; Isfahan Province: 1♀, Dehaghan, Astaneh (31°49'57.42"N, 51°35'21.54"E), 4.VI.2013, swept, leg. R. Khodarahmi; 1♀, Khomeini Shahr (32°36'27"N, 51°31'26.4"E), 14.VI.2018, swept, leg. R. Khodarahmi; Chaharmahal & Bakhtiari Province: 1♀, Kavanak (32°20'45.09"N, 50°24'15.42"E), 22.V.2015, swept, leg. A. Monfared & S. Gholami.

General distribution. Palaearctic (Risch 2003; Ascher & Pickering 2026); Iran (Khodarahmi Ghahnavieh & Monfared 2019).

Eucera parnassia Pérez, 1902

Material examined. Khuzestan Province: 1♀, Dezful, Rozgah (32°37'51.0"N, 48°32'34.0"E), 15.III.2017, swept, leg. A. Monfared; Kohgiluyeh & Boyer-Ahmad Province: 1♀, Gachsaran (30°21'31.00"N, 50°47'53.00"E), 3.III.2011, swept, leg. A. Monfared; 1♂, Gachsaran (30°21'31.00"N, 50°47'53.00"E), 3.III.2011, swept, leg. A. Monfared; 1♂, Yasouj, Abshar (30°40'38"N, 51°37'47"E), 2.III.2011, swept, leg. A. Monfared; 3♀♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.V.2011, swept, leg. A. Monfared; 1♀, Yasouj, Sarabbid (30°04'03.2"N, 51°29'40.74"E), 5.V.2011, swept, leg. A. Monfared; Fars Province: 13♂♂, Kazeroun, Seifabad (29°21'34"N, 51°42'21"E), 11.II.2010, swept, leg. R. Khodaparast; 21♂♂, 1♀, Kazeroun, Ghale Sefid (29°38'50.46"N, 51°33'33.12"E), 15.II.2010, swept, leg. R. Khodaparast; 1♂, Kazeroun, Kacekan, Forodghah (29°35'58"N, 51°36'33"E), 2.II.2010, swept, leg. R. Khodaparast; 1♂, Kazeroun, Ghale Sefid (29°38'50.46"N, 51°33'33.12"E), 19.II.2010, swept, leg. R. Khodaparast; 4♂♂, Kazeroun, Jam Bozorgi (29°41'00"N, 51°35'38"E), 16.II.2010, swept, leg. R. Khodaparast; 1♂, Kazeroun, Seifabad (29°21'34"N, 51°42'21"E), 10.II.2010, swept, leg. R. Khodaparast; 1♂, 1♀, Estahbaan, Mazraeh Sahraye Serish (29°10'43.49"N, 53°39'33.19"E), 17.III.2010, swept, leg. R. Khodaparast; 4♀♀, Kazeroun, Borjesookhte (29°44'27"N, 51°33'26"E), 19.III.2010, swept, leg. R. Khodaparast; 2♀♀, Nurabad, Zirdu Tolekohne (30°14'20.21"N, 51°25'43.02"E), 31.III.2011, swept, leg. A. Monfared; 1♂, Kazeroun, Dadin (29°18'15.0"N, 51°51'48.0"E), 13.II.2010, swept, leg. R. Khodaparast; 3♀♀, Kazeroun, Kheirabad (29°39'57.33"N, 52°10'54.66"E), 13.III.2010, swept, leg. R. Khodaparast; 1♀, Nurabad, Khoumezar (30°00'10"N, 51°34'08"E), 11.III.2010, swept, leg. A. Monfared; 1♀, Kazeroun, Hasanabad Abkonar (29°36'39"N, 51°35'23"E), 21.III.2010, swept, leg. R. Khodaparast; 1♀, Kazeroun, Bidzard (29°19'51.96"N, 51°52'20.34"E), 22.III.2011, swept, leg. R. Khodaparast; 1♀, Shiraz (29°36'44"N, 52°34'47"E), 4.VI.2012, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera pollinosa Smith 1854

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj (30°14'33.10"N, 51°59'32.70"E), 30.IV.2017, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Popov 1967; Khodaparast & Monfared 2013; Levchenko et al. 2017a; Ascher & Pickering 2026 – specimen ID: AMNH_Bees 127731).

Eucera seminuda Brullé, 1833 (Fig. 2G)

Material examined. Qazvin Province: 2♀♀, 1♂, Verk (36°22'51.93"N, 50°41'19.61"E), 16.V.2019, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (**new record**).

Eucera proxima Morawitz, 1875

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 5♀♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 19.V.2012, swept, leg. B. Dianati; 6♀♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.V.2011, swept, leg. B. Dianati; 1♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 14.II.2011, swept, leg. A. Monfared; 1♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 12.V.2011, swept, leg. A. Monfared; 2♀♀, Yasouj, Shiraz–Yasouj Road (15 km from Yasouj) (30°14'10"N, 51°59'03"E), 20.V.2011, swept, leg. A. Monfared; 4♂♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 12.V.2011, swept, leg. A. Monfared; 2♂♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.V.2011, swept, leg. A. Hoseinpour; 1♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 19.V.2012, swept, leg. A. Hoseinpour; 1♀, Yasouj, Ghalaat (30°33'45.50"N, 51°41'23.08"E), 5.V.2011, swept, leg. A. Monfared; Qazvin Province: 1♂, 1♀, Verk (36°22'51.93"N, 50°41'19.61"E), 16.V.2019, swept, leg. A. Monfared & S. Gholami; 1♀, Verk & Vikan (36°22'31.43"N, 50°41'21.36"E), 4.VI.2018, swept, leg. A. Monfared & S. Gholami; Isfahan Province: 1♂, Semirom, Hormozabad (31°24'12.6"N, 51°34'08.8"E), 16.V.2019, swept, leg. S. Asadi; 1♂, Semirom, Hormozabad (31°24'12.6"N, 51°34'08.8"E), 23.V.2019, swept, leg. S. Asadi; Chaharmahal & Bakhtiari Province: 1♂, Kavanak (32°20'45.09"N, 50°24'15.42"E), 22.V.2015, swept, leg. A. Monfared & S. Gholami; Fars Province: 2♂♂, 1♀, Khaarestan (30°38'23.16"N, 51°55'00.60"E), 12.V.2011, swept, leg. A. Monfared; 2♂♂, Abadeh (31°09'39.00"N, 52°39'02.00"E), 14.V.2009, swept, leg. A. Monfared; 1♂, Kazeroun, Hasanabad Abkonar (29°36'39"N, 51°35'23"E), 21.III.2010, swept, leg. R. Khodaparast.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera pseudeucnemidea Risch, 1997

General distribution. Palaearctic (Risch 1997); Iran (Risch 1997).

Eucera serraticornis Risch, 1999 (Fig. 2H)

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj, Mahparvizi (30°30'19"N, 51°41'44"E), 12.III.2016, swept, leg. A. Monfared & MSc students; 1♀, Yasouj, Mehriyan (30°41'56"N, 51°33'47"E), 6.III.2016, swept, leg. A. Monfared & MSc students; Qazvin Province: 1♂, Verk & Vikan (36°22'31.43"N, 50°41'21.36"E), 15.V.2019, swept, leg. A. Monfared & A. Beheshti; 1♀, Moalem Kelayeh (36°28'00.30"N, 50°29'32.54"E), 10.V.2012, swept, leg. A. Monfared & A. Beheshti.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (**new record**).

Eucera sociabilis Smith, 1873 (Fig. 2I)

Material examined. Fars Province: 1♀, Kazeroun, Borjesookhte (29°44'27"N, 51°33'26"E), 19.III.2010, swept, leg. R. Khodaparast.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (**new record**).

Eucera sogdiana Morawitz, 1875

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 19.VI.2011, swept, leg. A. Hosseinpour; 1♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.VI.2011, swept, leg. A. Hosseinpour; 1♂, Yasouj (30°14'33.10"N, 51°59'32.70"E), 7.V.2012, swept, leg. A. Monfared; 3♀♀, Yasouj, Chitab (30°47'41"N, 51°19'32"E), 1.VIII.2019, swept, leg. E. Rostami; 1♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 17.VI.2018, swept, leg. E. Rostami; 1♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 16.V.2011, swept, leg. S. Hosseinzade; 1♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.V.2011, swept, leg. A. Monfared; 1♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 10.IV.2018, swept, leg. A. Monfared; Bushehr Province: 1♀, Chakuta, Polisrah Otuban (29°03'44.4"N,

51°06'32.5"E), 13.IV.2018, swept, leg. A. Monfared; Fars Province: 1♂, Shiraz, Zangeneh (29°45'32.78"N, 51°58'25.39"E), 22.IV.2011, swept, leg. R. Khodaparast.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera spinipes Risch, 2003

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 102♀♀, 2♂♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 6.V.2011, swept, leg. A. Monfared; 2♀♀, Yasouj, Khomainiabad (30°49'20"N, 51°23'11"E), 21.IV.2017, swept, leg. A. Monfared; 1♂, Yasouj (30°14'33.10"N, 51°59'32.70"E), 7.V.2012, swept, leg. A. Arsalannia; 2♀♀, Yasouj, Sarabbid (30°04'03.2"N, 51°29'40.74"E), 6.V.2012, swept, leg. A. Monfared; 1♀, 1♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 19.VI.2011, swept, leg. A. Monfared; 1♂, Yasouj, Zirtol University (30°39'16"N, 51°35'14"E), 30.III.2010, swept, leg. A. Monfared; 1♀, Yasouj (30°14'33.10"N, 51°59'32.70"E), 10.V.2011, swept, leg. A. Monfared; 1♀, Yasouj, Sarabbid (30°04'03.2"N, 51°29'40.74"E), 30.IV.2010, swept, leg. A. Monfared; 1♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 21.IV.2017, swept, leg. A. Monfared; 1♀, Yasouj, Dashtroom (30°32'33.5"N, 51°33'31.6"E), 23.VI.2017, swept, leg. A. Monfared; 1♀, Yasouj, Naregah (30°36'56.882"N, 51°33'57.428"E), 13.VI.2018, swept, leg. A. Monfared; 1♀, Yasouj, Mazekharide Village (30°38'19"N, 51°31'06"E), 16.VI.2017, swept, leg. A. Monfared; 1♀, Yasouj, Ghalaat (30°33'45.50"N, 51°41'23.08"E), 5.V.2011, swept, leg. A. Monfared; 1♀, Yasouj, Park Jangali (30°41'19.0"N, 51°36'52.0"E), 10.VII.2018, swept, leg. A. Monfared; Fars Province: 1♀, 1♂, Nurabad, Zirdu, Murikash (30°16'45.70"N, 51°23'47.48"E), 2.IV.2017, swept, leg. A. Monfared; 1♀, 1♂, Darab, Qale Biaban (28°31'46.0"N, 54°55'26.0"E), 27.III.2018, swept, leg. M. E. Keshavarz; 1♂, Estahbaan, Mazraeh Sahraye Serish (29°10'43.49"N, 53°39'33.19"E), 17.III.2010, swept, leg. R. Khodaparast; 1♂, Shiraz (29°36'44"N, 52°34'47"E), 7.V.2011, swept, leg. A. Monfared; 2♂♂, Nurabad, Jenjan (30°11'54.8"N, 51°28'27.4"E), 1.IV.2011, swept, leg. A. Monfared; 1♂, Kazeroun, Hasanabad Abkonar (29°36'39"N, 51°35'23"E), 21.III.2010, swept, leg. R. Khodaparast; 2♀♀, Nurabad (30°08'03"N, 51°32'12"E), 2.IV.2010, swept, leg. A. Monfared; 1♀, Khaarestan (30°38'23.16"N, 51°55'00.60"E), 12.V.2011, swept, leg. A. Monfared; 1♂, Nurabad, Zirdu, Tolekohneh (30°14'20.21"N, 51°25'43.02"E), 31.III.2011, swept, leg. A. Monfared; 1♀, Kazeroun, Davan (29°40'15.90"N, 51°40'50.16"E), 22.III.2010, swept, leg. R. Khodaparast; 1♀, Kazeroun, Borjesookhte (29°44'27"N, 51°33'26"E), 19.III.2010, swept, leg. R. Khodaparast; 1♀, Shiraz, Eram (29°38'09.35"N, 52°31'32.33"E), 7.IV.2010, swept, leg. A. Monfared; 1♂, Shiraz (29°36'44"N, 52°34'47"E), 7.V.2011, swept, leg. A. Monfared; 1♀, Firozabad (28°51'32"N, 52°32'11"E), 29.III.2010, swept, leg. A. Monfared; 1♂, Neiriz (29°12'30.8"N, 54°06'36.5"E), 7.III.2012, swept, leg. A. Monfared; Isfahan Province: 1♀, Chaman Khah (32°38'47.7"N, 51°36'16.6"E), 7.VI.2016, swept, leg. R. Khodarahmi; 1♀, Khomeini Shahr (32°36'27"N, 51°31'26.4"E), 7.VI.2016, swept, leg. R. Khodarahmi; Qazvin Province: 1♀, Vikan (36°22'31.43"N, 50°41'21.36"E), 10.V.2012, swept, leg. A. Monfared & S. Gholami; Chaharmahal & Bakhtiari Province: 2♀♀, Farsan, Filabad (32°18'19"N, 50°30'04"E), 22.V.2017, swept, leg. A. Monfared & S. Gholami.

General distribution. Palaearctic (Risch 2003; Ascher & Pickering 2026); Iran (Risch 2003; Khodaparast & Monfared 2013).

Eucera squamosa Lepeletier, 1841

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 2♀♀, 2♂♂, Yasouj, Dashtroom (30°32'33.5"N, 51°33'31.6"E), 24.VI.2017, swept, leg. A. Monfared; 1♀, 1♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 24.VII.2009, swept, leg. A. Monfared; 1♂, Yasouj (30°14'33.10"N, 51°59'32.70"E), 11.IV.2009, swept, leg. A. Monfared; 1♂, Yasouj, Mokhtar (30°40'39.0"N, 51°31'28.0"E), 3.V.2018, swept, leg. A. Monfared & MSc students; 1♂, Yasouj, Naregah (30°36'56.882"N, 51°33'57.428"E), 17.VI.2018, swept, leg. F. Aghaei; 1♀, Yasouj, Mazekharide Village (30°38'19"N, 51°31'06"E), 28.VI.2017, swept, leg. A. Monfared; 1♂, Yasouj, Dashtroom (30°32'33.5"N, 51°33'31.6"E), 26.VI.2017, swept, leg. A. Monfared; 1♂, Yasouj, Naregah (30°36'56.882"N, 51°33'57.428"E), 13.VI.2018, swept, leg. F. Aghaei; 2♂♂, Yasouj, Aliabad (30°38'10"N, 51°35'54"E), 3.VI.2017, swept, leg. Z. Mousavi; 1♀, Yasouj, Dashtroom (30°32'33.5"N, 51°33'31.6"E), 23.VI.2017, swept, leg. M. Abdi; Isfahan Province: 1♀, Semirom (31°24'53.1"N, 51°34'45.2"E), 26.VI.2009, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodarahmi Ghahnavieh & Monfared 2019).

Eucera syriaca Dalla Torre, 1896

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 9♂♂, Yasouj, Aliabad (30°38'10"N, 51°35'54"E), 20.V.2011, swept, leg. H. Elahi & M. Mosavian; 2♂♂, Yasouj, Aliabad (30°38'10"N, 51°35'54"E), 24.V.2011, swept, leg. H. Elahi & M. Mosavian; 1♂, Yasouj, Sarabbid (30°04'03.2"N, 51°29'40.74"E), 30.IV.2010, swept, leg. A. Monfared; 1♂, Yasouj, Tange Tamoradi (30°30'06"N, 51°24'33"E), 10.V.2017, swept, leg. A. Monfared; 1♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 21.IV.2017, swept, leg. A. Monfared; 1♂, Gachsaran, Bibihakimeh (30°02'36"N, 50°51'41"E), 30.III.2017, swept, leg. A. Monfared; 2♀♀, 4♂♂, Yasouj, Semeron (30°54'55.0"N, 51°17'37.0"E), 25.I.2019, swept, leg. F. Peyravi; 2♀♀, 10♂♂, Yasouj, Semeron (30°54'55.0"N, 51°17'37.0"E), 2.V.2019, swept, leg. S. Shahbazi; 1♂, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 14.IV.2018, swept, leg. A. Monfared; 4♂♂, Yasouj (30°14'33.10"N, 51°59'32.70"E), 30.V.2011, swept, leg. A. Monfared; 7♂♂, Yasouj, Aliabad (30°38'10"N, 51°35'54"E), 24.V.2011, swept, leg. A. Monfared; 1♂, Yasouj, Aliabad (30°38'10"N, 51°35'54"E), 20.V.2011, swept, leg. A. Monfared; 1♀, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 14.II.2011, swept, leg. A. Monfared; 3♂♂, Yasouj (30°14'33.10"N, 51°59'32.70"E), 30.V.2011, swept, leg. A. Monfared; 190♀♀, Yasouj, Semeron (30°54'55.0"N, 51°17'37.0"E), 2.V.2019, swept, leg. N. Tayebi; 3♀♀, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 24.V.2017, swept, leg. A. Monfared; 172♀♀, Sisakht, Koohgol (30°51'03.9"N, 51°31'17.1"E), 15.VI.2018, swept, leg. A. Monfared; 1♀, Yasouj (30°14'33.10"N, 51°59'32.70"E), 30.IV.2012, swept, leg. A. Monfared; 1♀, Yasouj, Park Jangali (30°41'19.0"N, 51°36'52.0"E), 23.VI.2018, swept, leg. S. Dowlatkhah; 1♀, Yasouj, Park Velayat (30°39'03"N, 51°36'01"E), 15.VI.2018, swept, leg. M. Nazari; 2♀♀, Yasouj, Naregah (30°36'56.882"N, 51°33'57.428"E), 13.VI.2018, swept, leg. F. Peyravi; Fars Province: 16♀♀, Kazeroun, Shahrake Pardis (29°36'21"N, 51°41'47"E), 24.III.2010, swept, leg. R. Khodaparast; 1♀, 3♂♂, Nurabad (30°08'03"N, 51°32'12"E), 23.III.2010, swept, leg. A. Monfared; 2♂♂, Kazeroun, Kheirabad (29°39'57.33"N, 52°10'54.66"E), 13.III.2010, swept, leg. R. Khodaparast; 1♀, 1♂, Kazeroun, Ghaemieh (29°50'52"N, 51°36'43"E), 24.III.2010, swept, leg. R. Khodaparast; 1♀, 1♂, Kazeroun, Hasanabad Abkonar (29°36'39"N, 51°35'23"E), 21.III.2010, swept, leg. R. Khodaparast; 1♂, Kazeroun, Borjesookhte (29°44'27"N, 51°33'26"E), 19.III.2010, swept, leg. R. Khodaparast; 1♂, Abadeh (31°09'39.00"N, 52°39'02.00"E), 14.V.2011, swept, leg. A. Monfared; 1♂, Kazeroun, Davan (29°40'15.90"N, 51°40'50.16"E), 22.III.2010, swept, leg. R. Khodaparast; 1♂, Kazeroun, Ganjee (29°48'44.78"N, 51°34'10.44"E), 11.III.2010, swept, leg. R. Khodaparast; 2♀♀, Lar, Juyom (28°15'37"N, 53°59'45"E), 22.IV.2012, swept, leg. A. Monfared; 1♂, Neiriz (29°12'30.8"N, 54°06'36.5"E), 7.III.2012, swept, leg. A. Monfared; 1♀, Kazeroun, Bidzard (29°19'51.96"N, 51°52'20.34"E), 19.V.2010, swept, leg. R. Khodaparast; 1♀, Shiraz, Sadra (29°48'53.99"N, 52°28'30.00"E), 3.V.2014, swept, leg. S. Kiani; 1♀, Sepidan (30°11'15"N, 52°03'13"E), 8.VII.2016, swept, leg. S. Kiani; Isfahan Province: 3♂♂, Mehdiabad (32°29'56.94"N, 51°49'15.66"E), 23.V.2012, swept, leg. A. Monfared; 1♀, Shareza, Jarm Afshar (32°04'06"N, 51°54'37"E), 30.IV.2012, swept, leg. N. Khoshnazar.

General distribution. Palaearctic (Dorchin 2023; Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013; Khodarahmi Ghahnavieh & Monfared 2019).

Eucera taurica Morawitz, 1870

General distribution. Palaearctic (Dorchin 2023; Ascher & Pickering 2026); Iran (Levchenko et al. 2017a, Ascher & Pickering 2026 – specimen ID: AMNH_Bees 128876).

Eucera terminata Pérez, 1895

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 2♀♀, Gachsaran, Dil (30°32'56"N, 50°45'33"E), 4.V.2016, swept, leg. M. Zamanpour.

General distribution. Palaearctic (Dorchin 2023; Iran (present study).

Remarks. Although Ascher and Pickering (2026) list Iran within the distribution of *Eucera terminata*, no supporting primary reference was identified. The specimens examined in the present study provide a documented occurrence record from Gachsaran, southwestern Iran.

Eucera tibialis Morawitz, 1875

Material examined. Chaharmahal & Bakhtiari Province: 1♂, Teshniz, Shahrekord (32°04'21"N, 50°47'54"E),

21.IV.2017, swept, leg. S. Nazari; Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 21.IV.2017, swept, leg. A. Monfared.

General distribution. Palaearctic (Risch 1997; Ascher & Pickering 2026). Iran (Present study).

Remarks. Although Ascher and Pickering (2026) list Iran within the distribution of *Eucera tibialis* Morawitz, 1875, no supporting primary reference was identified. The specimens examined in the present study provide a documented occurrence record from Chaharmahal & Bakhtiari and Kohgiluyeh & Boyer-Ahmad Provinces.

Subgenus *Synhalonia* Patton, 1879

Eucera alborufa (Radoszkowski, 1871)

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Levchenko et al. 2017a; Ascher & Pickering 2026 – specimen ID: AMNH_Bees 129030).

Eucera distinguenda (Morawitz, 1875)

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Popov 1967; Khodaparast & Monfared 2013; Ascher & Pickering 2026 – specimen ID: AMNH_Bees 129072).

Eucera hungarica Friese, 1895 (Fig. 2C)

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♂, Dehdasht, Lendeh (30°58'13.1"N, 50°24'03.9"E), 31.III.2016, swept, leg. E. Azadeh; 1♂, Yasouj, Bid Sardareh (30°39'19.4"N, 51°37'59.8"E), 20.V.2011, swept, leg. M. Ahmadi; 5♀♀, 1♂, Yasouj, Shiraz–Yasouj Road, 15 km from Yasouj (30°14'10"N, 51°59'03"E), 20.V.2011, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (**new record**).

Eucera intermedia (Morawitz, 1875)

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Popov 1967).

Eucera lanuginosa Klug, 1845

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Ascher & Pickering 2026 –specimen ID: AMNH_Bees 129140).

Eucera melectoides (Radoszkowski, 1893)

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 2♀♀, Yasouj, Vezg (30°32'31.0"N, 51°34'55.0"E), 18.III.2010, swept, leg. H. Elahi & M. Mosavian; 1♀, Yasouj (30°14'33.10"N, 51°59'32.70"E), 12.III.2009, swept, leg. A. Monfared; 1♀, Yasouj (30°14'33.10"N, 51°59'32.70"E), 22.IV.2009, swept, leg. A. Monfared; 2♂♂, Yasouj, Abshar (30°40'38"N, 51°37'47"E), 2.III.2011, swept, leg. A. Monfared; 1♂, Yasouj, Abshar (30°40'38"N, 51°37'47"E), 8.III.2011, swept, leg. A. Monfared; 1♀, Yasouj, Sarchenar (30°52'27"N, 51°08'09"E), 19.V.2011, swept, leg. A. Monfared; 1♂, Yasouj, Tange Tamoradi (30°30'06"N, 51°24'33"E), 10.V.2017, swept, leg. A. Monfared; 1♀, Yasouj, Gerdo Kangak (30°30'13"N, 51°44'41"E), 4.IV.2015, swept, leg. S. H. Hosseinzade; Isfahan Province: 1♀, Semirom, Semirom Road, Lahjaru (31°25'02.8"N, 51°36'22.6"E), 30.III.2018, swept, leg. S. Asadi; 2♀♀, 2♂♂, Semirom, Vardasht (31°31'57.0"N, 51°35'28.0"E), 3.V.2019, swept, leg. S. Asadi; 1♂, Semirom, Hormozabad (31°24'12.6"N, 51°34'08.8"E), 3.V.2019, swept, leg. S. Asadi; 1♀, Semirom, Bibiseydan (31°10'48"N, 51°26'54"E), 1.V.2019, swept, leg. S. Asadi; Chaharmahal & Bakhtiari Province: 1♀, Kavanak (32°20'45.09"N, 50°24'15.42"E), 22.V.2015, swept, leg. A. Monfared & S. Gholami; Yazd Province: 1♂, Khezrabad, Ebtedaye Zorband (31°49'03.3"N, 54°00'22.8"E), 9.III.2020, swept, leg. S. San; 1♂, Ghadamgah, Dehbala (31°38'45"N, 54°09'34"E), 12.III.2020, swept, leg. S. San; 2♂♂, Sakhvid, Mazrae Khosro (31°29'53.15"N, 54°02'23.80"E), 27.III.2019, swept, leg. S. San; 1♀, Shahne Village, Zorband (31°51'49.42"N, 54°16'06.41"E), 23.III.2019, swept, leg. S. San; Fars Province: 1♂, Nurabad, Zirdu, Tole Kohneh (30°14'20.21"N, 51°25'43.02"E), 24.III.2018, swept, leg. A. Monfared; 3♀♀, Kazeroun, Kheirabad (29°39'57.33"N, 52°10'54.66"E), 13.III.2010, swept, leg. R. Khodaparast; 1♀,

Kazeroun, Borjesookhte (29°44'27"N, 51°33'26"E), 19.III.2010, swept, leg. R. Khodaparast; 2♀♀, Nurabad, Khoumezar (30°00'10"N, 51°34'08"E), 11.III.2010, swept, leg. A. Monfared; 4♀♀, Nurabad, Ghandil (29°54'54.79"N, 51°34'15.73"E), 11.III.2010, swept, leg. A. Monfared; 1♀, Kazeroun, Shahrake Pardis (29°36'21"N, 51°41'47"E), 24.III.2010, swept, leg. R. Khodaparast; 1♀, Marvdasht (29°53'05"N, 52°46'43"E), 23.IV.2010, swept, leg. A. Monfared; Kerman Province: 3♀♀, Jiroft, Sarbijan (29°06'43.92"N, 57°32'20.04"E), 27.III.2010, swept, leg. S. Salehi; 1♀, Jiroft, Sarbijan (29°06'43.92"N, 57°32'20.04"E), 30.III.2010, swept, leg. S. Salehi.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera plumigera Kohl, 1905

Material examined. Mazandaran Province: 1♀, Damavand, Polour (35°50'49.89"N, 52°02'52.90"E), 28.V.2019, swept, leg. A. Monfared & S. Gholami; Fars Province: 1♀, Arsanjan, Pierbasapha (29°55'28"N, 53°18'07"E), 7.V.2010, swept, leg. R. Khodaparast; 1♂, Nurabad, Jenjan (30°11'54.8"N, 51°28'27.4"E), 1.IV.2011, swept, leg. A. Monfared; 2♂♂, Nurabad, Dalan (30°06'13.78"N, 51°36'59.69"E), 2.IV.2010, swept, leg. A. Monfared; Kerman Province: 1♂, Jiroft, Darbe Behesht (29°13'56"N, 57°18'55"E), 30.IV.2010, swept, leg. S. Salehi; Chaharmahal & Bakhtiari Province: 1♀, Farsan, Filabad (32°18'19"N, 50°30'04"E), 22.V.2015, swept, leg. A. Monfared & S. Gholami.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera rufa (Lepeletier, 1841)

Material examined. Qazvin Province: 1♂, Verk & Vikan (36°22'31.43"N, 50°41'21.36"E), 4.VI.2018, swept, leg. A. Monfared & S. Gholami; 8♂♂, Verk (36°22'51.93"N, 50°41'19.61"E), 16.V.2019, swept, leg. A. Monfared & S. Gholami; Fars Province: 1♀, Nurabad, Chamegol, Dareh Shirin (30°07'53"N, 51°24'02"E), 22.III.2018, swept, leg. S. Mahdi & R. Esfandiari; 1♀, Nurabad, Chamegol, Dareh Shirin (30°07'53"N, 51°24'02"E), 31.III.2018, swept, leg. S. Mahdi & R. Esfandiari.

General distribution. Palaearctic (Dorchin 2023; Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Eucera ruficollis (Brullé, 1833)

General distribution. Palaearctic (Levchenko et al. 2017a); Iran (Levchenko et al. 2017a).

Eucera spectabilis (Morawitz, 1875)

Material examined. Sistan & Balochestan Province: 1♂, Zabol (31°01'43.00"N, 61°30'04.00"E), 11.IV.2010, swept, leg. M. Soraya; Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj (30°14'33.10"N, 51°59'32.70"E), 20.IV.2009, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013; Ascher & Pickering 2026).

Eucera tricincta Erichson, 1835

Material examined. Isfahan Province: 1♂, Shahreza, Pasdaran (31°59'53.9"N, 51°50'17.5"E), 18.IV.2019, swept, leg. M. Taki; 1♂, Shahreza, Pasdaran (31°59'53.9"N, 51°50'17.5"E), 19.IV.2019, swept, leg. M. Taki; 5♂♂, 1♀, Shahreza, Jarm Afshar (32°04'06"N, 51°54'37"E), 30.IV.2012, swept, leg. N. Khoshnazar; 2♀♀, Shahreza, Pasdaran (31°59'53.9"N, 51°50'17.5"E), 17.IV.2019, swept, leg. M. Taki; Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj (30°14'33.10"N, 51°59'32.70"E), 25.V.2009, swept, leg. A. Monfared; Fars Province: 1♀, Shiraz, Sadra (29°48'53.99"N, 52°28'30.00"E), 18.V.2014, swept, leg. S. Kiani; 1♂, Shiraz (29°36'44"N, 52°34'47"E), 28.V.2014, swept, leg. S. Kiani; 1♀, Shiraz, Jannat (29°36'45"N, 52°28'28"E), 17.IV.2012, swept, leg. A. Keshtkar; 2♀♀, Fasa, Ghiasabad (28°51'53.9"N, 53°45'41.3"E), 2.V.2018, swept, leg. H. Baniabdollah; 2♀♀, Fasa, Ghiasabad (28°51'53.9"N, 53°45'41.3"E), 3.V.2018, swept, leg. H. Baniabdollah; 1♀, Marvdasht (29°53'05"N, 52°46'43"E), 8.VI.2018, swept, leg. A. Monfared.

General distribution. Palaearctic (Dorchin 2023; Ascher & Pickering 2026); Iran (Tavakkoli Corghand et al. 2010; Khodaparast & Monfared 2013).

Eucera turcomannica (Morawitz, 1880)

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Popov 1967; Khodaparast & Monfared 2013; Levchenko et al. 2017a).

Eucera vernalis (Morawitz, 1875)

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Ascher & Pickering 2026 – specimen ID: AMNH_KSEM940783: Mazandaran, Kojur).

Genus *Tetralonia* Spinola, 1838

Tetralonia dentata (Klug, 1839)

Material examined. Isfahan Province: 4♀♀, Shahreza, Jarm Afshar (32°04'06"N, 51°54'37"E), 30.IV.2012, swept, leg. N. Khoshnazar; Fars Province: 1♀, Kazeroun, Ghale Sefid (29°38'50.46"N, 51°33'33.12"E), 5.VII.2013, swept, leg. R. Khodaparast.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Tetralonia epilobii Dorchin, 2024

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 3♂♂, Yasouj, Chitab (30°47'41"N, 51°19'32"E), 6.VIII.2019, swept, leg. T. Hosseini; 3♀♀, 1♂, Yasouj, Ganjei (30°45'43"N, 51°21'29"E), 16.VIII.2016, swept, leg. F. Malek Hosseini; 1♀, 1♂, Yasouj University (30°39'16"N, 51°35'14"E), 28.VII.2016, swept, leg. F. Rajaee; 1♂, Yasouj University (30°39'16"N, 51°35'14"E), 27.VII.2016, swept, leg. Z. Alizadeh; 2♂♂, Yasouj University (30°39'16"N, 51°35'14"E), 25.VIII.2016, swept, leg. Z. Najafi; 3♀♀, 2♂♂, Yasouj, Chitab (30°47'41"N, 51°19'32"E), 22.VIII.2019, swept, leg. N. Razmjoo; 2♀♀, 1♂, Sisakht, Cheshmeh Mishi (30°51'46"N, 51°29'14"E), 1.VIII.2016, swept, leg. S. Gholami; 1♀, Sisakht, Cheshmeh Mishi (30°51'46"N, 51°29'14"E), 28.VIII.2016, swept, leg. Z. Rahimi; 2♂♂, Yasouj, Mokhtar (30°40'39.0"N, 51°31'28.0"E), 30.V.2018, swept, leg. Z. Rahimi; Fars Province: 56♀♀, 1♂, Eqlid (30°53'00.78"N, 52°40'33.00"E), 3.VIII.2010, swept, leg. R. Khodaparast; 11♀♀, 1♂, Sepidan (30°11'15"N, 52°03'13"E), 4.VIII.2010, swept, leg. A. Monfared.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Dorchin & Michez 2024).

Tetralonia fuliginosa Morawitz, 1886

General distribution. Palaearctic (Ascher & Pickering 2026);

Remarks. Although Ascher and Pickering (2026) list Iran within the distribution of *Tetralonia fuliginosa* Morawitz, 1886, no supporting primary reference was identified.

Tetralonia fulvicornis Morawitz, 1895

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♀, 3♂♂, Yasouj, Tange Serriz (30°46'45"N, 51°27'19"E), 21.VI.2018, swept, leg. A. Monfared; 1♀, Yasouj, Tange Serriz (30°46'45"N, 51°27'19"E), 27.VI.2018, swept, leg. A. Monfared; 1♀, Yasouj, Zirtol, Yasouj University (30°39'16"N, 51°35'14"E), 26.V.2018, swept, leg. P. Asadi; 1♀, Yasouj, Kakan (30°45'03.12"N, 52°03'04.32"E), 24.VII.2009, swept, leg. A. Monfared; 1♂, Yasouj, Zirtol, Yasouj University (30°39'16"N, 51°35'14"E), 26.V.2018, swept, leg. F. Afrasiabi; Fars Province: 1♀, Kazeroun, Bidzard (29°19'51.96"N, 51°52'20.34"E), 4.VI.2010, swept, leg. R. Khodaparast; 1♀, Ghirokarzin (28°20'26"N, 52°58'02"E), 15.VI.2012, swept, leg. S. Flamarzi; Kerman Province: 1♀, Kahnouj (27°58'47"N, 57°42'44"E), 28.IV.2010, swept, leg. S. Salehi; Isfahan Province: 1♂, Semirom, Hormozabad (31°24'12.6"N, 51°34'08.8"E), 27.VI.2018, swept, leg. S. Asadi.

General distribution. Palaearctic (Khodaparast & Monfared 2013; Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Tetralonia glauca (Fabricius, 1775)

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 1♀, Yasouj (30°14'33.10"N, 51°59'32.70"E), 24.V.2017, swept, leg. F. Arajpour; 1♂, Yasouj, Park Jangali (30°41'19.0"N, 51°36'52.0"E), 6.VII.2018, swept, leg. A. Monfared & M. Bagheripor; 2♀♀, Yasouj, Masoomabad (30°39'54"N, 51°35'40"E), 24.V.2018, swept, leg. Z. Hedayati; 1♂, Yasouj, Park Vellayat (30°39'03"N, 51°36'01"E), 17.VI.2018, swept, leg. A.

Poshtyar; 3♀♀, Yasouj, Aliabad (30˚38'10"N, 51˚35'54"E), 25.VII.2019, swept, leg. E. Rostami; 1♂, Yasouj, Zirtol, Yasouj University (30˚39'16"N, 51˚35'14"E), 26.V.2018, swept, leg. F. Afrasiabi; 1♂, Yasouj, Mazekharide Village (30˚38'19"N, 51˚31'06"E), 29.VI.2017, swept, leg. M. Asemaneh; 2♂♂, Yasouj, University (30˚39'16"N, 51˚35'14"E), 5.VI.2017, swept, leg. M. Jahanbazi; 1♂, Yasouj, Park Vellayat (30˚39'03"N, 51˚36'01"E), 25.VI.2018, swept, leg. N. Dehghan; 1♂, Yasouj, Park Vellayat (30˚39'03"N, 51˚36'01"E), 17.VI.2018, swept, leg. N. Moradi; 1♀, Yasouj, Aliabad (30˚38'10"N, 51˚35'54"E), 22.VII.2019, swept, leg. N. Razmjoo; 1♂, Yasouj, Park Jangali (30˚41'19.0"N, 51˚36'52.0"E), 23.VI.2018, swept, leg. P. Eftekharinasab; 3♀♀, Yasouj University (30˚39'16"N, 51˚35'14"E), 15.VI.2017, swept, leg. P. Asadi; 4♀♀, 2♂♂, Yasouj, Park Jangali (30˚41'19.0"N, 51˚36'52.0"E), 10.VII.2018, swept, leg. S. O. Mazloum; Isfahan Province: 39♀♀, 6♂♂, Falavarjan (32˚32'40.56"N, 51˚29'34.44"E), 6.VII.2012, swept, leg. R. Khodarahmi; Fars Province: 1♂, Fasa, Ghiasabad (28˚51'53.9"N, 53˚45'41.3"E), 20.VI.2018, swept, leg. H. Baniabdollah; 6♀♀, Shiraz (29˚36'44"N, 52˚34'47"E), 21.VII.2013, swept, leg. S. Kiani; 1♂, Shiraz (29˚36'44"N, 52˚34'47"E), 30.VI.2013, swept, leg. S. Kiani; Chaharmahal & Bakhtiari Province: 8♀♀, Cheshmeh Shaykhalikhan (32˚33'04.87"N, 49˚59'18.39"E), 23.VIII.2013, swept, leg. S. Gholami.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013; Khodarahmi Ghahnavieh & Monfared 2019).

Tetralonia inulae Tkalců, 1979

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Tkalců 1979; Khodaparast & Monfared 2013).

Tetralonia julliani (Pérez, 1879)

Material examined. Isfahan Province: 1♀, Falavarjan (32˚32'40.56"N, 51˚29'34.44"E), 6.VII.2012, swept, leg. R. Khodarahmi; Kohgiluyeh & Boyer-Ahmad Province: 1♂, Yasouj, Mazekharide Village (30˚38'19"N, 51˚31'06"E), 16.VI.2017, swept, leg. S.A.A. Hashemi.

General distribution. Palaearctic (Risch 2003; Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013; Khodarahmi Ghahnavieh & Monfared 2019).

Tetralonia malvae (Rossi, 1790)

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Ascher & Pickering 2026 –specimen ID: AMNH_KSEM941134, AMNH_KSEM941134- 941131; Mazandaran, Alborz (Karaj).

Tetralonia nigriceps Morawitz, 1895

Material examined. Kohgiluyeh & Boyer-Ahmad Province: 2♀♀, Yasouj, Mazekharide Village (30˚38'19"N, 51˚31'06"E), 16.VI.2017, swept, leg. S.A.A. Hashemi; 1♂, Yasouj (30˚14'33.10"N, 51˚59'32.70"E), 11.VI.2018, swept, leg. L. Ghorbani; 4♂♂, 1♀, Yasouj, Masoomabad (30˚39'54"N, 51˚35'40"E), 27.V.2018, swept, leg. F. Azizpour; 2♀♀, 1♂, Yasouj, Mazekharide Village (30˚38'19"N, 51˚31'06"E), 29.VI.2017, swept, leg. S.A.A. Hashemi; 1♀, Yasouj, Naregah (30˚36'56.882"N, 51˚33'57.428"E), 1.VII.2018, swept, leg. N. Rastegar; 1♀, Yasouj, Park Jangali (30˚41'19.0"N, 51˚36'52.0"E), 10.VII.2018, swept, leg. P. Eftekharinasab; 2♀♀, Yasouj, Kakan (30˚45'03.12"N, 52˚03'04.32"E), 24.VII.2009, swept, leg. A. Monfared; 1♂, Yasouj (30˚14'33.10"N, 51˚59'32.70"E), 24.V.2011, swept, leg. A. Monfared; Fars Province: 1♀, 1♂, Kavar, Tafihan (29˚25'02"N, 52˚39'35"E), 7.VI.2018, swept, leg. F. Afrasiabi; 1♀, Sepidan (30˚11'15"N, 52˚03'13"E), 10.VII.2013, swept, leg. S. Kiani; Chaharmahal & Bakhtiari Province: 1♂, Kavanak (32˚20'45.09"N, 50˚24'15.42"E), 22.V.2015, swept, leg. A. Monfared & S. Gholami.

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Ascher & Pickering 2026 –specimen ID: AMNH_KSEM941577, AMNH_KSEM941579; Fars and Mazandaran.

Tetralonia persica (Friese, 1895)

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Khodaparast & Monfared 2013).

Tetralonia vestita Morawitz, 1875

General distribution. Palaearctic (Ascher & Pickering 2026); Iran (Popov, 1967).

DISCUSSION

The present study, based on the examination of 1462 specimens deposited in the Iranian Pollinator Insects Museum at Yasouj University (IPIM-YU), provides an updated assessment of the diversity and distribution of Eucerini in Iran. The material was collected from 15 provinces between 2006 and 2024. In total, 70 species of Eucerini are currently recorded from Iran, including 50 species represented by examined museum material and nine species recorded from Iran for the first time (Fig. 2). Thus, the present study substantially updates the known Iranian fauna and demonstrates that the diversity of Eucerini in Iran can still be expanded through broader sampling and the examination of previously collected material. The updated taxonomic classification of the Iranian Eucerini represented in the IPIM-YU collection follows the global classification framework proposed by Freitas et al. (2023). The number of species recorded in the present study is considerably higher than that reported in earlier investigations of Iranian Eucerini. The studies of Khodaparast and Monfared (2012, 2013) provided an important foundation for the knowledge of Iranian eucerine bees. In particular, the detailed survey of Eucerini in Fars Province by Khodaparast and Monfared (2013) recorded 26 species, including 19 species reported for the first time from Iran. Subsequent regional studies further increased the number of known Iranian species, including investigations in Fars, Chaharmahal and Bakhtiari, and other parts of the country. However, much of the available information has remained geographically scattered and has been derived from regional surveys. By combining newly examined specimens with previously published records, the present study brings these data together into a more comprehensive national checklist (Table 1). Consequently, the increase in the number of species should not be interpreted solely as evidence of an actual increase in species diversity; it also reflects increased sampling effort, examination of museum material, and recent taxonomic changes.

An important aspect of the present study is the adoption of an updated taxonomic framework for Eucerini. The taxonomy of this tribe, particularly within the subtribe Eucerina (Freitas et al., 2023), has undergone substantial changes during the last decade. Traditional classifications were largely based on morphological characters, but the boundaries among several genera and subgenera were difficult to define because of extensive morphological intergradation. Dorchin et al. (2018) investigated the *Eucera* complex, a group corresponding to the subtribe Eucerina as recognized by Freitas et al. (2023). Their analyses showed that several traditional generic boundaries within this group were inconsistent with the inferred phylogenetic relationships, leading them to propose a substantially revised generic classification. This taxonomic reassessment was further developed by Freitas et al. (2023), who provided a comprehensive phylogenomic framework for Eucerini based on ultraconserved elements (UCEs). Their analysis included representatives of nearly all recognized genera and subgenera and resulted in major changes to the classification of the tribe, including modifications to subtribal, generic, and subgeneric boundaries. A subsequent nomenclatural correction by Freitas et al. (2024) clarified several taxonomic names introduced in the 2023 classification. These developments are particularly relevant when comparing current Iranian records with older literature, because differences among species lists may reflect taxonomic reassignments rather than the discovery of genuinely new biological entities.

In the present study, *Eucera* and *Tetralonia* are treated as separate genera, with Iranian *Eucera* represented by the subgenera *Eucera* s. str., *Cubitalia*, and *Synhalonia*. This treatment reflects a synthesis of the recent global classification and subsequent revisions relevant to the Western Palaearctic. Rather than applying the classification of Freitas et al. (2023) mechanically to all Iranian records, the present study also considers more recent taxonomic treatments, particularly the revisions of Dorchin (2023) and Dorchin and Michez (2024). This approach is important because generic and subgeneric boundaries have continued to change following the publication of the major phylogenetic studies. The recent work of Dorchin is particularly relevant to the interpretation of historical names and specimens. Dorchin (2023) reviewed historical type material of Western Palaearctic long-horned bees and demonstrated that several old names had been misinterpreted and used incorrectly for extended periods. Such findings highlight the importance of comparing Iranian specimens with type material and modern taxonomic revisions rather than relying exclusively on older identification keys or historical species concepts. This is especially important for Iranian Eucerini, for which some published records were established under taxonomic concepts that have subsequently been modified.

Table 1. Updated taxonomic classification of the Iranian Eucerini species represented by specimens examined in the IPIM-YU collection, following the worldwide classification of Eucerini proposed by Freitas et al. (2023).

Genera	Subgenera	Species in IPIM-YU
***Eucera* (38 spp.)**	*Eucera*	*Eucera aeolopus* Pérez, 1911
		Eucera albofasciata Friese, 1895
		Eucera alfkeni Risch, 2003
		Eucera brevitarsis Risch, 1997
		Eucera caerulescens Friese 1899
		Eucera cineraria Eversmann, 1852
		Eucera clypeata Erichson, 1835
		Eucera cypria Alfken, 1933
		Eucera dafnii Dorchin, 2019
		Eucera dalmatica Lepeletier, 1841
		Eucera dimidiata Brullé, 1833
		Eucera fasciata Risch, 1999
		Eucera helvola Klug, 1845
		Eucera interrupta Baer, 1850
		Eucera latipes Risch, 1997
		Eucera laxiscopa Alfken, 1935
		Eucera longicornis (Linnaeus, 1758)
		Eucera microsoma Cockerell, 1922
		Eucera monticola Risch, 2003
		Eucera nigrescens Pérez, 1879
		Eucera nigrifacies Lepeletier, 1841
		Eucera nigrilabris Lepeletier, 1841
		Eucera nigripes Klug, 1845
		Eucera oreophila Risch, 2003
		Eucera palaestinae Friese, 1922
		Eucera paraclypeata Sitdikov & Pesenko, 1988
		Eucera parnassia Pérez, 1902
		Eucera pollinosa Smith, 1854
		Eucera proxima Morawitz, 1875
		Eucera seminuda Brullé, 1833
		Eucera serraticornis Risch, 1999
		Eucera sociabilis Smith, 1873
		Eucera sogdiana Morawitz, 1875
		Eucera spinipes Risch, 2003
		Eucera squamosa Lepeletier, 1841
		Eucera syriaca Dalla Torre, 1896
		Eucera terminata Pérez, 1895
		Eucera tibialis Morawitz, 1875
***Synhalonia* (6 spp.)**	*Synhalonia*	*Eucera hungarica* Friese, 1895
		Eucera melectoides (Radoszkowski, 1893)
		Eucera plumigera Kohl, 1905
		Eucera rufa (Lepeletier, 1841)
		Eucera spectabilis (Morawitz, 1875)
		Eucera tricincta Erichson, 1835
***Tetralonia* (6 spp.)**	-	*Tetralonia dentata* (Klug, 1839)
		Tetralonia epilobii Dorchin, 2024
		Tetralonia fulvicornis Morawitz, 1895
		Tetralonia glauca (Fabricius, 1775)
		Tetralonia julliani (Pérez, 1879)
		Tetralonia nigriceps Morawitz, 1895

Table 2. Species groups of the Iranian Eucerini represented by specimens examined in the IPIM-YU collection, following the worldwide classification of Eucerini proposed by Freitas et al. (2023).

No.	Species	Species group
1	*Eucera aeolopus* Pérez, 1910	Uncertain
2	*Eucera albofasciata* Friese, 1895	*caspica*-group
3	*Eucera alfkeni* Risch, 2003	*seminuda*-group
4	*Eucera brevitarsis* Risch, 1997	*nigrifacies*-group
5	*Eucera caerulescens* Friese, 1922	*vulpes*-group
6	*Eucera cineraria Eversmann*, 1852	*cineraria*-group
7	*Eucera clypeata* Erichson, 1835	*seminuda*-group
8	*Eucera cypria* Alfken, 1933	*ongicornis*-group
9	*Eucera dafnii* Dorchin, 2019	*aequata*-group
10	*Eucera dalmatica* Lepeletier, 1841	*longicornis*-group
11	*Eucera dimidiata* Brullé, 1833	*longicornis*-group
12	*Eucera fasciata* Risch, 1999	*cineraria*-group
13	*Eucera helvola* Klug, 1845	*atricornis*-group
14	*Eucera interrupta* Bär, 1850	*longicornis*-group
15	*Eucera latipes* Risch, 1997	*nigrifacies*-group
16	*Eucera laxiscopa* Alfken, 1935	*vulpes*-group
17	*Eucera longicornis* (Linnaeus, 1758)	*longicornis*-group
18	*Eucera microsoma* Cockerell, 1922	*seminuda*-group
19	*Eucera monticola* Risch, 1999	*seminuda*-group
20	*Eucera nigrescens* Pérez, 1879	*longicornis*-group
21	*Eucera nigrifacies* Lepeletier, 1841	*nigrifacies*-group
22	*Eucera nigrilabris* Lepeletier, 1841	*longicornis*-group
23	*Eucera nigripes* Klug, 1845	*atricornis*-group
24	*Eucera oreophila* Risch, 2003	*seminuda*-group
25	*Eucera palaestinae* Friese, 1922	*atricornis*-group
26	*Eucera paraclypeata* Sitdikov & Pesenko, 1988	*seminuda*-group
27	*Eucera parnassia* Pérez, 1902	*caspica*-group
28	*Eucera pollinosa* Smith 1854	*Pollinosa- group*
29	*Eucera proxima* Morawitz, 1875	*longicornis*-group
30	*Eucera seminuda* Brullé, 1833	*seminuda*-group
31	*Eucera serraticornis* Risch, 1999	*Uncertain*
32	*Eucera sociabilis* Smith, 1854	*longicornis*-group
33	*Eucera sogdiana* Morawitz, 1875	*atricornis*-group
34	*Eucera spinipes* Risch, 2003	*seminuda*-group
35	*Eucera squamosa* Lepeletier, 1841	*atricornis*-group
36	*Eucera syriaca* Dalla Torre, 1896	*atricornis*-group
37	*Eucera terminata* Pérez, 1895	*bidentata*-group
38	*Eucera tibialis* Morawitz, 1875	*nigrifacies*-group
39	*Eucera hungarica* Friese, 1896	*ruficollis*-group
40	*Eucera melectoides* (Radoszkowski, 1893)	*ruficollis*-group
41	*Eucera plumigera* (Kohl, 1905)	*ruficollis*-group
42	*Eucera rufa* (Lepeletier, 1841)	*ruficollis*-group
43	*Eucera spectabilis* (Morawitz, 1875)	*ruficollis*-group
44	*Eucera tricincta* Erichson, 1835	*tricincta*-group
45	*Tetralonia dentata* Klug, 1845	*glauca*-group
46	*Tetralonia epilobii* Dorchin, 2024	*nana*-group
47	*Ttralonia fulvicornis* (Eversmann, 1852)	Uncertain
48	*Tetralonia glauca* (Fabricius, 1775)	*glauca*-group
49	*Tetralonia julliani* (Pérez, 1879)	*ruficornis*-group
50	*Tetralonia nigriceps* Morawitz, 1875	*nigriceps*-group

The genus *Tetralonia* also illustrates the continuing taxonomic development of Western Palaearctic Eucerini. Dorchin and Michez (2024) provided a recent revision of Western Palaearctic *Tetralonia* and demonstrated that the taxonomy of this genus remains dynamic, with species boundaries and nomenclature requiring careful evaluation. Accordingly, the current status of Iranian *Tetralonia* should be considered in light of these recent revisions, and historical records based solely on older identifications may require reassessment. This consideration is particularly relevant when interpreting the species composition presented in Table 1. Figures 3 and 4 illustrate the taxonomic composition and zoogeographical distribution of the confirmed Iranian Eucerini fauna.

Figure 3A shows the number of species belonging to each subgenus among the confirmed Iranian Eucerini species represented by specimens deposited in the IPIM-YU collection. Figure 3B presents the corresponding number of species in each subgenus based on the combined dataset, including both the specimens examined in the present study and species documented in reliable published sources. Figure 4 illustrates the composition of the Iranian Eucerini fauna at the subgeneric level, based on the combined data from examined specimens and published records. This general pattern is consistent with the geographical position of Iran and its wide range of habitats. However, the principal significance of the present study lies not in extensively documenting the distributions of species shared with neighbouring regions, but in clarifying their occurrence within Iran. The number of species recorded from individual provinces is also likely influenced by differences in sampling intensity and the history of entomological surveys. Provinces such as Fars and Kohgiluyeh and Boyer-Ahmad, which have been relatively well represented in previous studies, account for a substantial proportion of the available records. Conversely, records from northern, northwestern, and central parts of Iran indicate that further sampling may reveal additional species (Fig. 1).

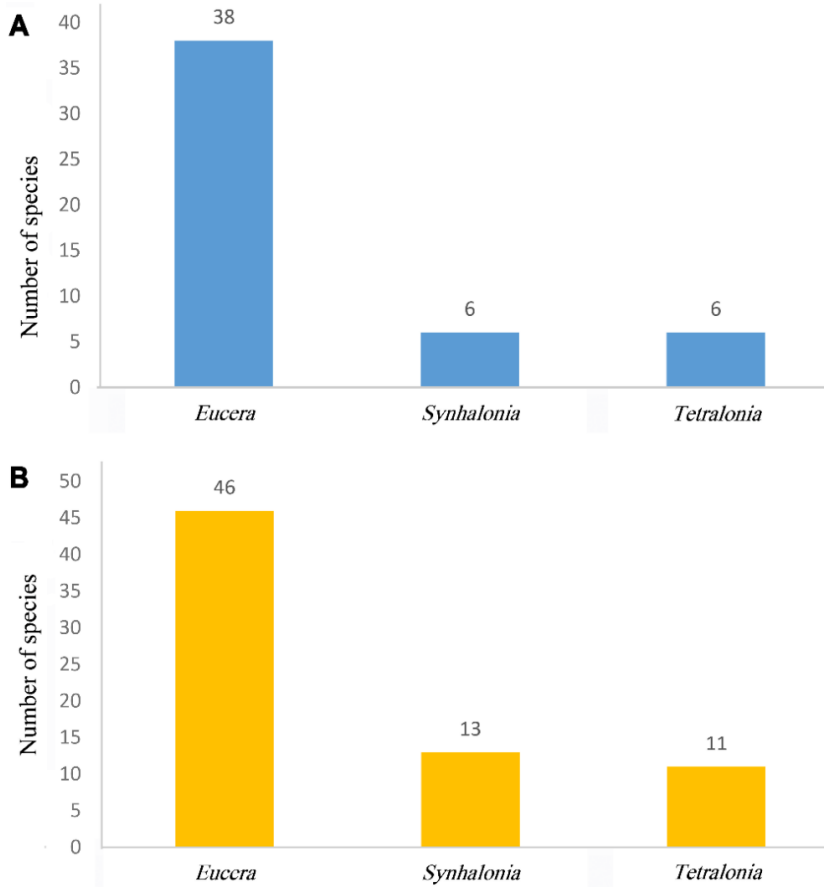


Figure 3. Number of confirmed Iranian Eucerini species recorded for each subgenus, based on **A.** specimens deposited in the IPIM-YU collection; **B.** The combined dataset of specimens examined in the present study and reliable published records.

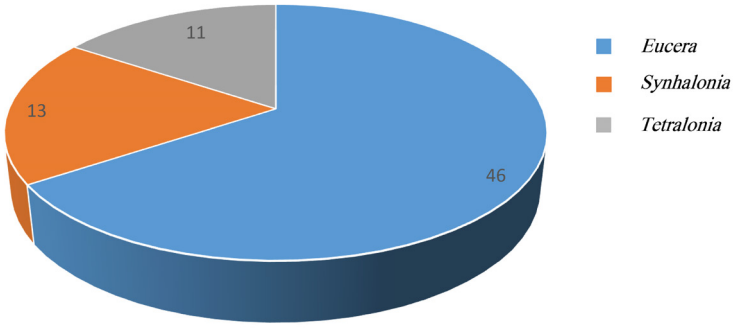


Figure 4. Composition of the confirmed Iranian Eucerini fauna by subgenus, based on the combined data from examined specimens and published records.

Therefore, differences in the observed species richness among provinces should be interpreted cautiously, because observed richness does not necessarily correspond directly to actual regional diversity. The nine species newly recorded from Iran—*E. albofasciata*, *E. brevitarsis*, *E. hungarica*, *E. interrupta*, *E. latipes*, *E. monticola*, *E. seminuda*, *E. serraticornis*, and *E. sociabilis*—represent an important contribution to the updated Iranian checklist (Table 1). Their significance is not limited to increasing the numerical richness of the fauna. The availability of examined voucher specimens, together with locality and distributional information, provides a basis for future verification and taxonomic reassessment. This is particularly valuable in Eucerini, where species identification can be complicated by morphological similarity and by changes in generic and subgeneric concepts.

Overall, integrating the findings of the present study with previous records from Iran and recent global taxonomic revisions provides a more comprehensive and consistent understanding of the taxonomic composition and distribution of Eucerini in Iran. The increase in the number of recognized species, together with major changes in generic and subgeneric boundaries, demonstrates that historical species lists cannot be compared directly without considering taxonomic revisions. The present checklist, incorporating recent treatments by Dorchin and Freitas (Dorchin 2019, 2023; Dorchin et al. 2018; Freitas et al. 2023, 2024; Dorchin & Michez 2024) together with previous Iranian studies (Khodaparast and Monfared 2012, 2013), provides an updated basis for future studies of the taxonomy, distribution, and diversity of Eucerini in Iran. Nevertheless, the reassessment of historical specimens, examination of type material, and integration of morphological and molecular evidence remain important for resolving taxonomically difficult groups within the Iranian fauna.

AUTHOR CONTRIBUTIONS

The author confirm their contribution to the paper as follows: S.T. Hosseini: Investigation, Data curation, Visualization, Writing – original draft; A. Monfared: Conceptualization, Methodology, Supervision, Project administration, Resources, Writing – review & editing; A. Dorchin: Validation, Investigation, Writing – review & editing. S. Azhari: Investigation, Data curation, Resources. The authors read and approved the final version of the manuscript.

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AVAILABILITY OF DATA AND MATERIAL

The specimens examined in this study are deposited in the Iranian Pollinator Insects Museum at Yasouj University (IPIM-YU), Iran. The specimens are available for examination upon reasonable request to the museum curator.

ETHICS APPROVAL AND CONSENT TO PARTICIPATE

This study only included arthropod material, and all required ethical guidelines for the treatment and use of animals were strictly adhered to in accordance with international, national, and institutional regulations. No human participants were involved in any studies conducted by the authors for this article.

CONSENT FOR PUBLICATION

Not applicable.

CONFLICT OF INTERESTS

The authors declare that there is no conflict of interest regarding the publication of this paper.

GENERATIVE AI STATEMENT

Generative AI tools were used solely to assist with language editing. They were not used for data analysis or to generate scientific results. The authors reviewed the text and take full responsibility for the content of the manuscript.

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قبیله Eucerini (Hymenoptera: Apidae) در ایران: فهرست به‌روزشده و گزارش‌های جدید

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دریافت: ۰۴ تیر ۱۴۰۵
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پذیرش: ۱۰ آبان ۱۴۰۵
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چکیـده: در این پژوهش، بر اساس بررسی ۱۴۶۲ نمونه نگهداری‌شده در موزه حشرات گرده‌افشان ایران در دانشگاه یاسوج (IPIM-YU) ، برای نخستین بار حضور ۹ گونه از قبیلهٔ Eucerini (Hymenoptera: Apidae) در ایران گزارش می‌شود. این مطالعه بر پایه مجموعه‌ای شامل ۵۸۰۷ نمونه از قبیله Eucerini است که طی سال‌های ۲۰۰۶ تا ۲۰۲۴ جمع‌آوری شده‌اند. از این مجموعه، ۱۴۶۲ نمونه به‌منظور شناسایی در سطح گونه و تأیید داده‌های پراکنش مورد بررسی قرار گرفتند. اطلاعات تفصیلی نمونه‌ها: شامل تعداد نمونه‌ها، محل‌های جمع‌آوری، مختصات جغرافیایی و نقشه‌های پراکنش در ایران، ارائه شده است. همچنین، در مواردی که اطلاعات در دسترس بوده، داده‌های مربوط به پراکنش جهانی گونه‌ها نیز گزارش شده‌اند. گونه‌های که به تازگی ثبت شدند شامل *Eucera albofasciata* Friese، *E. brevitarsis* Risch، *E. hungarica* Friese، *E. interrupta* Baer، *E. latipes* Risch، *E. monticola* Risch، *E. seminuda* Brullé، *E. serraticornis* Risch و *E. sociabilis* Smith بودند. با افزودن این گزارش‌های جدید، تعداد گونه‌های شناخته‌شده قبیله Eucerini در ایران به ۷۰ گونه افزایش می‌یابد. برای ۵۰ گونه، نمونه‌های شاهد در دسترس است؛ درحالی‌که حضور سایر گونه‌ها صرفاً بر اساس گزارش‌های منتشرشده در منابع علمی ثبت شده است. تمام گونه‌های گزارش‌شده از قبیله Eucerini در ایران دارای پراکنش پالئارکتیک هستند. همچنین، نقشه پراکنش گونه‌های ثبت‌شده و مروری بر غنای گونه‌ای جنس‌های شناخته‌شده این قبیله در ایران ارایه شد.

واژگـان کلیدی: موزهٔ IPIM-YU، زنبورهای خرطوم بلند، حشرات گرده‌افشان، یاسوج