

## New data on the spider fauna of Iran (Arachnida: Aranei). Part VI

## Новые данные по фауне пауков Ирана (Arachnida: Aranei). Часть VI

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**Ключевые слова:** Аранеае, Ближний Восток, новые находки, *Cyclosa sierrae*, *Runcinia tarabayevi*, *Pardosa jaikensis*, *Pardosa italica*, *Zoropsis lutea*.

**Abstract.** A family (Zoropsidae), five genera (*Archaeodictyna* Caporiacco, 1928, *Microneta* Menge, 1869, *Sintula* Simon, 1884, *Zilla* C.L. Koch, 1836, *Zoropsis* Simon, 1878), and 26 spider species are recorded in Iran for the first time. New provincial records for 61 species are presented. Considering the new results, 746 spider species are known from Iran.

**Резюме.** Одно семейство (Zoropsidae), пять родов (*Archaeodictyna* Caporiacco, 1928, *Microneta* Menge, 1869, *Sintula* Simon, 1884, *Zilla* C.L. Koch, 1836, *Zoropsis* Simon, 1878) и 26 видов пауков отмечены впервые для фауны Ирана. Приведены новые региональные находки для 61 вида. С учётом новых данных, аранеофауна Ирана составляет 746 видов.

### Introduction

The present paper is the sixth contribution in the series devoted to the comprehensive faunistic study of Iranian spiders. Currently, 720 spider species of 282 gen-

era are known from Iran [Zamani et al., 2019]. Although there are several recent publications dealing with the description of new taxa or records of spiders new to the fauna of Iran [e.g. Tanasevitch, 2008, 2009, 2011, 2017; Logunov, 2009; Zamani et al., 2014, 2015, 2016, 2017, 2018a, b; Mirshamsi, 2018; Schwendinger, Zamani, 2018; Zonstein et al., 2018], taxonomic surveys and large-scale faunistic works are scarce. According to Mirshamsi et al. [2015], the total species diversity of Iranian spiders should be no less than 1000 species. As a result of the five previous parts of this series, five families (Liocranidae, Mimetidae, Mysmenidae, Miturgidae and Hahniidae), 39 genera and 145 species were recorded from Iran for the first time [Zamani et al., 2014, 2015, 2016, 2017, 2018a]. Main goal of this paper is to provide records for an additional number of 26 species which are new to the fauna of Iran, and raise the number of spider species known from this country to 746.

## Material and Methods

The materials treated in this paper were collected from different provinces of Iran from 1998 till now. Species distribution is based on the information provided in WSC [2019]. In order to recognize the new record status of the treated taxa, all records were checked with the database provided by Zamani et al. [2019]. Specimens were photographed at the Zoological Museum, University of Turku, Finland, with a Canon EOS 7D camera attached to an Olympus SZX16 stereomicroscope. Digital images were montaged using CombineZP and Helicon focus 3.10 image stacking software. Photographs were taken in dishes with paraffin on the bottom holding the specimens in position. Images were edited and assembled into plates using CorelDraw graphic design software.

The depositories of the studied specimens are as follows: American Museum of Natural History (AMNH), Jalal Afshar Zoological Museum of University of Tehran (JAZM), Muséum d'histoire naturelle, Genève (NHMG), Zoological Museum of the Perm State University (PSU), the Senckenberg Museum, Frankfurt am Main, Germany (SMF), National Arachnological Collection, Department of Zoology, V.I. Vernadsky Taurida National University, Simferopol, Crimea (TNU), Zoological Research Museum Alexander Koenig, Bonn (ZFMK) and Zoological Museum of Moscow State University, Moscow (ZMMU).

## Results

### Agelenidae C. L. Koch, 1837

#### *Agelena orientalis* C.L. Koch, 1837

**Material.** Iran: *Gilan Province*, 1♂ (NHMG), Lahidjan, 37°11' N, 49°54' E, 1500 m, 5.07.1973 (A. Senglet); 2♀♀ (NHMG), Shahr-Bidjar, 37°00' N, 49°34' E, 1500 m, 6.09.1973 (A. Senglet); *Golestan Province* (labeled as Mazandaran Province), 1♀ (NHMG), near Kalaleh, 37°19' N, 55°33' E, 14.07.1975 (A. Senglet); *Mazandaran Province*, 2♀♀ (NHMG), 36°14' N, 53°37' E, 1500 m, 11.07.1975 (A. Senglet); 1♀1juv. (NHMG), 36°14' N, 53°37' E, 1500 m, 11.07.1975 (A. Senglet); 1♂, 3♀♀ (NHMG), Hamsehkola, 36°30' N, 52°31' E, 1500 m, 19.07.1973 (A. Senglet); 1♀ (NHMG), Nowshahr, 36°37' N, 51°31' E, 3.08.1974 (A. Senglet); 1♀ (NHMG), Razan, 36°12' N, 52°08' E, 1500 m, 8.07.1975 (A. Senglet); 1♀ (NHMG), Sari, 36°34' N, 53°09' E, 22.07.1973 (A. Senglet); 3♂♂, 3♀♀ (NHMG), Kiyasar, 36°15' N, 53°29' E, 1100 m, 12.07.1975 (A. Senglet); *North Khorasan Province*, 5♀♀ (NHMG), Chaman Bid, 37°26' N, 56°37' E, 20.08.1975 (A. Senglet); *Qazvin Province* (labeled as Tehran Province): 1♀ (NHMG), Mo'allem Kelayeh, 36°26' N, 50°27' E, 3.07.1975 (A. Senglet); 1♀ (NHMG), Hassanabad, 36°26' N, 50°13' E, 1750 m, 3.07.1975 (A. Senglet).

**Distribution.** Italy to Kyrgyzstan.

**Records in Iran.** Alborz, Gilan, Golestan, Kordestan, Lorestan, Mazandaran, Tehran. New records for North Khorasan and Qazvin.

### Araneidae Clerck, 1757

#### *Aculepeira armida* (Audouin, 1826)

**Material.** Iran: *Hamedan Province*, 1♂ (NHMG), Ganjnameh, 34°44' N, 48°30' E, 2250 m, 4.07.1974 (A. Senglet).

**Distribution.** Transpalearctic: from Europe to Russian Far East. New to Iran.

#### *Araneus angulatus* Clerck, 1757

**Material.** Iran: *Hamedan Province*, 1♀ (NHMG), 34°46' N, 48°27' E, 29.07.1973 (A. Senglet); *Kermanshab Province*, 3♀♀ (NHMG), 34°24' N, 47°10' E, 30.06.1974 (A. Senglet); *Razavi Khorasan Province*, 2♀♀ (NHMG), Qouchan, 37°12' N, 58°29' E, 15.07.1974 (A. Senglet).

**Records in Iran.** Gilan, Golestan, Isfahan, Kermanshab, Mazandaran, Semnan, Tehran. New records for Hamedan and Razavi Khorasan.

**Distribution.** Exact distribution limits in Asia is not clear. WSC [2019] indicates its distribution as ranging from Europe to Japan, although it is not known in Japan [Ono, 2009]. Judging from the figures of this species from Korea these records refer to another species. There are no proven records of *A. angulatus* from the Russian Far East. It seems that species occurs in West Palearctic only.

#### *Araneus diadematus* Clerck, 1757

**Material.** Iran: *Qazvin Province*, 1♀ (NHMG), Pol-e Zanguleh, 36°13' N, 51°19' E, 2300 m, 5.07.1975 (A. Senglet).

**Records in Iran.** Ardabil, East Azerbaijan, Gilan, Golestan, Mazandaran, Tehran. New record for Qazvin.

**Distribution.** Transpalearctic. Introduced to North America.

#### *Araniella opisthographa* (Kulczyński, 1905)

**Material.** Iran: *Ardabil Province*, 1♀ (NHMG), Heroabad, 37°35' N, 48°39' E, 9.06.75 (A. Senglet).

**Records in Iran.** Gilan, Golestan, Isfahan, Kermanshab, Mazandaran, Semnan, Tehran. New record for Ardabil.

**Distribution.** Europe, Turkey, Russia (Europe to Far East), Iran, Central Asia.

#### *Argiope lobata* (Pallas, 1772)

**Material.** Iran: *Golestan Province*, 1♀ (NHMG), Kalaleh, 37°19' N, 55°33' E, 14.07.1975 (A. Senglet).

**Records in Iran.** Ardabil, Fars, Kerman, Mazandaran, Razavi Khorasan, South Khorasan, Tehran, Yazd, Zanjan. New record for Golestan.

**Distribution.** West Palearctic.

#### *Cyclosa conica* (Pallas, 1772)

**Material.** Iran: *Gilan Province*, 2♀♀ (NHMG), Lumak, 37°03' N, 49°55' E, 600 m, 6.07.1973 (A. Senglet).

**Records in Iran.** Golestan, Mazandaran, Qazvin, Zanjan. New record for Gilan.

**Distribution.** Circumholarctic.

#### *Cyclosa sierrae* Simon, 1870

Fig. 1 A–D.

**Material.** Iran: *Hormozgan Province*, 1♂, 1♀ (JAZM), Bandar Abbas, Siahu, 27°54' N, 56°27' E, February 2018 (A. Zamani); *Kohgiluyeh and Boyer-Ahmad Province*, 1♀ (NHMG), Yasuj, 30°34' N 51°39' E, 2000 m, 27.05.1974 (A. Senglet); *Mazandaran Province*, 3♀♀ (NHMG), Pol-e Doab, 36°29' N 51°23' E, 4.08.1974 (A. Senglet).

**Records in Iran.** Golestan. New records for Hormozgan, Kohgiluyeh and Boyer-Ahmad and Mazandaran.

**Distribution.** Iberian Peninsula to Iran.

#### *Gibbaranea bituberculata* (Walckenaer, 1802)

**Material.** Iran: *Fars Province*, 1♀ (NHMG), Aliabad, 30°01' N, 53°00' E, 9.06.1974 (A. Senglet); *Isfahan Province*, 1♀ (NHMG), Falavarian, 32°34' N, 51°31' E, 14.06.1974 (A. Senglet).

**Distribution.** West Palearctic. New record to Iran.

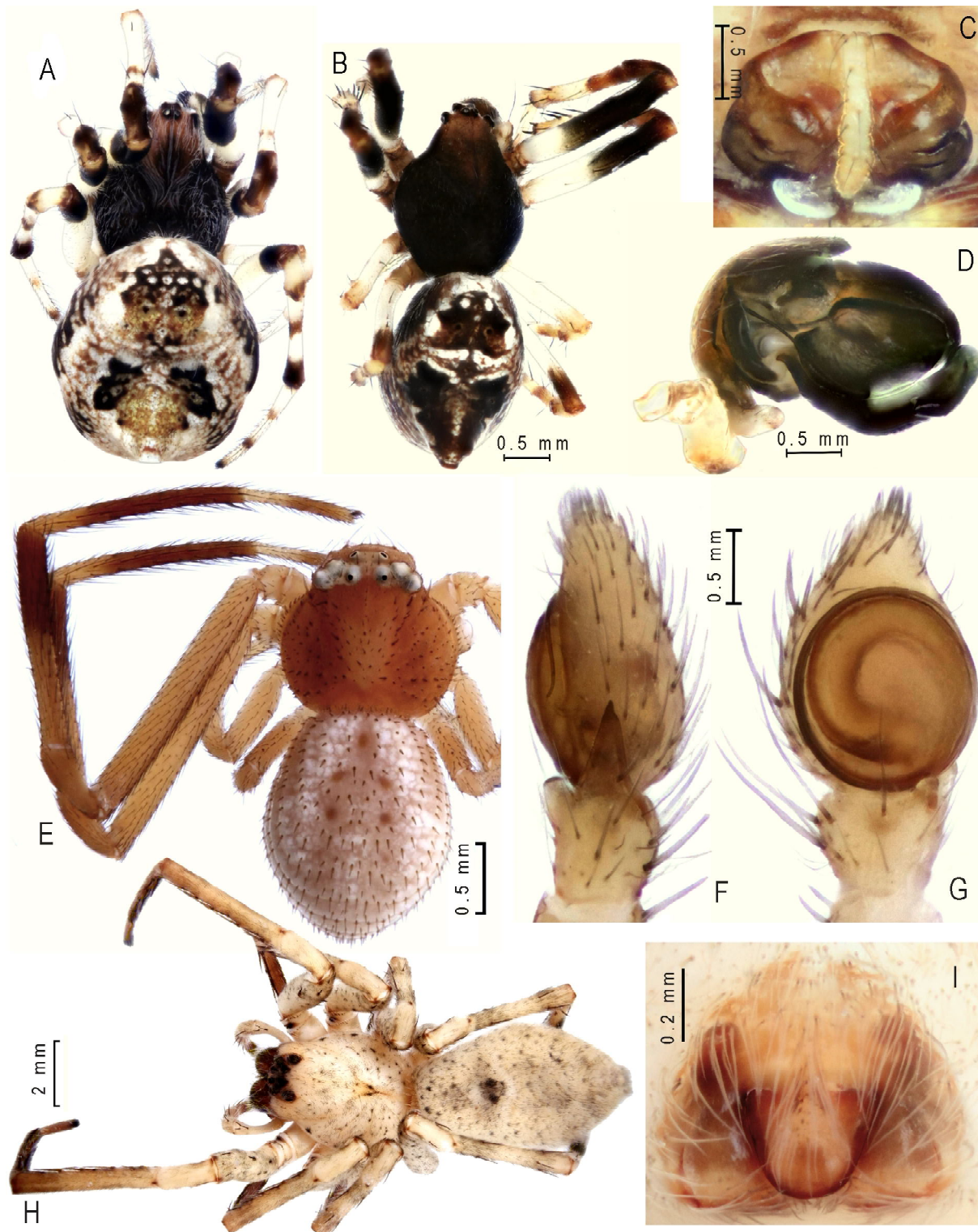


Fig. 1. Habitus and copulatory organs of *Cyclosa sierrae* (A–D), *Runcinia tarabayevi* (E–G), and *Zoropsis lutea* (H–I) from Iran. A, H — female, dorsal; B, E — male, dorsal; C, I — epigyne, ventral; D, G — male palp, ventral; F — male palp, retrolateral.

Рис. 1. Габитус и копулятивные органы *Cyclosa sierrae* (A–D), *Runcinia tarabayevi* (E–G) и *Zoropsis lutea* (H–I) из Ирана. А, H — самка, дорсально; В, Е — самец, дорсально; С, I — эпигина, вентрально; D, G — палепа самца, вентрально; F — палепа самца, ретролатерально.

*Gibbaranea ullrichi* (Hahn, 1835)

**Material.** Iran: *Chabarmahal and Bakhtiari Province*, 1♀ (NHMG), N.E. of Zardeh Kuh, 32°23' N, 50°07' E, 2700 m., 20.06.1974 (A. Senglet).

**Distribution.** Europe to Central Asia. New to Iran.

*Hyposinga albiovittata* (Westring, 1851)

**Material.** Iran: *West Azarbaijan Province*, 1♀ (NHMG), Mahabad, 36°50' N, 45°47' E, 3.06.1975 (A. Senglet).

**Records in Iran.** Tehran. New record for West Azarbaijan.

**Distribution.** Transpalaeartic.

*Hyposinga pygmaea* (Sundevall, 1831)

**Material.** Iran: *West Azarbaijan Province*, 5♀♀ (NHMG), N. of Rezaiyeh, 37°50' N, 45°03' E, 2.06.1975 (A. Senglet).

**Records in Iran.** Gilan, Golestan, Isfahan, Kermanshah, Mazandaran, North Khorasan (?), Razavi Khorasan (?), Zanjan. New record for West Azarbaijan.

**Distribution.** Circumholarctic.

*Larinioides suspicax* (O. Pickard-Cambridge, 1876)

**Material.** Iran: *Chabarmahal and Bakhtiari Province*, 1♂, 1♀ (NHMG), Farsan, 32°17' N, 50°38' E, 17.06.1974 (A. Senglet); *Hamedan Province*, 2♂♂, 3♀♀ (NHMG), Ganjnameh, 34°44' N, 48°30' E, 2250 m, 4.07.1974 (A. Senglet); *Lorestan Province*, 1♀ (NHMG), Azna, 33°28' N, 49°22' E, 23.06.1974 (A. Senglet); *West Azarbaijan Province*, 1♀ (NHMG), N. of Rezaiyeh, 37°50' N, 45°03' E, 2.06.1975 (A. Senglet).

**Records in Iran.** Alborz, Gilan, Golestan, Isfahan, Kerman, Kermanshah, Mazandaran, Razavi Khorasan, Tehran. New records for Chaharmahal and Bakhtiari, Hamedan and West Azarbaijan.

**Distribution.** West Palaeartic.

*Leviellus caspicus* (Simon, 1889)

**Material.** Iran: *West Azarbaijan Province*, 2♂♂ (NHMG), Mahabad, 36°50' N, 45°47' E, 23.06.1973 (A. Senglet).

**Records in Iran.** Tehran, Yazd. New record for West Azarbaijan.

**Distribution.** Central Asia and Iran.

*Mangora acalypha* (Walckenaer, 1802)

**Material.** Iran: *Chabarmahal and Bakhtiari Province*, 1♀ (NHMG), Dimeh, 32°29' N, 50°16' E, 8.08.1973 (A. Senglet); *Isfahan Province*, 1♀ (NHMG), Riz-e Landjan, 32°24' N, 51°19' E, 11.08.1973 (A. Senglet); *North Khorasan Province*, 1♀ (NHMG), Bojnurd, 37°29' N, 57°26' E, 20.08.1975 (A. Senglet).

**Records in Iran.** Alborz, Gilan, Golestan, Kermanshah, Markazi, Mazandaran, North Khorasan, Qazvin, Razavi Khorasan (?), Semnan, Tehran. New records for Chaharmahal and Bakhtiari and Isfahan.

**Distribution.** West Palaeartic.

*Neoscona adianta* (Walckenaer, 1802)

**Material.** Iran: *Hamedan Province*, 1♂ (NHMG), Asadabad, 34°51' N, 48°12' E, 2.07.1974 (A. Senglet); *Kermanshah Province*, 8♂♂, 6♀♀ (NHMG), Mahi Dasht, 34°14' N, 46°42' E, 29.06.1974 (A. Senglet); *Lorestan Province*, 3♂♂ (NHMG), Azna, 33°28' N, 49°22' E, 23.06.1974 (A. Senglet); *West Azarbaijan Province*, 3♂♂ (NHMG), Maku, 39°08' N, 44°30' E, 23.06.1973 (A. Senglet).

**Records in Iran.** Alborz, Ardabil, Gilan, Golestan, Hamedan, Isfahan, Kurdistan, Mazandaran, Qazvin, Tehran, Zanjan. New records for Kermanshah, Lorestan and West Azarbaijan.

**Distribution.** Transpalaeartic.

*Neoscona subfusca* (C. L. Koch, 1837)

**Material.** Iran: *Qazvin Province*, 1♂, 1♀ (NHMG), Shahrak, 36°25' N, 50°30' E, 1500 m, 2.07.1975 (A. Senglet).

**Records in Iran.** Golestan, Kerman, Markazi, Mazandaran, Yazd, Zanjan. New record for Qazvin.

**Distribution.** West Palaeartic and Africa.

*Nuctenea umbratica* (Clerck, 1757)

**Material.** Iran: *Gilan Province*, 1♂3♀♀ (NHMG), Shahr-e Bidjar, 37°00' N, 49°34' E, 6.09.1973 (A. Senglet).

**Records in Iran.** Golestan, Mazandaran. New record for Gilan.

**Distribution.** Europe to Kyrgyzstan.

*Singa hamata* (Clerck, 1757)

**Material.** Iran: *Tebran Province*, 4♀♀ (NHMG), Pol-e Djajrud, 35°45' N, 51°42' E, 16.07.1973 (A. Senglet); *West Azarbaijan Province*, 5♂♂, 10♀♀ (NHMG), Rezaiyeh, 37°50' N, 45°03' E, 2.06.1975 (A. Senglet).

**Records in Iran.** Gilan, Mazandaran. New records for Tehran and West Azarbaijan.

**Distribution.** Transpalaeartic.

*Singa lucina* (Audouin, 1826)

**Material.** Iran: *West Azarbaijan Province*, 1♂, 5♀♀ (NHMG), N. of Khoy, 38°37' N, 46°02' E, 1.06.1975 (A. Senglet).

**Records in Iran.** Gilan, Golestan, Kerman, Kermanshah, Mazandaran. New record for West Azarbaijan.

**Distribution.** Mediterranean to Caucasus.

*Zilla diodia* (Walckenaer, 1802)

**Material.** Iran: *Isfahan Province*, 1♀ (PSU), Qamsar and Barzok Protected Area, 55 km SW of Qamsar, 14 km NE Kamoo, near the road of Gargash observatory, 33°37' N, 51°19' E, alt 2710 m, 19.05.2016 (P. Pone); *Mazandaran Province*, 1♀ (NHMG), E. of Baladeh, 36°12' N 51°57' E, 2000 m, 8.07.1975 (A. Senglet).

**Distribution.** Iberian Peninsula to West Siberia. This is the first record of the genus *Zilla* C.L. Koch, 1834 in Iran.

**Cheiracanthiidae Wagner, 1887***Cheiracanthium erraticum* (Walckenaer, 1802)

**Material.** Iran: *Alborz Province*, 1♀ (NHMG), Nesa, 36°04' N, 51°19' E, 14.07.1973 (A. Senglet); *Fars Province*, 1♂ (ZMMU), -40 km SEE of Shiraz, Barm-e Shoor Ck on Maharloo Lake, 29°29' N, 52°42' E, 23-28.05.2000 (Y.M. Marusik); 2♀♀ (ZMMU), 50 km NNE of Shiraz, Bamoo Res., 29°45' N, 52°45' E, 18-28.05.2000 (Y.M. Marusik); *Gilan Province*, 2♂♂, 5♀♀ (NHMG), Galugah, 37°31' N, 49°19' E, 4.07.1973 (A. Senglet); *Mazandaran Province*, 1♂1♀ (ZMMU), Nashtarood-Khoshkadaran, 9-10.06.2000 (Y.M. Marusik); *North Khorasan Province*, 1♀ (NHMG), Dasht, 37°23' N, 56°13' E, 1600 m, 17.07.1975 (A. Senglet); *Qazvin Province*, 1♂1♀ (NHMG), Shahrak, 36°25' N, 50°30' E, 2.07.1975 (A. Senglet); *Razavi Khorasan Province*, 1♂, 1♀ (NHMG), Emamgholi, 37°26' N, 58°30' E, 15.07.1974 (A. Senglet); *Tebran Province*, 2♂♂ (ZMMU), -80 Km E of Tehran, Damavand area, Aroo Vil., 10 km N of Karaj, 35°40' N, 52°27' E, 15.06.2000 (Y.M. Marusik, F. Mozaffarian); 1♂ (ZMMU), Damavand area, Absard, 5.06.2000 (H. Alipanah); 1♀ (ZMMU), Plant Protection Organization Pk., 7-22.06.2000 (Y.M. Marusik); 2♀♀ (ZMMU), Latian Dam, 35°48' N, 51°08' E, 6-19.06.2000 (Y. M. Marusik).

**Records in Iran.** Ardabil, Golestan, Mazandaran, North Khorasan, Razavi Khorasan, Tehran. New records for Alborz, Fars, Gilan and Qazvin.

**Distribution.** Transpalaeartic.

*Cheiracanthium mildei* L. Koch, 1864

**Material.** Iran: *East Azarbaijan Province*, 3♂♂, 1♀ (NHMG), Maragheh, 37°24' N, 46°16' E, 4.06.1975 (A. Senglet); *Fars Province*, 1♂ (ZMMU), 40 Km NE of Shiraz, 2 Km E of Band-e Amir Vil., 29°52' N, 52°47' E, 25.05.2000 (Y.M. Marusik); 2♀♀ (ZMMU), 50 Km NNE of Shiraz, Bamoo Res., 29°45' N, 52°45' E, 18–28.05.2000 (Y.M. Marusik); *Mazandaran Province*, 2♀♀ (ZMMU), Tooben, Khorram-abad Vil. env., 36°43' N, 50°48' E, 8–10.06.2000 (Y.M. Marusik); *North Khorasan Province*, 1♀ (NHMG), Qouchan, 37°12' N, 58°29' E, 15.07.1974 (A. Senglet); *Tebran Province*, 2♂♂ (ZMMU), NW of Tehran, Sardor area, 10 Km N of Karaj, 35°50' N, 51°05' E, 13.06.2000 (Y.M. Marusik); 9♀♀ (ZMMU), Plant Protection Organization Pk., 7–22.06.2000 (Y.M. Marusik).

**Records in Iran.** Golestan, Kerman, Kermanshah, Kohgiluyeh and Boyer-Ahmad, Mazandaran, Razavi Khorasan, Semnan, Tehran, West Azarbaijan. New records for Chaharmahal and Bakhtiari, East Azarbaijan, Fars and North Khorasan.

**Distribution.** West Palaearctic. Introduced to North America, Argentina.

*Cheiracanthium montanum* L. Koch, 1877

**Material.** Iran: *Razavi Khorasan*, 1♂ (SMF), Mashhad, 1000 m, 8.21.61 (leg. Ressler, det. J. Wunderlich).

**Records in Iran.** Golestan, Kerman, Razavi Khorasan.

**Distribution.** Europe, Turkey, Caucasus, Iran.

*Cheiracanthium pennyi* O.P.-Cambridge, 1873

**Material.** Iran: *Chaharmahal and Bakhtiari Province*, 4♂♂, 4♀♀, 1j. (NHMG), Dimeh, 37°29' N, 50°16' E, 21.06.1974 (A. Senglet); *Isfahan Province*, 2♂♂, 1♀ (NHMG), Nowgahan, 33°11' N, 50°04' E, 22.06.1974 (A. Senglet); *Tebran Province*, 1♂, 5♀♀ (ZMMU), E of Tehran, Ab-ali area, 35°46' N, 51°57' E, 2.06.2000 (Y.M. Marusik).

**Records in Iran.** Alborz, Ardabil, Fars, Golestan, Kurdistan, North Khorasan, Razavi Khorasan, Semnan, Tehran. New records for Chaharmahal and Bakhtiari and Isfahan.

**Distribution.** West Palaearctic.

**Corinnidae** Karsch, 1880*Castianeira arnoldii* Charitonov, 1946

**Material.** Iran: *Fars Province*, 1♂, 1♀ (NHMG), Bishopour, 29°47' N, 51°35' E, 28.05.1974 (A. Senglet); *Kohgiluyeh and Boyer-Ahmad Province*, 1♂, 1sub♀♀ (NHMG), Basht, 30°20' N, 51°15' E, 25.05.1974 (A. Senglet); *Lorestan Province*, 2♀♀ (NHMG), Hatemvand, 33°28' N, 48°07' E, 23.06.1974 (A. Senglet); *Mazandaran Province*, 1♂ (NHMG), Farahabad, 36°49' N, 53°12' E, 9.07.1975 (A. Senglet).

**Records in Iran.** Fars, Golestan, Kermanshah, Markazi, Razavi Khorasan, Tehran. New records for Kohgiluyeh and Boyer-Ahmad, Lorestan and Mazandaran.

**Distribution.** Turkmenistan, Uzbekistan and Iran.

**Dictynidae** O.P.-Cambridge, 1871*Archaeodictyna consecuta* (O.P.-Cambridge, 1872)

**Material.** Iran: *Fars Province*, 2♂♂, 2♀♀ (NHMG), Firouzabad, 28°52' N, 52°32' E, 6.06.1974 (A. Senglet).

**Distribution.** Europe to Baikal. Genus and species new to Iran.

*Devade tenella* (Tyshchenko 1965)

**Material.** Iran: *Hormozgan Province*, 1♂ (NHMG), 75 km N of Bandar Abbas, Stahu, 16.02.2018 (A. Zamani).

**Records in Iran.** Kerman. New record for Hormozgan.

**Distribution.** Ukraine to China, Iran.

**Gnaphosidae** Pocock, 1898*Haplodrassus pugnans* (Simon, 1880)

**Material.** Iran: *Isfahan Province*, 1♂ (PSU), Qamsar and Barzok Protected Area, 55 km SW of Qamsar, 14 km NE Kamoo, near the road of Gargash observatory, 33°37' N, 51°19' E, 2710 m, 19.05.2016 (P. Ponei).

**Distribution.** Israel to Chukotka and Japan. New for Iran.

*Turkozolotes mcowani*

## (Chatzaki et Russell-Smith, 2017)

**Material.** Iran: *Kurdistan Province*, 1♂ (PSU), Sanandaj County, Nime Chah, May 2017 (A. Zamani); 1♂ (PSU), Marivan County, Bardeh Bokakan, May 2017 (A. Zamani).

**Distribution.** Greece and Crete. New species to Iran, representing the easternmost limit in the known range.

**Linyphiidae** Blackwall, 1859*Agyneta conigera* (O.P.-Cambridge, 1863)

**Material.** Iran: *East Azarbaijan Province*, 1♂, 2♀♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6.06–6.10.78 (J. Martens, H. Pieper).

**Distribution.** West Palaearctic. New to Iran, with the current data representing the southernmost record globally.

*Araeoncus caucasicus* Tanasevitch, 1987

**Material.** Iran: *Mazandaran Province*, 3♀♀ (SMF), Elburz Mts., Savadkuh County, 11 km E of Alasht, western side valley of Talar, 300 m, 28.06.78 (J. Martens, H. Pieper); 1♀ (SMF), Elburz Mts., Amol County, close to pass above Polur, 2350 m, 30.06.78 (J. Martens, H. Pieper).

**Distribution.** Ukraine, Caucasus, Iran and Kazakhstan.

**Records in Iran.** Chaharmahal and Bakhtiari, East Azarbaijan, Fars, Hamedan, Ilam, Isfahan, Kermanshah, Khuzestan, Kordestan, Lorestan, Mazandaran, Tehran, West Azarbaijan.

*Centromerus minor* Tanasevitch, 1990

**Material.** Iran: *East Azarbaijan Province*, 9♀♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6.06–6.10.78 (J. Martens, H. Pieper); *Mazandaran Province*, 2♀♀ (SMF), Nur County, south of Royan [formerly Alamdeh], 1000 m, 28.05.78 (J. Martens, H. Pieper).

**Distribution.** Turkey, Caucasus. New to Iran, with the current data representing the southeasternmost records.

*Ceratinella brevis* (Wider, 1834)

**Material.** Iran: *East Azarbaijan Province*, 1♂ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6.06–6.10.78 (J. Martens, H. Pieper); *Mazandaran Province*, 1♀ (SMF), Nur County, south of Royan [formerly Alamdeh], 760 m, 28.05.78 (J. Martens, H. Pieper).

**Distribution.** Transpalaearctic.

**Records in Iran.** Gilan. New records for East Azarbaijan and Mazandaran.

*Diplocephalus picinus* (Blackwall, 1841)

**Material.** Iran: *Mazandaran Province*, 3♀♀ (SMF), Elburz Mts., Savadkuh County, 11 km E of Alasht, western side valley of Talar, 1400 m, 7–8.06.78 (J. Martens, H. Pieper); 1♀ (SMF), Nur County, south of Royan [formerly Alamdeh], 1450 m, 30.05.78 (J. Martens, H. Pieper).

**Distribution.** West Palaearctic. New to Iran.



*Diplostyla concolor* (Wider, 1834)

**Material.** Iran: East Azarbayjan Province, 2♀♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6–10.06.78 (J. Martens, H. Pieper).

**Distribution.** Circumholarctic.

**Records in Iran.** Gilan, West Azarbayjan. New record for East Azarbayjan.

*Entelecara acuminata* (Wider, 1834)

**Material.** Iran: Mazandaran Province, 1♀ (SMF), Nur County, south of Royan [formerly Alamdeh], 1000 m, 28.05.78 (J. Martens, H. Pieper).

**Distribution.** USA and West Palaearctic. New to Iran.

*Erigone dentipalpis* (Wider, 1834)

**Material.** Iran: Mazandaran Province, 1♀ (SMF), Elburz Mts., Amol County, close to pass above Polur, 2350 m, 30.06.78 (J. Martens, H. Pieper).

**Distribution.** Transpalaearctic.

**Records in Iran.** Chaharmahal and Bakhtiari, Fars, Gilan, Golestan, Hamedan, Ilam, Isfahan, Kerman, Kermanshah, Kordestan, Lorestan, Mazandaran, North Khorasan, Razavi Khorasan, Semnan, Tehran, West Azarbayjan.

*Frontinellina frutetorum* (C. L. Koch, 1834)

**Material.** Iran: East Azarbayjan Province, 1♂, 4♀♀ (SMF), Makidi-Kalibar, 1600–1700 m, 15.06.78 (J. Martens, H. Pieper); Tebran Province, 1♂, 4♀♀ (SMF), North Tehran, Shemshak, 2600–2900 m, 17–25.06.78 (J. Martens, H. Pieper).

**Distribution.** West Palaearctic.

**Records in Iran.** Alborz, Gilan, Golestan, Ilam, Mazandaran, North Khorasan, Qazvin, Tehran, Zanjan. New record for East Azarbayjan.

*Gnathonarium dentatum* (Wider, 1834)

**Material.** Iran: Mazandaran Province, 3♀♀ (SMF), 15 km E Alasht, western side valley of Talar, 1100 m, 28.06.78 (J. Martens, H. Pieper, det. S. Lin); 1♂, 3♀♀ (SMF), Noor Reservation, near Noor (= Suldeh), 29.06.78 (J. Martens, H. Pieper, det. S. Lin); 1♀ (SMF), Elburz Mts., 25 km South of Amol, western side valley of Haraz river, 490–560 m, 29.06.78 (J. Martens, H. Pieper).

**Distribution.** Transpalaearctic.

**Records in Iran.** Chaharmahal and Bakhtiari, East Azarbayjan, Fars, Gilan, Hamedan, Isfahan, Kerman, Khuzestan, Kohgiluyeh and Boyer-Ahmad, Kordestan, Lorestan, Mazandaran, North Khorasan, Razavi Khorasan, Tehran.

*Gongylidiellum vivum* (O. P.-Cambridge, 1875)

**Material.** Iran: Mazandaran Province, 2♂♂, 1♀ (SMF), Nur County, south of Royan [formerly Alamdeh], 1000 m, 28.05.78 (J. Martens, H. Pieper).

**Distribution.** Iberian Peninsula to Iran. New to Iran.

*Linyphia hortensis* Sundevall, 1830

**Material.** Iran: East Azarbayjan Province, 1♂, 4♀♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6–10.06.78 (J. Martens, H. Pieper).

**Distribution.** Transpalaearctic.

**Records in Iran.** Gilan. New record for East Azarbayjan.

*Maso sundevalli* (Westring, 1851)

**Material.** Iran: East Azarbayjan Province, 1♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6–10.06.78 (J. Martens, H. Pieper).

**Distribution.** Circumholarctic.

**Records in Iran.** Gilan, Tehran. New record for East Azarbayjan.

*Microneta viaria* (Blackwall, 1841)

**Material.** Iran: East Azarbayjan Province, 13♀♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6–10.06.78 (J. Martens, H. Pieper).

**Distribution.** Circumholarctic. Both genus and species are new for Iran.

*Nerienne peltata* (Wider, 1834)

**Material.** Iran: East Azarbayjan Province, 1♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6–10.06.78 (J. Martens, H. Pieper).

**Distribution.** West Palaearctic, Southern Greenland. New to Iran.

*Nerienne radiata* (Walckenaer, 1842)

**Material.** Iran: Mazandaran Province, 1♀ (SMF), 20 km South of Amol, Klard, deciduous forest, 500 m, 24.05.78 (J. Martens, H. Pieper); 1♀ (SMF), Elburz Mts., Nowshahr County, Kojur Distr., Kojur, at road S of Amadeh, 1540 m, 27.05.78 (J. Martens, H. Pieper); 1♀ (SMF), Elburz Mts., Savadkuh County, 11 km E of Alasht, western side valley of Talar river, 1400 m, 27–28.07.78 (J. Martens, H. Pieper).

**Distribution.** Circumholarctic.

**Records in Iran.** Gilan, Mazandaran.

*Palliduphantes khobarum* (Charitonov, 1947)

**Material.** Iran: Mazandaran Province, 1♀ (SMF), Elburz Mts., Savadkuh County, 11 km E of Alasht, western side valley of Talar river, 1400 m, 27–28.07.78 (J. Martens, H. Pieper).

**Distribution.** Greece to Iran (easternmost record). New to Iran.

*Pelecopsis parallela* (Wider, 1834)

**Material.** Iran: East Azarbayjan Province, 1♀ (SMF), Kalan, Arasbaran Wildlife Refuge, 2450–2650 m, 6–10.06.78 (J. Martens, H. Pieper).

**Distribution.** Transpalaearctic. Although the presence of this species in Iran was already predicted through species distribution modeling by Seppälä et al. [2018], this should be considered as its first confirmed record in Iran.

*Porrhomma convexum* (Westring, 1851)

**Material.** Iran: Tebran Province, 1♂, 4♀♀ (SMF), Elburz Mts., road to Shemshak, cave near Koolak, 2450 m, 24.06.78 (J. Martens, H. Pieper).

**Distribution.** Nearctic and West Palaearctic. New to Iran, with the current data representing its southernmost record.

*Sintula corniger* (Blackwall, 1856)

**Material.** Iran: East Azarbayjan Province, 1♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6–10.06.78 (J. Martens, H. Pieper).

**Distribution.** Europe to Azerbaijan. Both genus and species are new to Iran, with current data representing the southeasternmost record of the species.

*Tenuiphantes perseus* (van Helsdingen, 1977)

**Material.** Iran: East Azarbayjan Province, 2♂♂, 8♀♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6–10.06.78 (J. Martens, H. Pieper); Mazandaran Province, 1♀ (SMF), Nur County, south of Royan [formerly Alamdeh], 400 m, 28.05.78 (J. Martens, H. Pieper); 3♂♂ (SMF), Nur County, south of Royan [formerly Alamdeh], 760 m, 28.05.78 (J. Martens, H. Pieper); 1♂ (SMF), Nur County, south of Royan [formerly Alamdeh], 400 m, 31.05.78 (J. Martens, H. Pieper); 1♂ (SMF), Elburz Mts., Savadkuh County, 12 km NW of Sirab, valley of Talar river, 300 m, 28.06.78 (J. Martens, H. Pieper); 2♂♂, 1♀ (SMF), Elburz Mts., Nowshahr County,

Kojur Distr., Dasht-e Nazir, 1000–1300 m, 26.05.78 (J. Martens, H. Pieper); 1♂, 2♀♀ (SMF), 20 km South of Amol, Klard, 500 m, 24.05.78 (J. Martens, H. Pieper); **Tebzan Province**, 1♀ (SMF), Elburz Mts., Shemiranat County, Rudbar-e Qasran Distr., valley east of Fasham, 2350 m, 5.07.78 (J. Martens, H. Pieper).

**Distribution.** Caucasus and Iran.

**Records in Iran.** East Azarbayjan, Gilan, Mazandaran, Tehran. Here, we also assign the record of the West Palaearctic species *Tenuiphantes zimmermanni* (Bertkau, 1890) by Ghavami (2006) to *T. perseus*.

*Walckenaeria alticeps* (Denis, 1952)

**Material.** Iran: East Azarbayjan Province, 1♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6–10.06.1978 (J. Martens, H. Pieper).

**Distribution.** West Palaearctic.

**Records in Iran.** Chaharmahal and Bakhtiari, East Azarbayjan, Fars, Isfahan, Kermanshah, Kordestan, Lorestan, Mazandaran, Tehran.

**Lycosidae Sundevall, 1833**

*Pardosa jaikensis* Ponomarev, 2007

Fig. 2 E–F.

**Material.** Iran: Mazandaran Province, 3♀♀ (TNU), Sari, Pahne Kolah, March 2013 (A. Zamani).

**Comparative material.** *Pardosa italica* Tongiorgi, 1966: 1♂, 2♀♀ (TNU SO39/1, SO60/1), Crimea, Dzhankoi Distr., env. Solenoe Ozero Vill., 45°56'21.4" N, 34°26'52.1" E, 45°54'30" N 34°28'54.9" E, June, August 2009 (A. Nadolny).

**Comments:** *Pardosa jaikensis* is very similar to *P. italica*. Both species can be easily recognized from other congeners

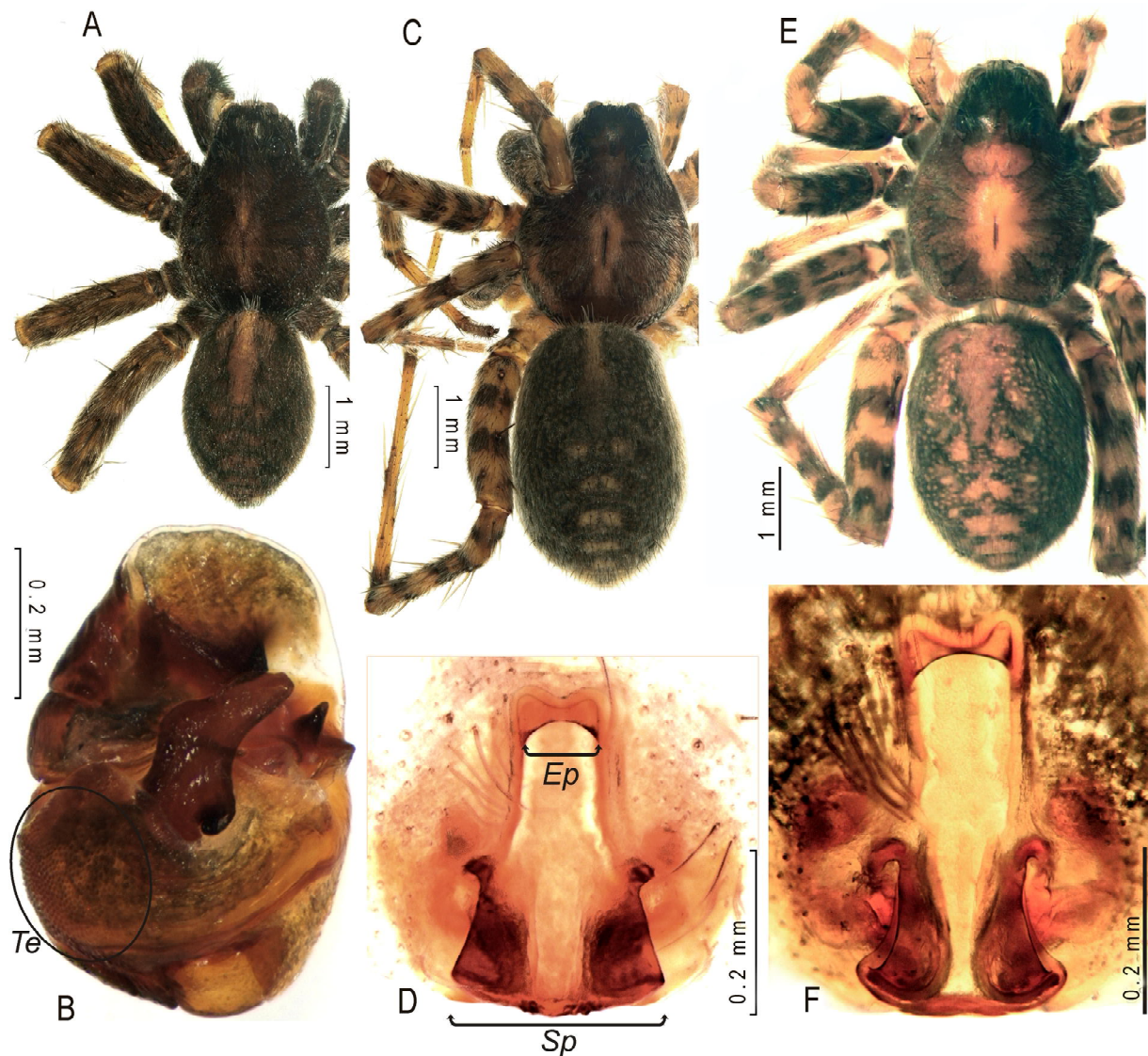


Fig. 2. Habitus and copulatory organs of *Pardosa italica* from Crimea (A–D) and *P. jaikensis* from Iran (E–F). A — male, dorsal; B — bulb, ventral; C, E — female, dorsal; D, F — epigyne, ventral. Abbreviations: *Ep* — width of anterior epigynal pocket; *Sp* — width of posterior end of epigynal septum; *Te* — area with small tubercles on prolateral side of tegulum.

Рис. 2. Габитус и копулятивные органы *Pardosa italica* из Крыма (А–D) и *P. jaikensis* из Ирана (Е–F). А — самец, дорсально; В — бульбус, вентрально; С, Е — самка, дорсально; D, F — эпигина, вентрально. Обозначения: *Ep* — ширина переднего кармана эпигины; *Sp* — ширина задней оконечности септума эпигины; *Te* — область с маленькими бугорками на пролатеральной стороне тегулома.

thanks to postulate (covered with fine tubercles) tegulum (Fig. 2 B; Ponomarev et al., 2011: Figs 4–6). Males of the two species are almost indistinguishable. Females differ by the proportions of septum, in *P. jaikensis* posterior width 2 times wider than anterior pocket, while 3 times wider in *P. italica*. Also, *P. italica* is darker in color and smaller than *P. jaikensis* (Fig. 2 A, C, E).

**Distribution.** Dagestan Republic, Rostov and Stavropol Areas of the Russia [Ponomarev et al., 2017] and Kostanay Region in northern Kazakhstan [Ponomarev, Bragina, 2014]. New to Iran, with the current material representing the southernmost record for this species.

### Onopidae Simon, 1890

#### *Opopaea sallami* Saaristo et van Harten, 2006

**Material.** Iran: *Kbuzestan Province*, 3♀♀ (NHMG), around Ahvaz, 31°08' N 48°55' E, 21.05.74 (A. Senglet).

**Distribution.** Hitherto known only from the type locality in Yemen. New to the Iranian fauna, with current data representing its northernmost record.

#### *Pelicismus sengleti* Platnick, Dupérré, Ott, Baehr et Kranz-Baltensperger, 2012

**Material.** Iran: *Chaharmahal and Bakhtiari Province*, 1♀ (NHMG), N.E. du Zardeh Kuh, 32°23' N, 50°07' E, 2700 m, 20.06.1974 (A. Senglet).

**Records in Iran.** Khuzestan, Kohgiluyeh and Boyer-Ahmad, Lorestan, Tehran. New record for Chaharmahal and Bakhtiari.

**Distribution.** Endemic of Iran.

### Oxyopidae Thorell, 1870

#### *Oxyopes lineatus* Latreille, 1806

**Material.** Iran: *Fars Province*, 4♂♂, 2♀♀ (NHMG), Seridjan, 28°57' N, 52°33' E, 7.06.1974 (A. Senglet); *Isfahan Province*, 3♂♂, 6♀♀ (NHMG), Falavarjan, 32°34' N, 51°31' E, 14.06.1974 (A. Senglet); *Kermanshab Province*, 1♂ (NHMG), N.E. of Kanduleh, 34°44' N, 47°17' E, 20.06.1975 (A. Senglet); *Kurdistan Province*, 1♀ (NHMG), S. of Sanandaj, 35°13' N, 47°17' E, 21.06.1975 (A. Senglet); *Lorestan Province*, 1♀ (NHMG), Azna, 33°28' N, 47°00' E, 23.06.1974 (A. Senglet); *Mazandaran Province*, 2♀♀ (NHMG), Delasm, 36°26' N, 51°52' E, 4.08.1974 (A. Senglet); *North Khorasan Province*, 1♂ (NHMG), Bojnurd, 37°29' N, 57°26' E, 26.07.1974 (A. Senglet); *West Azarbayjan Province*, 1♀ (NHMG), N. of Khoy, 38°37' N, 45°02' E, 1.06.1975 (A. Senglet).

**Records in Iran.** Alborz, East Azarbayjan, Fars, Gilan, Golestan, Isfahan, Kerman, Kohgiluyeh and Boyer-Ahmad, Razavi Khorasan, Tehran, West Azarbayjan, Zanjan. New records for Kermanshab, Kurdistan, Lorestan, Mazandaran and North Khorasan.

**Distribution.** West Palaearctic.

#### *Oxyopes mediterraneus* Levy, 1999

**Material.** Iran: *Fars Province*, 1♀ (NHMG), Semargoun, 28°57' N, 52°33' E, 7.06.1974 (A. Senglet).

**Distribution.** It was known in Spain, Greece and Israel. New to Iran, and easternmost record.

### Pholcidae C. L. Koch, 1850

#### *Pholcus phalangoides* (Fuesslin, 1775)

**Material.** Iran: *Mazandaran Province*, 1♂, 5♀♀ (ZFMK), Ghaemshahr, Citrus orchards (det. B.A. Huber); *Razavi Khorasan Province*, 1♀ (ZFMK), Mashhad, Grape orchards (det. B.A. Huber).

**Records in Iran.** Gilan, Golestan, Tehran. New records for Mazandaran and Razavi Khorasan.

**Distribution.** Western Asia. Introduced to both Americas, Europe, Africa, Australia, New Zealand and numerous islands.

### Pisauridae Simon, 1890

#### *Pisaura mirabilis* (Clerck, 1757)

**Material.** Iran: 1♀ (NHMG), *Gilan Province*, Hashtpar, 37°50' N, 48°58' E, 29.06.1973 (A. Senglet); 1♀ (NHMG), *Hamedan Province*, Ganjnameh, 34°44' N, 48°30' E, 2100 m, 4.07.1974 (A. Senglet); 1♀ (NHMG), *Isfahan Province*, Noqan, 33°11' N, 50°04' E, 22.06.1974 (A. Senglet); 1♀ (NHMG), *Kermanshab Province*, Mahi Dasht, 34°14' N, 46°42' E, 29.06.1974 (A. Senglet); 1♀ (NHMG), *Kurdistan Province*, N of Sanandaj, 35°28' N, 47°01' E, 22.06.1975 (A. Senglet); 1♀ (NHMG), *North Khorasan Province*, Bojnurd, 37°29' N, 57°26' E, 26.07.1974 (A. Senglet); 1♀ (NHMG), *Qazvin Province*, Abgarm, 35°41' N, 49°13' E, 5.07.1974 (A. Senglet); 1♀ (NHMG), *West Azarbayjan Province*, Maku, 39°08' N, 44°30' E, 23.06.1973 (A. Senglet).

**Records in Iran.** Ardebil, Fars, Gilan, Golestan, Mazandaran, North Khorasan, Razavi Khorasan, Semnan, Tehran, Zanjan. New records for Hamedan, Isfahan, Kermanshab, Kurdistan, Qazvin and West Azarbayjan.

**Distribution.** West Palaearctic.

#### *Pisaura novicia* (L. Koch, 1878)

**Material examined:** Iran: 1♀ (NHMG), *Gilan Province*, Lahidjan, 37°11' N, 49°54' E, 5.07.1973 (A. Senglet); 1♀ (NHMG), Pareh-Sar, 37°37' N, 49°03' E, 2.07.1973 (A. Senglet); 1♀ (NHMG), Galugah, 37°31' N, 49°19' E, 4.07.1973 (A. Senglet); 1♂3♀♀ (NHMG), Asalem, 37°40' N, 48°52' E, 1200 m, 10.06.1975 (A. Senglet); 1♀ (NHMG), *Mazandaran Province*, road to Djavaherdeh, 36°55' N, 50°33' E, 1200 m, 7.08.1974 (A. Senglet); 4♀♀ (NHMG), Delasm, 36°26' N, 51°52' E, 4.08.1974 (A. Senglet); 5♀♀ (NHMG), Kiyasar, 36°15' N, 53°29' E, 12.07.1975 (A. Senglet); 1♀ (NHMG), E of Baladeh, 36°12' N, 51°57' E, 2000 m, 8.07.1975 (A. Senglet); 2♀♀ (NHMG), Nashtarud, 36°43' N, 51°08' E, 10.07.1973 (A. Senglet); 1♀ (NHMG), Sari, 36°34' N, 53°09' E, 22.07.1973 (A. Senglet); 2♀♀ (NHMG), *Razavi Khorasan Province*, Emamgholi, 37°26' N, 58°30' E, 15.07.74 (A. Senglet).

**Records in Iran.** Gilan, Golestan. New records for Mazandaran and Razavi Khorasan.

**Distribution.** Mediterranean to Central Asia.

### Scytodidae Blackwall, 1864

#### *Scytodes strandi* Spassky, 1941

**Material.** Iran: *Kobgiluyeh and Boyer-Ahmad Province*, 1♀ (NHMG), Charam, 30°28' N, 50°50' E, 22.05.1974 (A. Senglet); *West Azarbayjan Province*, 1♀ (NHMG), Qaraziad-Din, 38°56' N, 45°03' E, 28.05.1975 (A. Senglet).

**Records in Iran.** Mazandaran, Tehran. New record for West Azarbayjan.

**Distribution.** Azarbayjan to Central Asia.

#### *Scytodes univittata* Simon, 1882

**Material.** Iran: *Kerman Province*, 1♀ (SMF), collected in pitfall trap (det. P. Lehtinen).

**Records in Iran.** Bushehr, Fars, Isfahan, Mazandaran, Qom, Tehran. New record for Kerman.

**Distribution.** Iran, India, Turkmenistan, Kyrgyzstan. Introduced to Hawaii, Mexico, Cuba, Venezuela, Brazil, Paraguay, Chile, Canary Is., Spain.

### Segestriidae Simon, 1893

#### *Segestria senoculata* (Linnaeus, 1758)

**Material.** Iran: *Gilan Province*, 2♀♀ (NHMG), road from Masuleh, 37°11' N, 49°07' E, 1000 m, 10.09.1973 (A. Senglet).



**Records in Iran.** Mazandaran. New record for Gilan.

**Distribution.** Europe to Caucasus.

### Sicariidae Keyserling, 1880

#### *Loxosceles rufescens* (Dufour, 1820)

**Material.** Iran: *Kohgiluyeh and Boyer-Ahmad Province*, 1♀ juv. (NHMG), road to Charam, 30°28' N, 50°50' E, 22.05.1974 (A. Senglet).

**Records in Iran.** Alborz, Fars, Hormozgan, Qom, Razavi Khorasan, Mazandaran, Tehran. New record for Kohgiluyeh and Boyer-Ahmad.

**Distribution.** Southern Europe, northern Africa to Iran. Introduced to USA, Macaronesia, South Africa, India, China, Japan, Korea, Laos, Thailand, Australia, Hawaii.

### Tetragnathidae Menge, 1866

#### *Metellina mengi* (Blackwall, 1869)

**Material.** Iran: *Gilan Province*, 1♂, 1♀ (NHMG), Asalem, 37°41' N, 48°51' E, 300–600 m, 30.06.1973 (A. Senglet).

**Records in Iran.** Golestan. New record for Gilan.

**Distribution.** West Palaearctic.

#### *Metellina merianae* (Scopoli, 1763)

**Material.** Iran: *Gilan Province*, 9♂♂, 8♀♀ (NHMG), Parreh-Sar, 37°37' N, 49°03' E, 2.07.1973 (A. Senglet); *Mazandaran Province*, 4♀♀ (NHMG), Nowshahr, 36°37' N, 51°31' E, 3.08.1974 (A. Senglet).

**Records in Iran.** Golestan. New records for Gilan and Mazandaran.

**Distribution.** West Palaearctic.

#### *Metellina orientalis* (Spassky, 1932)

**Material.** Iran: *Kermanshab Province*, 2♂♂ (NHMG), Berendjan, 34°33' N, 47°02' E, 12.09.1975 (A. Senglet); *Mazandaran Province*, 7♂♂, 9♀♀ (NHMG), Baladeh, 36°13' N, 51°49' E, 2200 m, 12.07.1974 (A. Senglet).

**Records in Iran.** Fars, Kohgiluyeh and Boyer-Ahmad, Tehran. New records for Kermanshab and Mazandaran.

**Distribution.** Turkey, Armenia, Iran, Kazakhstan (?), Turkmenistan.

#### *Metellina segmentata* (Clerck, 1757)

**Material.** Iran: *Gilan Province*, 1♂, 4♀♀ (NHMG), Masuleh, 37°11' N, 49°07' E, 1000 m, 10.09.1973 (A. Senglet).

**Distribution.** West Palaearctic. Introduced to Canada. New record to Iran.

#### *Pachygnatha clerckoides* Wunderlich, 1985

**Material.** Iran: *East Azarbaijan Province*, 1♂ (NHMG), Bostanabad, 37°55' N, 46°42' E, 1900 m, 7.06.1975 (A. Senglet); *Kermanshab Province*, 2♂♂, 1♀ (NHMG), Bistoun, 34°23' N, 47°26' E, 15.09.1975 (A. Senglet); *Kurdistan Province*, 8♂♂, 1♀ (NHMG), Marivan, 35°32' N, 46°09' E, 15.09.1975 (A. Senglet); *Tehran Province*, 4♂♂, 3♀♀ (NHMG), Firuzkuh, 35°45' N, 52°46' E, 23.07.1973 (A. Senglet).

**Distribution.** Albania to Ural. New record to Iran.

#### *Pachygnatha degeeri* Sundevall, 1830

**Material.** Iran: *Alborz Province*, 2♂♂, 2♀♀ (NHMG), Asara, 36°02' N, 51°14' E, 1900 m, 4.07.1975 (A. Senglet); *Ardabil Province*, 16♂♂, 13♀♀ (NHMG), Heroabad, 37°42' N, 48°29' E, 10.08.1974 (A. Senglet); *Chaharmahal and Bakhtiari Province*, 1♂, 3♀♀ (NHMG), Kuhrang, 32°28' N, 50°08' E, 19.06.1974 (A. Senglet); *East Azarbaijan Province*, 1♂1♀ (NHMG), Sofian, 38°21' N, 45°50' E, 5.06.1975 (A. Senglet); *Fars Province*, 6♂♂, 4♀♀ (NHMG), Dasht-e Arjan, 29°40' N, 51°59' E, 2.09.1975 (A. Senglet); *Gilan*

*Province*, 3♂♂, 3♀♀ (NHMG), Pareh-Sar, 37°37' N, 49°03' E, 2.07.1973 (A. Senglet); *Hamedan Province*, 2♀♀ (NHMG), Ganjnameh, 34°44' N, 48°30' E, 2250 m, 4.07.1974 (A. Senglet); *Ilam Province*, 1♂, 6♀♀ (NHMG), Tchaharmelleh, 33°57' N, 46°17' E, 28.06.1974 (A. Senglet); *Isfahan Province*, 1♂2♀♀ (NHMG), Kangavar, 34°29' N, 47°55' E, 1.07.1974 (A. Senglet); *Kermanshab Province*, 2♂♂ (NHMG), Kangavar, 34°29' N, 47°55' E, 1.07.1974 (A. Senglet); *Kohgiluyeh and Boyer-Ahmad Province*, 1♂2♀♀ (NHMG), Yasuj, 30°36' N, 51°36' E, 26.05.1974 (A. Senglet); *Kurdistan Province*, 8♂♂, 7♀♀ (NHMG), Sheikh Ata, 35°30' N, 46°28' E, 16.09.1975 (A. Senglet); *Lorestan Province*, 1♂1♀ (NHMG), Malawi-Shahabad, 33°35' N, 47°14' E, 1400 m, 25.06.1974 (A. Senglet); *Mazandaran Province*, 2♂♂ (NHMG), Delasm, 36°26' N, 51°52' E, 4.08.1974 (A. Senglet); *North Khorasan Province*, 1♂, 1♀ (NHMG), Chamanbid, 37°26' N, 56°37' E, 14.07.1974 (A. Senglet); *Qazvin Province*, 1♂, 3♀♀ (NHMG), Agha Baba, 36°19' N, 49°49' E, 29.07.1973 (A. Senglet); *Razavi Khorasan Province*, 1♂, 1♀ (NHMG), Kabkan, 37°17' N, 58°51' E, 16.07.1974 (A. Senglet); *Semnan Province*, 5♂♂, 4♀♀ (NHMG), Arab, 37°40' N, 55°47' E, 15.07.1975 (A. Senglet); *Tehran Province*, 2♂♂, 1♀ (NHMG), Fasham, 35°55' N, 51°32' E, 2000 m, 27.08.1973 (A. Senglet); *Zanjan Province*, 19♂♂, 16♀♀ (NHMG), 36°43' N, 48°21' E, 15.09.1973 (A. Senglet).

**Records in Iran.** East Azarbaijan, Kerman, West Azarbaijan. New records for Alborz, Ardabil, Fars, Gilan, Hamedan, Ilam, Isfahan, Kermanshab, Kurdistan, Kohgiluyeh and Boyer-Ahmad, Lorestan, Mazandaran, North Khorasan, Qazvin, Razavi Khorasan, Tehran, Zanjan.

**Distribution.** Transpalaearctic.

#### *Tetragnatha shoshone* Levi, 1981

**Material.** Iran: *Tebran Province*, 1♂, 1♀ (AMNH\_IZC 00327995, 00327992), Khojir National Park, Takht-e Chenar, 22 August 1998 (A. Savoji).

**Distribution.** Circumholarctic. New record to Iran.

### Theridiidae Sundevall, 1833

#### *Lasaeola tristis* (Hahn, 1833)

**Material.** Iran: *Fars Province*, 1♀ (ZMMU), Shiraz, August 1982 (P. Hassanzadeh).

**Distribution.** West Palaearctic. New to Iran, with the current data representing the southernmost record in its whole range.

#### *Latrodectus dahli* Levi, 1959

**Material.** Iran: *Isfahan Province*, 1♂ (NHMG), Kashan (A. Zamani).

**Records in Iran.** Bushehr, East Azarbaijan, Fars, Hormozgan, North Khorasan, Razavi Khorasan, South Khorasan. New record for Isfahan.

**Distribution.** West Palaearctic.

#### *Robertus arundineti*

#### (O. P.-Cambridge, 1871)

**Material.** Iran: *East Azarbaijan Province*, 3♀♀ (SMF), Makidi, Arasbaran Wildlife Refuge, 1650–1800 m, 6–10.06.78 (leg. J. Martens, H. Pieper).

**Records in Iran.** Fars. New record for East Azarbaijan.

**Distribution.** West Palaearctic.

#### *Steatoda dahli* (Nosek, 1905)

**Material.** Iran: *Kerman Province*, 1♂, 1♀, 2 juv. (NHMG), Rabor, May 2018 (A. Zamani).

**Records in Iran.** Isfahan, Kordestan, Razavi Khorasan, Zanjan. New record for Kerman.

**Distribution.** Turkey to Kyrgyzstan.

*Steatoda maura* (Simon, 1909)

**Material.** Iran: *Hormozgan Province*, 1♀ (NHMG), 75 km N of Bandar Abbas, Siahu, 27°10' N, 55°7' E, 16.2.2018 (A. Zamani).

**Records in Iran.** Razavi Khorasan, Tehran. New record for Hormozgan.

**Distribution.** Greece to Iran.

*Steatoda paykulliana* (Walckenaer, 1805)

**Material.** Iran: *East Azarbaijan Province*, 1♂, 2 juv. (SMF), Urmia (det. A. V. Gromov); *West Azarbaijan Province*, 4♂♂, 14 juv. (SMF), Tabriz (det. A. V. Gromov).

**Records in Iran.** Alborz, Ardebil, Bushehr, Chaharmahal and Bakhtiari, Fars, Gilan, Golestan, Hormozgan, Ilam, Kermanshah, Khuzestan, Kohgiluyeh and Boyer-Ahmad, Kord-estan, Lorestan, Markazi, Mazandaran, Qazvin, Qom, Razavi Khorasan, Semnan, Tehran, Zanjan. New records for East Azarbaijan and West Azarbaijan.

**Distribution.** West Palaearctic.

## Thomisidae Sundevall, 1833

*Runcinia tarabayevi* Marusik et Logunov, 1990

Fig. 1 E-G.

**Material.** Iran: *Yazd Province*, 1♂ (JAZM), Ardakan, September 2017 (A. Zamani).

**Distribution.** Central Asia. New record for Iran, with the current data representing the southernmost record in the whole range.

## Titanocidae Lehtinen, 1967

*Nurscia albomaculata* (Lucas, 1846)

**Material.** Iran: *Fars Province*, 1♀ (NHMG), Sivand, 30°07' N, 52°58' E, 10.06.1974 (A. Senglet); *Golestan Province*, 1♂1♀ (NHMG), Tang-e Rah, 37°23' N, 55°50' E, 13.07.1974 (A. Senglet); *Kermanshab Province*, 3♂♂ (NHMG), Mahi Dasht, 34°14' N, 46°42' E, 29.06.1974 (A. Senglet); *Kohgiluyeh and Boyer-Ahmad Province*, 3♂♂ (NHMG), Charam, 30°44' N, 55°44' E, 5.09.1975 (A. Senglet); *Khuzestan Province*, 1♂, 9♀♀ (NHMG), Behbahan, 30°35' N, 50°16' E, 13.07.1974 (A. Senglet); *North Khorasan Province*, 4♂♂14♀♀ (NHMG), Tang-e Malawi, 33°15' N, 47°48' E, 24.06.1974 (A. Senglet); *North Khorasan Province*, 2♂♂, 2♀♀ (NHMG), Chamanbid, 37°26' N, 56°37' E, 23.05.1974 (A. Senglet); *Qazvin Province*, 1♂, 4♀♀ (NHMG), Agha Baba, 36°19' N, 49°49' E, 6.07.1974 (A. Senglet).

**Records in Iran.** Gilan, Golestan, Kermanshah, Khuzestan, Mazandaran, Razavi Khorasan, Tehran. New records for Kohgiluyeh and Boyer-Ahmad, Lorestan, North Khorasan and Qazvin.

**Distribution.** West Palaearctic.

*Nurscia albosignata* Simon, 1874

**Material.** Iran: *Fars Province*: 1♂, 1♀ (NHMG), Kavar, 29°12' N, 52°37' E, 5.06.1974 (A. Senglet).

**Records in Iran.** Kurdistan, West Azarbaijan. New record for Fars.

**Distribution.** West Palaearctic.

## Trachelidae Simon, 1897

*Orthobula charitonovi* (Mikhailov, 1986)

**Material.** Iran: *Fars Province*, 1♀ (NHMG), Firouzabad, 28°52' N, 52°32' E, 6.06.1974 (A. Senglet); *Kohgiluyeh and Boyer-Ahmad Province*, 1♀ (NHMG), Arow, 30°35' N, 50°43' E, 24.05.1974 (A. Senglet); 6♀♀ (NHMG), Dogonbadan, 30°22' N, 50°47' E, 21.05.1974 (A. Senglet).

**Records in Iran.** Alborz, Fars, Markazi, Tehran. New record for Kohgiluyeh and Boyer-Ahmad.

**Distribution.** Eastern Mediterranean to Central Asia.

*Trachelas minor* O.P.-Cambridge, 1872

**Material.** Iran: *Fars Province*, 2♂♂, 1♀ (NHMG), Bishapour, 29°47' N, 51°35' E, 3.09.1975 (A. Senglet); *Isfahan Province*, 1♂ (NHMG), Falavarian, 32°34' N, 51°31' E, 14.06.1974 (A. Senglet); *Khuzestan Province*, 1♂ (NHMG), Behbahan, 30°35' N, 50°16' E, 5.09.1975 (A. Senglet); *Mazandaran Province*, 1♀ (ZMMU), Nashtarood-Khoshkadaran, 9–10.06.2000 (Y.M. Marusik); *Tehran Province*, 1♂, 5♀♀ (ZMMU), Plant Protection Organization Pk., 7–22.06.2000 (Y. M. Marusik).

**Records in Iran.** Fars, Markazi, Mazandaran. New records for Isfahan, Khuzestan and Tehran.

**Distribution.** West Palaearctic.

## Uloboridae Thorell, 1869

*Octonobayesoensis* (Saito, 1934)

**Material.** Iran: *Gilan Province*, 1♀ (NHMG), Masuleh, 37°11' N, 49°07' E, 1000 m, 10.09.1973 (A. Senglet); *Mazandaran Province*, 1♂1♀ (NHMG), Sari, 36°34' N, 53°09' E, 22.07.1973 (A. Senglet).

**Records in Iran.** Golestan, Mazandaran. New record for Gilan.

**Distribution.** Caucasus — Far East disjunctive range.

*Uloborus plumipes* Lucas, 1846

**Material.** Iran: *Khuzestan Province*, 1♀ (NHMG), Masjed Soleyman, 31°59' N, 49°16' E, 20.05.1974 (A. Senglet); *Kohgiluyeh and Boyer-Ahmad Province*, 2♀♀ (NHMG), Arow, 30°35' N, 50°43' E, 24.05.1974 (A. Senglet); *Lorestan Province*, 2♀♀ (NHMG), Pol-e Dokhtar, 33°10' N, 47°44' E, 17.05.1974 (A. Senglet).

**Records in Iran.** Alborz, Fars, Tehran. New records for Khuzestan, Kohgiluyeh and Boyer-Ahmad and Lorestan.

**Distribution.** Europe, Africa, Yemen, Pakistan, Philippines. Introduced to Argentina.

*Uloborus walckenaerius* Latreille, 1806

**Material.** Iran: *Fars Province*, 2♀♀ (NHMG), Ghaderabad, 30°22' N, 53°18' E, 11.06.1974 (A. Senglet); *Golestan Province*, 1♂, 2♀♀ (NHMG), Kalaleh, 37°19' N, 55°33' E, 1600 m, 17.07.1975 (A. Senglet); *Hamedan Province*, 1♀ (NHMG), 34°46' N, 48°27' E, 29.07.1973 (A. Senglet); *North Khorasan Province*, 2♀♀ (NHMG), Dasht, 37°23' N, 56°13' E, 1600 m, 17.07.1975 (A. Senglet); *Qazvin Province*, 4♀♀ (NHMG), Mo'allem Kelayeh, 36°26' N, 50°27' E, 26.05.1974 (A. Senglet); *West Azarbaijan Province*, 1♀ (NHMG), Qarazia-ed-Din, 38°56' N, 45°03' E, 28.05.1975 (A. Senglet).

**Records in Iran.** Alborz, Golestan, Isfahan, Lorestan, Razavi Khorasan, Semnan, Tehran. New records for Fars, Hamedan, North Khorasan, Qazvin and West Azarbaijan.

**Distribution.** Transpalaearctic.

## Zoropsidae Bertkau, 1882

*Zoropsis lutea* (Thorell, 1875)

Fig. 1 H-I.

**Material.** *Kermanshab Province*, 1♀ (JAZM), Sar Pol-e Zahab, Baba Eskandar Vil, March 2018 (M. Amiri).

**Distribution.** Eastern Mediterranean to Iran, south to Israel. New species, genus and family to Iran. The current record is easternmost in the whole range.

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