

## Survey of spiders (Arachnida: Araneae) in southwestern Iran, with new records

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### Abstract

Twenty-nine locations in Kohgiluyeh & Boyer-Ahmad Province in southwestern Iran were sampled for spiders (Araneae) in 2016–17 using different sampling methods (hand collection, pitfall traps, and aspirators). A total of 196 identifiable specimens were collected which represented 49 species belonging to 38 genera and 15 families. Six species, namely *Cheiracanthium elegans* Thorell, 1875 (Cheiracanthiidae), *Cryptodrassus helvolus* (O. Pickard-Cambridge, 1872) (Gnaphosidae), *Enoplognatha macrochelis* Levy & Amitai, 1981 (Theridiidae), *Xysticus xerodermus* Strand, 1913 (Thomisidae), *Zelotes babunaensis* (Drensky, 1929) and *Z. potanini* Schenkel, 1963 (both Gnaphosidae) had not been previously reported from Iran. Also, an additional number of 35 species represent new records for the province.

**Key words:** distribution; faunistics; Kohgiluyeh & Boyer-Ahmad.

### Introduction

Spiders (Araneae) comprise over 48,325 recognized species globally, representing 120 families and 4145 genera (World Spider Catalog 2019). In their review, Zamani *et al.* (2019) listed 717 species of spiders from 281 genera and 49 families in Iran. The study presented herein was focused on identifying the spider fauna of Kohgiluyeh & Boyer-Ahmad Province which, to date, has been poorly studied. This province has an area of 15519.75 km<sup>2</sup> and is located in southwestern Iran (29°95'–31°45'N, 49°57'–50°42'E). The highest elevation is Dena peak (4409 m above sea level) with Lishter (500 m above sea level) being the lowest elevation.

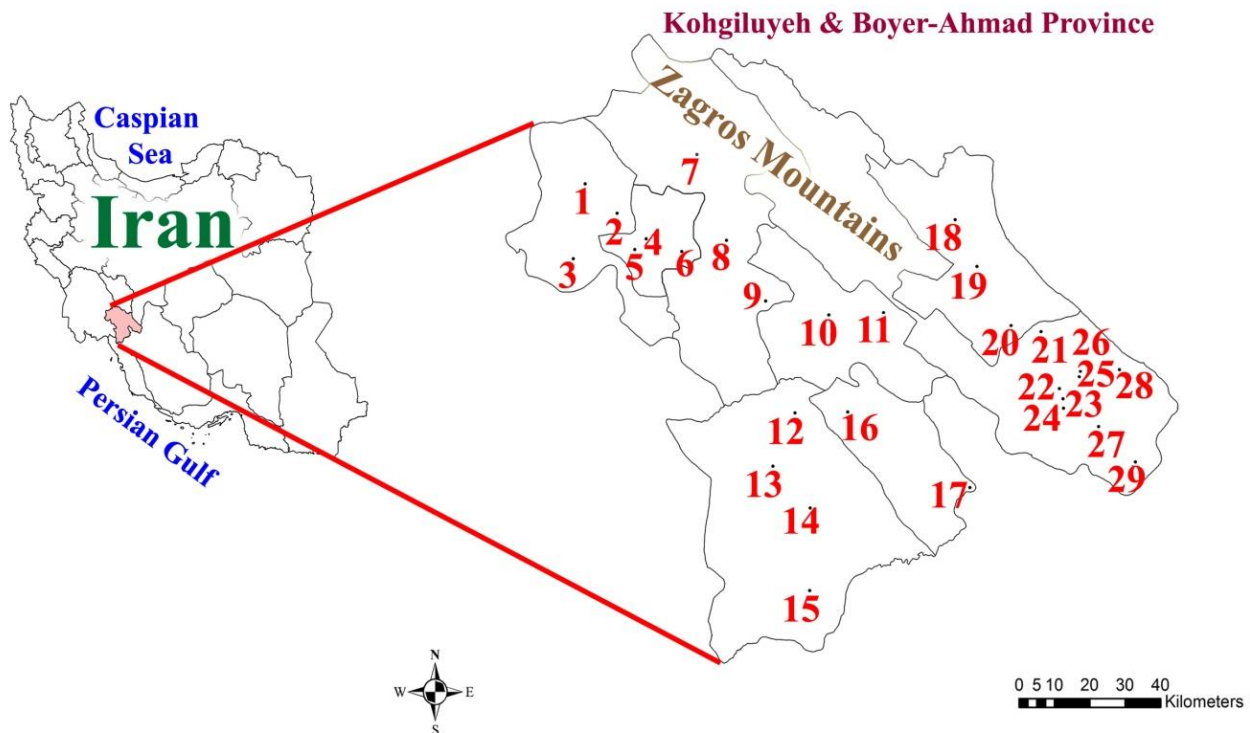
Prószyński (1992) was the first to the identity of spiders in Kohgiluyeh & Boyer-Ahmad when he documented the occurrence of the salticid *Plexippoides flavescens* (O. Pickard-Cambridge, 1872) in the province. Since then, there have been a few faunistic (e.g. Tanasevitch 2008; Senglet 2011; Malek-Hosseini *et al.* 2015a; Zamani 2015, 2016; Zamani & Mozaffarian 2017) and taxonomic (e.g. Kranz-Baltensperger *et al.* 2009; Platnick *et al.* 2012; Malek-Hosseini *et al.* 2015b; Zamani *et al.* 2017; Moradmand 2017) papers

dealing with spiders of this region. Therefore, this study was carried out to gain more data on the araneofauna of Kohgiluyeh & Boyer-Ahmad.

## Materials and Methods

Sampling was conducted between April 2016 and May 2017. Due to the diverse geography and environmental conditions in the province, 29 locations were chosen and sampled during this study (Fig. 1). Sampling was conducted at least four times at each site, two times during the day and two times during the night and covered up a radius of 500 m. Specimens were collected from inside and outside of structures, in residential areas, and in various habitats using hand collection, pitfall traps, and aspirators. Collected specimens were preserved in 70% (v/v) ethanol. All of the specimens were collected by the first author.

The epigynes of some of the female specimens were removed, cleared, and cleaned with 10% (w/v) potassium hydroxide solution for species identification using the online database by Nentwig *et al.* (2019) (unless stated otherwise). All specimens were deposited in the Entomological Museum of Shiraz University of Medical Sciences (EMSUMS). Nomenclature and global distribution information are according to the World Spider Catalog (2019), while previous Iranian records are according to Zamani *et al.* (2019) and some recent publications, mentioned as “Iranian provinces”.



**Figure 1.** Maps of Iran and Kohgiluyeh & Boyer-Ahmad Province, with indications on the sampling sites. **1:** Mombi, **2:** Sarasiyab, **3:** Seyedsafi, **4:** Ali Tayeb, **5:** Ghiyam, **6:** Idenak, **7:** Ghale Raeisi, **8:** Kalat, **9:** Kalayeh, **10:** Sarfariyab, **11:** Emamzadeh Ali, **12:** Dil, **13:** Chaharbisheh-e Sofla, **14:** Pasheh Kaan, **15:** Baba Kalan, **16:** Shadegan, **17:** Bahr-e Ana, **18:** Lama, **19:** Semeron, **20:** Rahmali, **21:** Deh Baraftab, **22:** Chenarestan, **23:** Morderaz, **24:** Shah-ghasem Dam, **25:** Yasuj, **26:** Park-e Jangali, **27:** Vezg, **28:** Ab-Nahr, **29:** Tang-e Sorkh.

## Results

The sampling resulted in the collection of 195 identifiable specimens representing 49 species of 38 genera and 15 families. A list of species with corresponding information on collection, taxonomic resource, and distribution notes follows herein.

**Araneidae Clerck, 1757**

***Cyrtophora citricola* (Forsskål, 1775)**

**Material:** 1j, Dil, 30°55'41"N, 50°76'17"E, June 2016.

**Iranian provinces:** Hormozgan. First report from Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Southern Europe, Africa, Middle East, Pakistan, India, China, Japan. Introduced to Dominican Rep., Costa Rica, Colombia, Brazil.

**Cheiracanthiidae Wagner, 1887**

***Cheiracanthium elegans* Thorell, 1875**

**Material:** 1♂, Vezg, 30°54'25"N, 51°65'81"E, July 2016.

**Distribution:** Europe, Turkey, Caucasus, Russia (Europe to South Siberia), Kazakhstan, Central Asia. First report from Iran and representing the southernmost locality in its known distribution.

***Cheiracanthium mildei* L. Koch, 1864**

**Material:** 1♀, Yasuj, 30°67'16"N, 51°57'50"E, April 2016; 1j, Yasuj, 30°67'16"N, 51°57'50"E, October 2016; 1♂, Yasuj, 30°67'16"N, 51°57'50"E, September 2016; 1♀, Morderaz, 30°61'11"N, 51°55'53"E, September 2016; 1♂, Yasuj, 30°67'04"N, 51°57'45"E, May 2017.

**Iranian provinces:** Golestan, Kerman, Kermanshah, Kohgiluyeh & Boyer-Ahmad, Mazandaran, Razavi Khorasan, Semnan, Tehran, and West Azerbaijan.

**Distribution:** Europe, North Africa, Turkey, Middle East, Caucasus, Russia (Europe) to Central Asia. Introduced to North America, Argentina.

**Dictynidae O. P.-Cambridge, 1871**

***Nigma flavescens* (Walckenaer, 1830)**

**Material:** 1♂, Deh Baraftab, 30°77'47"N, 51°51'42"E, May 2017.

**Iranian provinces:** Isfahan and Mazandaran. First report from Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Europe, Caucasus, Iran.

**Gnaphosidae Pocock, 1898**

***Civizelotes solstitialis* (Levy, 1998)**

**Material:** 1♀, Rahmali, 30°79'05"N, 51°38'98"E, May 2016; 1♂, Rahmali, 30°79'05"N, 51°38'98"E, July 2016.

**Iranian provinces:** Alborz, Kurdistan, Razavi Khorasan and Zanjan. First report from Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Bulgaria, Greece, Crete, Turkey, Israel, Iran.

***Cryptodrassus helvolus* (O. Pickard-Cambridge, 1872)**

**Material:** 1♂1j, Rahmali, 30°79'05"N, 51°38'98"E, June 2016.

**Distribution:** Cyprus, Israel, Russia (Europe). This is the first record of the genus *Cryptodrassus* in Iran, and represents the easternmost locality of the species in its known distribution.

***Drassodes lapidosus* (Walckenaer, 1802)**

**Material:** 1♀, Semeron, 30°93'05"N, 51°28'67"E, May 2017; 1♂1♀, Lama, 31°04'78"N, 51°21'71"E, May 2017.

**Iranian provinces:** East or West Azerbaijan, Gilan, Golestan, Kerman, Kermanshah, Kurdistan, Mazandaran, Razavi Khorasan, Semnan, Tehran, and Zanjan. First report from Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Europe, Turkey, Israel, Caucasus, Russia (Europe to Far East), Central Asia, China, Korea, Japan.

***Drassyllus praeficus* (L. Koch, 1866)**

**Material:** 1♂, Deh Baraftab, 30°77'47"N, 51°51'42"E, May 2017; 1♀, Tang-e Sorkh, 30°43'84"N, 51°76'49"E, April 2016.

**Iranian provinces:** Fars, Golestan, Ilam, Lorestan, North Khorasan, Zanjan. First report from Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Europe to Central Asia.

***Haplodrassus signifer* (C. L. Koch, 1839)**

**Material:** 1♀, Sarasiyab, 31°03'63"N, 50°21'82"E, April 2017; 1♂, Seyedsafi, 30°92'06"N, 50°08'76"E, April 2017; 1♂, Sarfariyab, 30°79'93"N, 50°85'34"E, May 2017; 1♀, Semeron, 30°93'05"N, 51°28'67"E, May 2017; 2♂1♀1j, Deh Baraftab, 30°77'47"N, 51°51'42"E, May 2017.

**Iranian provinces:** Kermanshah, Kurdistan, Lorestan, Razavi Khorasan, and Zanjan; first report from Kohgiluyeh & Boyer-Ahmad.

**Distribution:** North America, Europe, North Africa, Turkey, Israel, Caucasus, Russia (Europe to Far East), Central Asia, China, Korea.

***Nomisia conigera* (Spassky, 1941)**

**Material:** 1♂, Shah-ghasem Dam, 30°57'50"N, 51°56'69"E, April 2016; 1♂, Rahmali, 30°79'05"N, 51°38'98"E, April 2016; 1♂, Sarasiyab, 31°03'63"N, 50°21'82"E, May 2017; 2♀, Seyedsafi, 30°92'06"N, 50°08'76"E, April 2017; 1♀, Seyedsafi, 30°92'06"N, 50°08'76"E, May 2017; 1♂1♀, Ali Tayeb, 30°97'00"N, 50°29'81"E, April 2017; 2♀, Ali Tayeb, 30°97'00"N, 50°29'81"E, May 2017; 1♂, Semeron, 30°93'05"N, 51°28'67"E, May 2017; 1♂2♀, Kalayeh, 30°83'08"N, 50°66'94"E, April 2017; 1♂2♀, Ghiyam, 30°92'81"N, 50°27'43"E, April 2017; 4♀, Ghiyam, 30°92'81"N, 50°27'43"E, May 2017; 1♂1♀, Baba Kalan, 30°11'42"N, 50°82'05"E, April 2017; 2♀, Ghale Raeisi, 31°18'71"N, 50°44'76"E, May 2017; 1♂1♀, Kalat, 30°66'80"N, 50°54'48"E, April 2017.

**Iranian provinces:** Ardabil, East or West Azerbaijan, Kermanshah, Kurdistan, Tehran, and Zanjan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Turkey, Caucasus, Iran, Kazakhstan, Central Asia.

***Nomisia ripariensis* (O. Pickard-Cambridge, 1872)**

**Material:** 1♂, Kalayeh, 30°83'08"N, 50°66'94"E, April 2017.

**Iranian provinces:** Golestan, Kerman, Kermanshah, Mazandaran, Razavi Khorasan, and Tehran. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Bulgaria, Greece (incl. Crete), Turkey, Caucasus (Russia, Azerbaijan), Syria, Lebanon, Israel, Iran.

***Pterotricha strandi* Spassky, 1936**

**Material:** 1♀, Shadegan, 30°56'24"N, 50°91'99"E, April 2017; 1♂, Shadegan, 30°56'24"N, 50°91'99"E, May 2017; 1♂, Pasheh Kaan, 30°31'80"N, 50°81'60"E, April 2017.

**Iranian provinces:** Bushehr, Fars, Hormozgan, Isfahan, Kerman, Kohgiluyeh & Boyer-Ahmad, and Tehran.

**Distribution:** Iran, Afghanistan, Turkmenistan, India.

***Setaphis carmeli* (O. Pickard-Cambridge, 1872)**

**Material:** 1♂, Sarasiyab, 31°03'63"N, 50°21'82"E, May 2017; 1♂, Seyedsafi, 30°92'06"N, 50°08'76"E, May 2017.

**Iranian provinces:** Ilam, Lorestan. First record for Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Canary Is., Mediterranean.

***Trachyzelotes jaxartensis* (Kroneberg, 1875)**

**Material:** 1♂1♀, Kalat, 30°66'80"N, 50°54'48"E, April 2017.

**Iranian provinces:** Alborz, Isfahan, Kerman, Kermanshah, Razavi Khorasan, Semnan, Tehran, and Zanjan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Northern Africa to Caucasus, Russia (Europe) to Central Asia, Iran. Introduced to Hawaii, USA, Mexico, South Africa, India, China.

***Zelotes babunaensis* (Drensky, 1929)**

**Material:** 3♂4♀, Vezg, 30°54'25"N, 51°65'81"E, July 2016.

**Distribution:** Macedonia, Greece. First record for Iran and representing the southeasternmost locality in its known distribution.

***Zelotes potanini* Schenkel, 1963**

**Material:** 1♂1j, Bahr-e Ana, 30°38'41"N, 51°28'09"E, September 2016.

**Distribution:** Russia (Urals to Far East), Kazakhstan, China, Korea, Japan. First record for Iran and representing the southernmost locality in its known distribution.

**Linyphiidae Blackwall, 1859**

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

**Material:** 4♀, Dil, 30°55'41"N, 50°76'17"E, June 2016.

**Iranian provinces:** Alborz, Gilan, Golestan, Ilam, Mazandaran, North Khorasan, Qazvin, Tehran and Zanjan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Europe, North Africa, Turkey, Caucasus, Iran, Russia (Europe to South Siberia), Kazakhstan, Central Asia.

**Lycosidae Sundevall, 1833**

***Alopecosa cursor* (Hahn, 1831)**

**Material:** 1♀, Rahmali, 30°79'05"N, 51°38'98"E, April 2016; 1♂, Chenarestan, 30°63'44"N, 51°55'05"E, March 2017; 3♂2♀, Park-e Jangali, 30°24'27"N, 51°21'24"E, March 2017.

**Iranian provinces:** Razavi Khorasan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Europe, Turkey, Caucasus, Russia (Europe to South Siberia), Central Asia, China.

***Arctosa leopardus* (Sundevall, 1833)**

**Material:** 1♂, Ab-Nahr, 30°69'48"N, 51°68'83"E, April 2016.

**Iranian provinces:** Gilan, Golestan, Ilam, Kermanshah, Mazandaran, Razavi Khorasan, and Zanjan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Europe, Turkey, Caucasus, Russia (Europe to South Siberia), Central Asia.

***Arctosa tbilisiensis* Mcheidze, 1946**

**Material:** 1♀, Vezg, 30°54'25"N, 51°65'81"E, July 2016; 1♂, Kalat, 30°66'80"N, 50°54'48"E, April 2017.

**Iranian provinces:** Alborz, Gilan, Golestan, Ilam, Isfahan, Kermanshah, Kurdistan, Markazi, Mazandaran, North Khorasan, Qazvin, Qom, Razavi Khorasan, South Khorasan, Tehran, and Zanjan. First report in Kohgiluyeh & Boyer-Ahmad and representing the southernmost locality in its known distribution.

**Distribution:** Bulgaria, Greece to Georgia, Turkey, Iraq, Iran.

***Aulonia kratochvili* Dunin, Buchar & Absolon, 1986**

**Material:** 1♀, Vezg, 30°54'25"N, 51°65'81"E, July 2016; 1j, Rahmali, 30°79'05"N, 51°38'98"E, July 2016.

**Iranian provinces:** Alborz, Golestan, Kermanshah, Kurdistan, Markazi, and Zanjan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Greece to Central Asia, Israel, Iran.

***Hogna radiata* (Latreille, 1817)**

**Material:** 2♂2♀, Chenarestan, 30°63'44"N, 51°55'05"E, July 2016.

**Iranian provinces:** Alborz, Fars, Gilan, Golestan, Kermanshah, Kurdistan, Markazi, Mazandaran, North Khorasan, Razavi Khorasan, Tehran, West Azerbaijan, and Zanjan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Europe, Turkey, Caucasus, Russia (Europe to South Siberia), Iran, Kazakhstan, Central Asia.

***Lycosa praegrands* C. L. Koch, 1836**

**Material:** 3♂1sub♂, Rahmali, 30°79'05"N, 51°38'98"E, May 2016.

**Iranian provinces:** Alborz, Golestan, Ilam, Khuzestan, Razavi Khorasan, Mazandaran, and Tehran. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Albania, Macedonia, Bulgaria, Greece, Turkey, Ukraine, Russia (Europe), Caucasus, Iran, Kazakhstan, Central Asia.

***Pardosa buchari* Ovtsharenko, 1979**

**Material:** 1♂, Ab-Nahr, 30°69'48"N, 51°68'83"E, August 2016.

**Iranian provinces:** Golestan, Kohgiluyeh & Boyer-Ahmad, Markazi, Mazandaran, Tehran, Zanjan.

**Distribution:** Ukraine, Caucasus (Russia, Georgia, Azerbaijan), Iran.

***Wadicosa fidelis* (O. Pickard-Cambridge, 1872)**

**Material:** 4♂5♀1j, Bahr-e Ana, 30°38'41"N, 51°28'09"E, September 2016; 1♂3♀, Chaharbisheh-e Sofla, 30°42'47"N, 50°70'37"E, June 2016.

**Iranian provinces:** Golestan, Hormozgan, Ilam, Kermanshah, Khuzestan, Kurdistan, and Razavi Khorasan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Macaronesia, North Africa, Southern Europe, Caucasus, Middle East, Central Asia, China, Japan.

**Miturgidae Simon, 1886**

***Prochora lycosiformis* (O. Pickard-Cambridge, 1872)**

**Material:** 1♂, Kalat, 30°66'80"N, 50°54'48"E, April 2017.

**Iranian provinces:** Ilam, Kerman, and Kermanshah. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Italy (mainland, Sicily), Israel, Iran.

**Philodromidae Thorell, 1870**

***Thanatus fabricii* (Audouin, 1826)**

**Material:** 1♂, Idenak, 30°94'48"N, 50°41'22"E, April 2017; 1♂1♀, Ghale Raeisi, 31°18'71"N, 50°44'76"E, May 2017.

**Iranian provinces:** Fars, Kermanshah. First record for Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Canary Is., Northern Africa, Portugal, Spain, Greece (Crete), Turkey, Caucasus, Middle East, Iran, Kazakhstan, Central Asia.

***Thanatus formicinus* (Clerck, 1757)**

**Material:** 1♀, Sarasiyab, 31°03'63"N, 50°21'82"E, April 2017; 1♀, Semeron, 30°93'05"N, 51°28'67"E, May 2017.

**Iranian provinces:** Fars, Golestan, Isfahan, North Khorasan (?), Razavi Khorasan, Tehran. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** North America, Europe, North Africa, Turkey, Caucasus, Russia (Europe to Far East), Iran, Kazakhstan, Central Asia, China, Japan.

***Thanatus imbecillus* L. Koch, 1878**

**Material:** 1♂1♀, Shah-ghasem Dam, 30°57'50"N, 51°56'69"E, April 2016; 1♂, Ab-Nahr, 30°69'48"N, 51°68'83"E, April 2016.

**Iranian provinces:** Isfahan, Lorestan, Tehran. First record for Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Greece, Macedonia, Bulgaria, Ukraine, Caucasus, Russia (Europe, Urals), Iran, Central Asia.

***Thanatus vulgaris* Simon, 1870**

**Material:** 1♀, Vezg, 30°54'25"N, 51°65'81"E, July 2016.

**Iranian provinces:** Alborz, Fars, Golestan, Hormozgan, Ilam, Isfahan, Kermanshah, Mazandaran, Khuzestan, Qazvin, Tehran, Zanjan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** North America, Europe, North Africa, Turkey, Israel, Caucasus, Russia (Europe to Far East), Iran, Kazakhstan, Central Asia, China, Korea.

**Pholcidae C. L. Koch, 1850**

***Artema doriae* (Thorell, 1881)**

**Material:** 1♀1j, Chenarestan, 30°63'44"N, 51°55'05"E, March 2017; 1♀, Chenarestan, 30°63'44"N, 51°55'05"E, September 2016; 1j, Chenarestan, 30°63'44"N, 51°55'05"E, July 2016; 1♀, Chaharbisheh-e Sofla, 30°42'47"N, 50°70'37"E, June 2016; 1♂, Ab-Nahr, 30°69'48"N, 51°68'83"E, August 2016; 1♀, Yasuj, 30°65'05"N, 51°60'25"E, April 2016; 1♀1j, Morderaz, 30°61'11"N, 51°55'53"E, September 2016.

**Iranian provinces:** Alborz, Fars, Hamedan, Isfahan, Kerman, Kermanshah, Khuzestan, Kohgiluyeh & Boyer-Ahmad, Lorestan, Mazandaran, Razavi Khorasan, Semnan, Tehran, Yazd, and Zanjan.

**Distribution:** Turkey, Israel, United Arab Emirates, Iran, Afghanistan. Introduced to Japan.

**Salticidae Blackwall, 1841**

***Chalcoscirtus cf. lepidus* Wesolowska, 1996**

**Identification:** Wesolowska (1996)

**Material:** 1♀, Sarasiyab, 31°03'63"N, 50°21'82"E, May 2017.

**Iranian provinces:** Tehran. First report in Kohgiluyeh & Boyer-Ahmad but shall be considered as provisional until confirmation with collection of males.

**Distribution:** Central Asia, Iran.

***Pellenes bonus* Logunov, Marusik & Rakov, 1999**

**Material:** 1♂, Deh Baraftab, 30°77'47"N, 51°51'42"E, May 2017.

**Iranian provinces:** Razavi Khorasan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Ukraine (Crimea), Azerbaijan, Iran, Turkmenistan.

***Philaeus chrysops* (Poda, 1761)**

**Material:** 1♂, Park-e Jangali, 30°24'27"N, 51°21'24"E, April 2016; 1♂, Lama, 31°04'78"N, 51°21'71"E, May 2017.

**Iranian provinces:** Alborz, Chaharmahal & Bakhtiari, Fars, Golestan, Ilam, Isfahan, Kermanshah, Khuzestan, Kohgiluyeh & Boyer-Ahmad, Kurdistan, Lorestan, Markazi, Mazandaran, Qom, Razavi Khorasan, Semnan, Tehran, and Zanjan.

**Distribution:** Europe, North Africa to Middle East, Turkey, Caucasus, Russia (Europe to Far East), Iran, Central Asia, Afghanistan, China, Mongolia, Korea.

***Plexippus clemens* (O. Pickard-Cambridge, 1872)**

**Material:** 1♀, Yasuj, 30°67'16"N, 51°57'50"E, July 2016.

**Iranian provinces:** Khuzestan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Algeria, Egypt, Turkey, Israel, Yemen, India, Iran.

***Salticus tricinctus* (C. L. Koch, 1846)**

**Material:** 1♀, Lama, 31°04'78"N, 51°21'71"E, May 2017; 7♂1♀, Deh Baraftab, 30°77'47"N, 51°51'42"E, May 2017.

**Iranian provinces:** Fars, Lorestan, Mazandaran, Razavi Khorasan, and Tehran. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Mediterranean to Central Asia.

**Tetragnathidae Menge, 1866**

***Tetragnatha extensa* (Linnaeus, 1785)**

**Material:** 3♀, Bahr-e Ana, 30°38'41"N, 51°28'09"E, September 2016.

**Iranian provinces:** Ardabil, East or West Azerbaijan, Gilan, Golestan, Kerman, Kohgiluyeh & Boyer-Ahmad, Mazandaran, North Khorasan (?), Qazvin, and Razavi Khorasan (?).

**Distribution:** North America, Greenland, Europe, Turkey, Caucasus, Iraq, Iran, Russia (Europe to Far East), temperate Asia including China, Korea, Japan.

**Theridiidae Sundevall, 1833**

***Enoplognatha macrochelis* Levy & Amitai, 1981**

**Material:** 1♀, Baba Kalan, 30°11'42"N, 50°82'05"E, April 2017; 1♀, Sarasiyab, 31°03'63"N, 50°21'82"E, May 2017.

**Distribution:** Macedonia, Greece, Turkey, Cyprus, Israel, Azerbaijan. First record for Iran, representing the southeasternmost locality in its known distribution.

***Enoplognatha mediterranea* Levy & Amitai, 1981**

**Material:** 1♀, Sarasiyab, 31°03'63"N, 50°21'82"E, April 2017; 2♀, Seyedsafi, 30°92'06"N, 50°08'76"E, May 2017; 4♀3j, Sarfariyab, 30°79'93"N, 50°85'34"E, May 2017; 9♀, Semeron, 30°93'05"N, 51°28'67"E, May 2017; 1♀, Lama, 31°04'78"N, 51°21'71"E, May 2017; 3♀, Deh Baraftab, 30°77'47"N, 51°51'42"E, May 2017; 5♀, Rahmali, 30°79'05"N, 51°38'98"E, March 2017; 2♀, Baba Kalan, 30°11'42"N, 50°82'05"E, April 2017.

**Iranian provinces:** Ardabil. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Turkey, Cyprus, Israel, Azerbaijan, Iran.

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

**Material:** 1♂, Emamzadeh Ali, 30°81'04"N, 51°02'04"E, May 2017.

**Iranian provinces:** Isfahan, Kurdistan, Razavi Khorasan, and Zanjan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Turkey, Israel, Caucasus, Russia (Europe) to Central Asia.

***Steatoda paykulliana* (Walckenaer, 1805)**

**Material:** 1j, Yasuj, 30°65'12"N, 51°61'08"E, April 2016; 2♀, Semeron, 30°93'05"N, 51°28'67"E, May 2017; 1♂1♀, Shadegan, 30°56'24"N, 50°91'99"E, May 2017; 1♀, Lama, 31°04'78"N, 51°21'71"E, May 2017; 1♀, Rahmali, 30°79'05"N, 51°38'98"E, March 2017.

**Iranian provinces:** Alborz, Ardabil, Bushehr, Chaharmahal & Bakhtiari, Fars, Gilan, Golestan, Hormozgan, Ilam, Kermanshah, Khuzestan, Kohgiluyeh & Boyer-Ahmad, Kurdistan, Lorestan, Markazi, Mazandaran, Qazvin, Qom, Razavi Khorasan, Semnan, Tehran, and Zanjan.

**Distribution:** Europe, Mediterranean to Central Asia.

**Thomisidae Sundevall, 1833**

***Bassaniodes loeffleri* (Roewer, 1955)**

**Material:** 1♀, Park-e Jangali, 30°24'27"N, 51°21'24"E, April 2016.

**Iranian provinces:** Fars, Gilan, West Azerbaijan, and Zanjan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Greece, Turkey, Caucasus, Iran, Kazakhstan, Central Asia.

***Synema globosum* (Fabricius, 1775)**

**Material:** 1♀, Idenak, 30°94'48"N, 50°41'22"E, May 2017.

**Iranian provinces:** Fars, Gilan, Golestan, Mazandaran, North Khorasan (?), South Khorasan, Tehran, and Zanjan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Europe, Turkey, Caucasus, Russia (Europe to Far East), Israel, Iran, Central Asia, China, Korea, Japan.

***Thomisus zyuzini* Marusik & Logunov, 1990**

**Material:** 1♀, Yasuj, 30°65'05"N, 51°61'08"E, July 2016.

**Iranian provinces:** Alborz, Fars, Isfahan, Kerman, Qazvin, Razavi Khorasan, Tehran. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Turkey, Saudi Arabia to Central Asia.

***Xysticus edax* (O. Pickard-Cambridge, 1872)**

**Material:** 1♀, Shadegan, 30°56'24"N, 50°91'99"E, May 2017; 1♀, Pasheh Kaan, 30°31'80"N, 50°81'60"E, April 2017; 1♂, Mombi, 31°10'59"N, 50°11'54"E, May 2017.

**Iranian provinces:** Razavi Khorasan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Turkey, Israel, Iraq, Iran.

***Xysticus xerodermus* Strand, 1913**

**Material:** 1♀, Lama, 31°04'78"N, 51°21'71"E, May 2017.

**Distribution:** Turkey, Israel. First record for Iran, representing the southeasternmost locality in its known distribution.

**Titanoecidae Lehtinen, 1967**

***Nurscia albomaculata* (Lucas, 1846)**

**Material:** 1♂, Rahmali, 30°79'05"N, 51°38'98"E, May 2016; 1♂, Kalat, 30°66'80"N, 50°54'48"E, April 2017.

**Iranian provinces:** Gilan, Golestan, Kermanshah, Mazandaran, Razavi Khorasan, and Tehran. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Europe, Turkey, Egypt to Central Asia.



***Nurscia albosignata* Simon, 1874**

**Material:** 2♂1♀, Rahmali, 30°79'05"N, 51°38'98"E, June 2016.

**Iranian provinces:** Kurdistan and West Azerbaijan. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** South-eastern and eastern Europe to Central Asia.

**Uloboridae Thorell, 1869**

***Uloborus walckenaerius* Latreille, 1806**

**Material:** 1j, Dil, 30°55'41"N, 50°76'17"E, June 2016.

**Iranian provinces:** Alborz, Golestan, Isfahan, Lorestan, Razavi Khorasan, Semnan, and Tehran. First report in Kohgiluyeh & Boyer-Ahmad.

**Distribution:** Madeira, Europe, Turkey, Caucasus, Russia (Europe to Far East), Iraq, Iran, Central Asia, China, Korea, Japan.

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