

A checklist of Iranian spiders (Aranei)

Систематический список пауков Ирана (Aranei)

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KEY WORDS: Spiders, Iran, checklist, synonymy, new combination.

КЛЮЧЕВЫЕ СЛОВА: Пауки, Иран, систематический список, новая синонимия, новая комбинация.

ABSTRACT: To date 141 species of spiders belonging to 25 families have been recorded from Iran. *Geolycosa altera* Roewer, 1955 was found to be a junior synonym of *Hogna radiata* (Latreille, 1817). Four species of lycosid spiders were transferred to *Trochosa*: *T. austrocaspia* (Roewer, 1955), comb.n. ex *Loculla*, *T. flavichelis* (Roewer, 1955) comb.n., ex *Geolycosa*, *T. nava* (Roewer, 1955), comb.n., ex *Arctosa*, *T. persica* (Roewer, 1955) comb.n., ex *Dingosa*.

РЕЗЮМЕ: На территории Ирана зарегистрирован 141 вид пауков относящихся к 25 семействам. Установлено, что *Geolycosa altera* Roewer, 1955 является младшим синонимом *Hogna radiata* (Latreille, 1817). Для четырех видов пауков-волков установлены новые комбинации *Trochosa austrocaspia* (Roewer, 1955), comb.n. ex *Loculla*, *Trochosa flavichelis* (Roewer, 1955) comb.n., ex *Geolycosa*, *Trochosa nava* (Roewer, 1955), comb.n., ex *Arctosa*, *Trochosa persica* (Roewer, 1955) comb.n., ex *Dingosa*.

Introduction

The first spider collections in Persia (Iran) were made by Keyserling and Bienert in 1859. This material is stored in the Zoological Institute, St. Petersburg (ZISP), and was studied by us. The first published spider record from Iran was by Thorell [Thorell in Simon, 1893] who described a new species of *Artema*. In the first half of the 20th century three papers dealt partly with spiders from Iran, namely black-widows and *Argiope*, have been published: Pocock [1903], Werner [1936] and Pavlovsky [1942]. In the beginning of the 20th century Russian expeditions to Iran were undertaken by E.M. Filippovich in 1904, and by A. Kirichenko in 1914. Like Keyserling's material, their collections were stored in ZISP. While these spiders were partially identified by the late D. Kharitonov, this data remained unpublished. In the 1960s and 1970s, several expeditions to Iran were organized by Austrian, Italian, American, Swiss and

German zoologists. Partial results of these expeditions were published in several faunistic and taxonomic papers: Roewer [1955, 1959], Brignoli [1972, 1978, 1979, 1980, 1982], Senglet [1974], Wesołowska [1986], Prószyński [1992], Ovtsharenko et al. [1994], Saaristo & Tanasevitch [1995], Wunderlich [1995], Logunov [1999, 2001a,b], Logunov & Marusik [1999, 2000].

All of the above mentioned publications, as well as five recently published abstracts and papers by Iranian students [Mirshamsi & Darvish, 1997; Goodarzi & Akbari, 1998; Goodarzi et al., 1998; Mozaffarian et al., 1998, 2000], contain information about the occurrence of 141 spider species in Iran. These species belong to 25 families. All available information on the occurrence and distribution of spiders within Iran is summarized in the check-list given below. We faced some problems in placing several localities recorded in the literature within recent provinces. Some of the place names were probably misspelled, others are very common and present in several provinces.

The taxonomic positions of some incorrectly placed species have been changed.

Species described from Iran are marked by asterisk (*).

Survey of species

AGELENIDAE (1 species)

Agelena orientalis C.L. Koch, 1841

RECORDS. Mazandaran [Brignoli, 1978].

ARANEIDAE (12)

Aculepeira ceropegia (Walckenaer, 1802) (?)

RECORDS. Kerman [Roewer, 1955].

COMMENTS. Identification of this species was based on 25 females. Judging from the distribution of *A. ceropegia* (west of Caucasus, cf. Marusik, 1985) it seems that the specimens were misidentified. The record from SE Iran is the southernmost record of the genus in West Palaearctic.

Araneus angulatus Clerck, 1758
RECORDS. Gilan and Mazandaran [Mozaffarian et al., 1998, 2000]

Araniella cucurbitina (Clerck, 1758)
RECORDS. Mazandaran [Roewer, 1955].

Argiope bruennichii (Scopoli, 1772)
RECORDS. Fars [Roewer, 1955], Mazandaran [Mozaffarian et al., 1998 & 2000]

Argiope clarckii Blackwall, 1865 (?)
RECORDS. Bushehr [Pocock, 1903; Levy, 1997].
COMMENTS. Might be a misidentification. While in Platnick's catalogue this species is listed as a junior synonym of *A. sector* (Forskål, 1775), we follow Levy's [1997] opinion about status of *A. clarckii*.

Argiope lobata (Pallas, 1772)
RECORDS. Fars, Kerman [Roewer, 1955].

Cyphepeira silvicultrix (C.L. Koch, 1835) (?)
RECORDS. Gilan [Roewer, 1955].

Hypsosinga pygmaea (Suundevall, 1831)
RECORDS. Gilan [Mozaffarian et al., 1998, 2000].

Larinioides cornutus (Clerck, 1758) (?)
RECORDS. The record from Khorramabad may refer to Mazandaran, Fars, West Azerbaijan or Kerman Provinces [Roewer, 1955]. Most probably it was collected in Kerman.
COMMENTS. It seems that species was wrongly identified, and Roewer dealt with the sibling species *L. folium* (Schranck, 1803).

Larinioides folium (Schranck, 1803) *sensu* Thaler, 1974
RECORDS. Gilan and Mazandaran [Mozaffarian et al., 1998, 2000].

COMMENTS. Levy [1997] treats *L. folium* as a *nomen dubium*, and lists *L. folium sensu* Thaler, 1974 as *L. suspicax* O. Pickard-Cambridge, 1876.

Neoscona adianta (Walckenaer, 1802)
RECORDS. Gilan and Mazandaran [Mozaffarian et al., 1998, 2000].

Singa lucina (Audouin, 1826)
RECORDS. Mazandaran [Mozaffarian et al., 1998, 2000].

CLUBIONIDAE (2)

Cheiracanthium mildei L. Koch, 1864
RECORDS. Kerman [Roewer, 1955].

Clubiona phragmitis L. Koch 1843
RECORDS. Gilan and Mazandaran [Mozaffarian et al., 1998, 2000].

CYBAEIDAE (1)

? *Cybaeus angustiarum* L. Koch, 1868
RECORDS. Gilan or Kerman [Roewer, 1955].

COMMENTS. Identification was based on a subadult female. Identification of even adult specimens in this genus is difficult and it is very probable that Roewer [1955] misidentified this specimen. Province is unclear, it may refer to Gilan.

DYSDERIDAE (4)

Dysdera asiatica Nosek, 1905 (?)
RECORDS. Esfahan, Kerman [Roewer, 1955].

COMMENTS. This species was recently revised and illustrated [Deeleman-Reinhold & Deeleman, 1988], and its female is still unknown. So it is probable that Roewer misidentified two females from Iran.

Dysdera concinna L. Koch, 1878
RECORDS: "Iran" [Platnick, 2000].

COMMENTS. This species was described from Lenkoran (now in SE Azerbaijan). Since then it has been reported only twice in taxonomic papers [Dunin, 1982, 1992], both times from Azerbaijan. It seems that Platnick [2000] mentioned this species from Iran because of unclear text in Pocock [1889], which suggests the occurrence of this species in adjacent Iran.

Dysdera erythrina (Walckenaer, 1802) (?)
RECORDS. Esfahan, Mazandaran or Gilan or Golestan (Caspian Sea) [Roewer, 1955].

COMMENTS. Undoubtedly, the two females and one male examined by Roewer belong to another species. It was recently shown by Dunin [1992] that this species is not present in Caucasus, and that many sibling endemic species occur in East Mediterranean.

Harpactea parthica Brignoli 1980*
RECORDS. Khorasan [Brignoli, 1980].

ERESIDAE (2)

Stegodyphus dufouri (Audouin, 1826) (?)
RECORDS. Province unclear from Roewer [1955].
COMMENTS. Roewer's record may refer to *S. pacificus*.

Stegodyphus pacificus Pocock, 1900
RECORDS. Fars, Kerman [Kraus & Kraus, 1988].
COMMENTS. Roewer's record of *S. dufouri* [Roewer, 1955] in Iran was not reported in the world revision of the genus done by Kraus & Kraus [1988], and it is possible that this record refers to *S. pacificus*.

FILISTATIDAE (4)

Filistata insidiatrix (Forskål, 1775)
RECORDS. Mazandaran [Brignoli, 1982].

Zaitunia alexandri Brignoli, 1982*
RECORDS. Fars [Brignoli, 1982].

Zaitunia medica Brignoli, 1982*
RECORDS. Esfahan [Brignoli, 1982].

Zaitunia persica Brignoli 1982*
RECORDS. Fars [Brignoli, 1982].

GNAPHOSIDAE (12)

Drassodes lapidosus (Walckenaer, 1802) (?)
RECORDS. Gilan, East and probably West Azerbaijan, Kerman [Roewer, 1955].

COMMENTS. It is possible that the females studied by Roewer belong to another species, or even to two different ones. All specimens from Iran and adjacent Azerbaijan studied by us belong to other species.

Nomisia exornata (C.L. Koch, 1839)
RECORDS. Fars [Roewer, 1955].

Nomisia ripariensis (O. Pickard-Cambridge, 1872)
RECORDS. Mazandaran and Kerman [Roewer, 1955].

Phaeoecelus braccatus (L. Koch, 1866)
RECORDS. Mazandaran [Mozaffarian et al., 1998, 2000].

Pterotricha conigera Spassky, 1941
RECORDS. West or East Azerbaijan [Roewer, 1955].

Pterotricha lentiginosa (C.L. Koch, 1837)
RECORDS. Fars, East Azerbaijan [Roewer, 1955].
COMMENTS. It is probable that the two females studied were misidentified. *P. lentiginosa* is known from west of Ukraine [Levy, 1995; Mikhailov, 1997].

Pterotricha loeffleri (Roewer, 1955)*
RECORDS. Tehran [Roewer, 1955].
COMMENTS. Described in *Bobineus* Roewer, 1955 (Cithaeronidae) and later transferred to *Pterotricha* by Platnick [1991].

Synaphosus neali Ovtsharenko, Levy & Platnick, 1994*
RECORDS. Baloochestan [Ovtsharenko et al., 1994].

Synaphosus shirin Ovtsharenko, Levy & Platnick, 1994*
RECORDS. Kermanshah [Ovtsharenko et al., 1994].

Talanites dunini Platnick et Ovtsharenko, 1994
RECORDS. Gilan [Mozaffarian et al., 1998, 2000].

Zelotes femellus (L. Koch, 1866) (?)
RECORDS. E. Azerbaijan [Roewer, 1955].
COMMENTS. It is probable that the two females were misidentified. *Z. femellus* known west of Ukraine [Mikhailov, 1997].

Zelotes longipes (L. Koch, 1866)
RECORDS. Gilan [Mozaffarian et al., 1998, 2000].

LINYPHIIDAE (8)

Erigone dentipalpis (Wider, 1834)
RECORDS. Kerman or Gilan [Roewer, 1955].

Prinerigone vagans (Audouin, 1826)
RECORDS. Gilan and Mazandaran [Mozaffarian et al., 1998, 2000].

Gnathonarium dentatum (Wider, 1834)
RECORDS. Kerman or Gilan [Roewer, 1955].

Lepthyphantes iranicus Saaristo & Tanasevitch, 1995*
RECORDS. Mazandaran? [Saaristo & Tanasevitch, 1995].

Lepthyphantes nebulosus (Sundevall, 1830)
RECORDS. Kerman [Roewer, 1955].

Lepthyphantes sbordonii Brignoli, 1970*
RECORDS. Mazandaran [Brignoli, 1970; Thaler, 1986]

Linyphia triangularis (Clerck, 1758)
RECORDS. Kerman or Gilan [Roewer, 1955].

Tenuiphantes perseus (Helsdingen, 1977)*
RECORDS. Gilan [Helsdingen et al., 1977].

LYCOSIDAE (22)

Allohogna singoriensis (Laxmann, 1770)
RECORDS. E. Azerbaijan [Roewer, 1955].
COMMENTS. It is rather possible that two males studied were misidentified.

Arctosa cinerea (Fabricius, 1775)
RECORDS. East Azerbaijan and probably West Azerbaijan [Roewer, 1955].

Arctosa leopardus (Sundevall, 1833)
RECORDS. Gilan and Mazandaran [Mozaffarian et al., 1998, 2000].

Evippa fortis Roewer, 1955*
RECORDS. Kerman [Roewer, 1955].

Evippa luteipalpis Roewer, 1955*
RECORDS. Kerman [Roewer, 1955].

Evippa praelongipes (O. Pickard-Cambridge, 1870)
RECORDS. Mazandaran [Roewer, 1955].

Geolycosa (?) *atroscopulata* Roewer, 1955*
RECORDS. Kerman [Roewer, 1955].
COMMENTS. Generic placement of this species is unclear. It may belong to *Alopecosa*. *Geolycosa* is purely Nearctic genus [Dondale & Redner, 1990].

Hogna radiata (Latreille, 1817)
Geolycosa altera Roewer, 1955: 764, fig. 12, D♀, **syn.n.***
RECORDS. Mazandaran [Roewer, 1955].
COMMENTS. Judging from the description and drawing of epigyne, *G. altera* is a junior synonym of *H. radiata* (Latreille, 1817).

Lycorma (?) *nigrichelis* Roewer, 1955*
RECORDS. Mazandaran, East Azerbaijan [Roewer, 1955].
COMMENTS. Generic placement of the species is unclear.

Pardosa agricola (Thorell, 1856) (?)
RECORDS. East Azerbaijan, Kerman, Tehran, Markazi, and unclear province (Khorram abad) [Roewer, 1955].
COMMENTS. It is very possible that these specimens were misidentified.

Pardosa condolens (O. Pickard-Cambridge, 1885)
RECORDS. Esfahan [Roewer, 1955].

COMMENTS. This species was recorded under the name *Pardosops c.* It was described from western China, but no illustration has been published and the species was never revised. While Roewer [1955] wrote that he studied type series, it is possible that the Iranian specimens (2 males) were misidentified.

Pardosa donabila Roewer, 1955*

RECORDS. Fars, West or East Azerbaijan, Tehran (? , Alborz Mt.) and Mazandaran [Roewer, 1955].

Pardosa lugubris (Walckenaer, 1802)

RECORDS. Kerman [Roewer, 1955].

COMMENTS. While *P. lugubris* occurs in Iran, it is restricted to the Caspian area (personal data). It is improbable that it was collected in desertous Kerman (south-east Iran).

Pirata piraticus (Clerck, 1758)

RECORDS. West or East Azerbaijan [Roewer, 1955], Gilan and Mazandaran [Mozaffarian et al., 1998, 2000].

Trochosa austrocaspia (Roewer, 1955)* **comb.n.**

Loculla austrocaspia Roewer, 1955: 769, f. 20, D♀.

RECORDS. Mazandaran [Roewer, 1955].

COMMENTS. Judging from the description and figure, this species is congeneric with *T. terricola* Thorell, 1856 the type species of the genus *Trochosa*.

Trochosa flavichelis (Roewer, 1955)* **comb.n.**

Geolycosa flavichelis Roewer, 1955: 764, f. 13, D♀.

RECORDS. Mazandaran, Gilan or Kerman [Roewer, 1955].

COMMENTS. Judging from the description and drawing of the epigyne this species belongs to *Trochosa*, not *Geolycosa*.

Trochosa nava (Roewer, 1955)* **comb.n.**

Arctosa nava Roewer, 1955: 461, f. 8–10, D♂♀.

RECORDS. Kerman and unclear province (Khorram abad) [Roewer, 1955].

COMMENTS. Judging from the drawings (Figs. 8–10) in the original description this species belongs to *Trochosa*, not *Arctosa*.

Trochosa persica (Roewer, 1955)* **comb.n.**

Dingosa persica Roewer, 1955: 762, f. 11, D♀.

RECORDS. Kerman or Gilan [Roewer, 1955].

COMMENTS. Judging from the original drawings, this species no doubt belongs to *Trochosa*.

Trochosa urbana (O. Pickard-Cambridge, 1876)

RECORDS. Fars, Kerman, Mazandaran [Roewer, 1955], Gilan and Mazandaran [Mozaffarian et al., 1998, 2000]

COMMENTS. Recorded under the name *Geolycosa u.* [Roewer, 1955]. According to P.T. Lehtinen (personal communication) this widespread species is congeneric with *T. terricola*, the type species of the genus *Trochosa*.

“*Trochosa*” *impercuta* Roewer, 1955*

RECORDS. Kerman [Roewer, 1955].

COMMENTS. This species is not congeneric with *T. terricola*, the type species of the genus *Trochosa*. It's correct placement is unclear. Figure of epigyne resembles that of *Arctosa thilisiensis* Mcheidze, 1947, known to us (personal data) from various localities from Iran.

“*Trochosa*” *loeffleri* Roewer, 1955*

RECORDS. Esfahan [Roewer, 1955].

COMMENTS. This species definitely belongs to another genus. Shape of epigyne is very different from all Lycosinae, but resembles epigyne of *Hippasa holmerae* Thorell, 1895.

Trochosa terricola Thorell, 1856

RECORDS. Kerman [Roewer, 1955].

COMMENTS. This species was recorded in combination *Trochosina t.*

NEMESIIDAE (1)

Raveniola niedermeyeri (Brignoli, 1972)*

RECORDS. Golestan [Brignoli, 1972].

COMMENTS. This species was originally described in *Brachythele*.

OECOBIDAE (1)

Uroctea durandi (Latreille, 1809) (?)

RECORDS. Kerman [Roewer, 1955].

COMMENTS. Possibly species was misidentified. All specimens from Iran studied by us belong to another species.

OXYOPIDAE (1)

Oxyopes lineatus Latreille, 1806

RECORDS. East or West Azerbaijan [Roewer, 1955].

PALPIMANIDAE (1)

Palpimanus gibbulus Dufour, 1820

RECORDS. West Azerbaijan, Yazd [Roewer, 1955].

PHILODROMIDAE (5)

Philodromus aureolus (Clerck, 1758)

RECORDS. Esfahan [Roewer, 1955].

COMMENTS. This record may refer either to *P. aureolus* or to one of the sibling species.

Philodromus dispar Walckenaer, 1825

RECORDS. Mazandaran or Gilan or Golestan (Caspian sea) [Roewer, 1955].

Philodromus margaritatus (Clerck, 1758)

RECORDS. Mazandaran or Kerman [Roewer, 1955].

Thanatus vulgaris Simon, 1870

RECORDS. Tehran [Goodarzi and Akbari, 1998]

Tibellus oblongus (Walkenaer, 1802)

RECORDS. Gilan and Mazandaran [Mozaffarian et al., 1998, 2000].

PHOLCIDAE (7)

Artema doriai Thorell in Simon, 1893

RECORDS. Kerman, Mazandaran and Tehran [Roewer, 1955].

COMMENTS. According to Brignoli [1981] *A. doriai* was described from Iran and can be a senior synonym of *A.*

transcaspia Spassky, 1934. Roewer [1955] recorded this species under the name *A. transcaspia*.

Pholcus alticeps Spassky, 1932
RECORDS. Gilan, Golestan, Mazandaran [Senglet, 1974].

Pholcus armeniacus Senglet, 1974
RECORDS. West Azerbaijan [Senglet, 1974].

Pholcus hyrcanus Senglet, 1974*
RECORDS. Golestan [Senglet, 1974].

Pholcus medicus Senglet, 1974*
RECORDS. Zanjan, Markazi [Senglet, 1974].

Pholcus opilionoides (Schrank, 1781) (?)
RECORDS. Kerman [Roewer, 1955].
COMMENTS. It is possible that the single female studied by Roewer [1955] was misidentified. This species was not found in Iran by Senglet [1974] and absent in material studied by us.

Pholcus persicus Senglet, 1974*
RECORDS. Fars [Senglet, 1974].

PISAURIDAE (1)

Pisaura mirabilis (Clerck, 1758)
RECORDS. Mazandaran [Mozaffarian et al., 1998, 2000].

SALTICIDAE (24)

Aelurillus iranus (Roewer, 1955)*
RECORDS. Kerman [Roewer, 1955; Prószyński, 1966].
COMMENTS. Originally this species was described in *Hemsenattus* Roewer, 1955.

Ballus depressus (Walckenaer, 1802)
RECORDS. Mazandaran [Logunov & Marusik, 2000].

Bianor albobimaculatus (Lucas, 1846)
RECORDS. Gilan and Mazandaran [Mozaffarian et al., 1998, 2000; Logunov, 2001a], Fars, Khoozestan [Logunov, 2001a].

Bianor aurocinctus (Ohlert, 1865)
RECORDS. Unclear province (Khorram abad) [Roewer, 1955].

Chalcoscirtus (Chalcoscirtus) iranicus Logunov & Marusik, 1999*
RECORDS. Tehran [Logunov & Marusik, 1998].

Chinnatus caucasicus Logunov, 1999
RECORDS. Mazandaran [Logunov, 1999*].

Heliophanus cupreus (Walckenaer, 1802)
RECORDS. East Azerbaijan, Mazandaran [Wesołowska, 1986].

Heliophanus flavipes Hahn, 1831
RECORDS. East Azerbaijan, Mazandaran, Tehran [Wesołowska, 1986].

Heliophanus ignorabilis Wesołowska, 1986*
RECORDS. Mazandaran [Wesołowska, 1986].

Heliophanus iranus Wesołowska, 1986*
RECORDS. Tehran [Wesołowska, 1986].

Heliophanus verus Wesołowska, 1986*
RECORDS. Mazandaran* [Wesołowska, 1986], Kerman [Logunov & Marusik, 2000].

"*Hyllus*" *insularis* Metzner, 1999
RECORDS. Tehran, Yazd, Mazandaran [Logunov, 2001b].

Irannattus rectangularis Prószyński, 1992*
RECORDS. Baloochestan [Prószyński, 1992].

Macaroeris nidicolens (Walckenaer, 1802)
RECORDS. Golestan [Logunov & Marusik, 2000].

Mendoza canestrinii (Ninni in Canestrini & Pavesi, 1868)
RECORDS. Gilan and Mazandaran [Mozaffarian et al., 1998, 2000].

Mexcala farsensis Logunov, 2001*
RECORDS. Fars [Logunov, 2001b].

Pellenes (Pelmultus) epularis (O. Pickard-Cambridge, 1872)
RECORDS. East Azerbaijan [Logunov & Marusik, 2000].

Pellenes (Pellenes) seriatus (Thorell, 1875)
RECORDS. Golestan, Kermanshah [Logunov & Marusik, 2000].

Phintella castrisiana (Grube, 1861)
RECORDS. Gilan [Mozaffarian et al., 1998, 2000]

Plexippoides flavescens (O. Pickard-Cambridge, 1872)
RECORDS. Unclear province (Khorram abad) (sub *Yllenus starmuehlneri* Roewer, 1955) [Roewer, 1955], Kerman, Tehran [Logunov & Marusik, 2000], Khoozestan [Prószyński, 1992: as *Menemerops f.*].

Pseudicius rudakii Prószyński, 1992*
RECORDS. Fars (Prószyński, 1992).

Salticus cingulatus (Panzer, 1797)
RECORDS. Kerman and unclear province "Tombat" [Roewer, 1955].

Sitticus relictarius Logunov, 1998
RECORDS. Mazandaran [Logunov, 1998].

Stenaelurillus marusiki Logunov, 2001
RECORDS. Fars [Logunov, 2001].

SCYTODIDAE (2)

? *Scytodes fusca* Walckenaer, 1837
RECORDS. Kerman [Roewer, 1955].
COMMENTS. The single female was definitely misidentified. This species is widely distributed in Central America and occurs throughout the tropics [Valerio, 1981].

Scytodes thoracica (Latreille, 1804) (?)
RECORDS. Mazandaran or Gilan or Golestan (Caspian sea) [Roewer, 1955].

COMMENTS. According to P.T. Lehtinen (personal communication), who is currently revising this genus, *S. thoracica* has a west European range. Therefore specimen from Iran was probably misidentified.

SPARASSIDAE (2)

Olios xerxes (Pocock, 1901)
RECORDS. "Iran" [Platnick, 2000].

Sparassus walckenaeri (Audouin, 1827)
RECORDS. Kerman and Mazandaran (sub *Eusparassus tersus* (C.L. Koch, 1838), Roewer, 1955; Levy, 1989). *S. fontanieri* Simon, 1880, a junior synonym of *S. walckenaeri*, was described from Iran [Levy, 1989] but its exact locality is unclear.

TETRAGNATHIDAE (2)

Pachygnatha degeeri Sundevall, 1830
RECORDS. Kerman, West or East Azerbaijan [Roewer, 1955].

Tetragnatha extensa (Linne, 1758)
RECORDS. Mazandaran, West Azerbaijan [Roewer, 1955].

TITANOECIDAE (2)

Nurscia albomaculata (Lucas, 1846)
RECORDS. Mazandaran [Mozaffarian et al., 1998, 2000].

Titanoeca turkmenia Wunderlich, 1995*
RECORDS. Mazandaran [Wunderlich, 1995].

THERIDIIDAE (11)

Enoplognatha mandibularis (Lucas, 1846)
RECORDS. Mazandaran [Roewer, 1955].

Latrodectus dahli Levi, 1959
RECORDS. Iran [Platnick, 2000].

Lartodectus geometricus C.L. Koch, 1841
RECORDS. Khorasan [Rafii-nejad et al., 2000].

Latrodectus pallidus O. Pickard-Cambridge, 1872
RECORDS. Khorasan [Mirshamsi and Darvish, 1997; Rafii-nejad et al., 2000].

Latrodectus tredecimguttatus (Rossi, 1790)
RECORDS. Unknown locality [Werner, 1936; Goodarzi et al., 1998], Hormozgan [Roewer, 1959], Bushehr [Roewer, 1959], Mazandaran (sub *L. hasselti* Thorell, 1870) [Roewer, 1959],), Khorasan [Mirshamsi & Darvish, 1997; Rafii-nejad et al., 2000].

COMMENTS. While *L. hasselti* was synonymised with *L. mactans* (Fabricius, 1775) [Gerschman & Schiapelli, 1943], it was recently proven (G. Schmidt & Ch.K. Tarabaev, personal communication) by breeding experiments that *L. tredecimguttatus* is not a synonym of *L. mactans*.

Enoplognatha mandibularis (Lucas, 1846)
RECORDS. Mazandaran [Roewer, 1955].

Robertus lividus (Blackwall, 1836)
RECORDS. Esfahan [Roewer, 1955].
Steatoda albomaculata (De Geer, 1778)
RECORDS. Kerman, Mazandaran [Roewer, 1955].

Steatoda phalerata (Panzer, 1801)
RECORDS. Mazandaran [Roewer, 1955].

Theridion hemerobius Simon 1914
RECORDS. Gilan and Mazandaran [Mozaffarian et al., 1998, 2000].

Theridion tinctum (Walckenaer, 1802)
RECORDS. Kerman or Gilan, East Azerbaijan [Roewer, 1955].

Theridion varians Hahn, 1831
RECORDS. Fars, ?Kerman [Roewer, 1955].

THOMISIDAE (12)

Misumenops tricuspidatus (Fabricius, 1775)
RECORDS. Mazandaran [Mozaffarian et al., 1998, 2000].

Ozyptila aculipalpa Wunderlich, 1995*
RECORDS: Province unclear. Wunderlich's [1995] record, "50 km SE Khorramabad", may refer to any of seven different provinces that have Khorramabad.

Ozyptila simplex (O. Pickard-Cambridge, 1862)
RECORDS. Gilan [Mozaffarian et al., 1998, 2000].

Ozyptila (?) grisea Roewer, 1955*
RECORDS. Kerman [Roewer, 1955].
COMMENTS. Holotype (in Senckenberg Museum, examined) is a subadult female, as well as paratype is a subadult male.

Ozyptila rauda Simon, 1875
RECORDS. Mazandaran or Gilan [Roewer, 1955].
COMMENTS. This record may refer to another species [cf. Marusik et al., 2000].

Ozyptila praticola (C.L. Koch, 1837)
RECORDS. Kerman [Roewer, 1955].

Synaema globosum (Fabricius, 1775)
RECORDS. Mazandaran or Gilan [Roewer, 1955].

Thomisus onustus Walckenaer, 1805
RECORDS. Mazandaran or Gilan [Roewer, 1955].

Xysticus audax (Schrank, 1803) (?)
RECORDS. Kerman [Roewer, 1955].
COMMENTS. This record may refer to another species [cf. Azarkina & Logunov, 2001].

Xysticus lanio C.L. Koch, 1845
RECORDS. Mazandaran or Gilan [Roewer, 1955].

Xysticus loeffleri Roewer, 1955*
RECORDS. Mazandaran or Gilan [Roewer, 1955].

Xysticus tristrami (O. Pickard-Cambridge, 1872)
RECORDS. Fars [Roewer, 1955].

ULOBORIDAE (2)

Octonoba yesoensis (S. Saito, 1934)
RECORDS. Mazandaran (sub *Zosis hyrcana* Brignoli, 1979*) [Brignoli, 1979].

Uloborus plumipes Lucas 1846
RECORDS. Fars [Brignoli, 1979].

ACKNOWLEDGEMENTS. We wish to thank all those who supplied us with copies of important publications. We also wish to extend our gratitude to M.I. Saaristo and S. Koponen (Turku) for discussion on taxonomical problems. Our special thanks to Drs. S. and F. Hosseinie who organized the second author's trip to Iran in 2000.

This research was in part sponsored by the Academy of Finland (project 49225) and by the Russian Foundation for Basic Research (RFBR # 01-04-48989).

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