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Renew Checklist of Spiders (Aranei) of Iran

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Abstract: To date 244 species of spiders belonged to 33 families have been recorded from Iran. Sixty two species, 44 genera and 8 families are reported for the first time from Iran in 2002-2006. Spiders were collected from branches, leaves, flowers and trunks of trees and bushes, on the ground, under the stones and grasses by Steiner and Baggiolini method, bottle, aspirator, pitfall trap, pans and insect net. *Geolycosa altera* Roewer, 1955 was found to be junior synonym of *Honga radiata* (Latreille, 1817). Four species of Lycosid spiders were transferred to *Trochosa*: *T. austrocaspia* (Roewer, 1955), *T. flavichelis* (Roewer, 1955), *T. nava* (Roewer, 1955), *T. persia* (Roewer, 1955).

Key words: Spiders, Iran, checklist, new species

INTRODUCTION

The first spider collections in persia (Iran) were made by Keyserling and Bienert in 1859. The first published spider record from Iran was by Thorell 1983, who described a new species of *Artema*. In the first half of 20th century three papers dealt partly with spiders from Iran. Namely black-widows and *Argiope* have been published: Pocok (1903), Werner (1936) and Pavlosky (1942). In the beginning of the 20th century Russian expeditions to Iran were undertaken by Filipovich in 1904 and by Kirichenko in 1914. Like Keyserling's material, their collections were stored in ZISP (Zoological Institute, St. Petersburg). While these spiders were partially identified by the late Kharitonov, this data remained unpublished. In the 1960s and 1970s, several expeditions to Iran were organized by Austrain, Italian, American, Swiss and German and in 2000s Russian zoologists. Partial results of these expeditions were published in several faunistic and taxonomic papers: Roewer (1955,1959), Brignoli (1972, 1978, 1979, 1980, 1981, 1982), Senglet (1974), Wesolowska (1986), Proszynski (1992), Ovtsharenko *et al.* (1994), Saaristo and Tanasevitch (1995), Wunderlich (1995), Logunov (1999, 2001a,b), Logunov and Marusik (1999, 2000). Also, Twelve published abstracts and papers by Iranian researchers (Mirshamsi and Darvish, 1997; Goodarzi and Akbari, 1998; Goodarzi *et al.*, 1998; Mozaffarian *et al.*, 1998; Ghavami *et al.*, 2004a, b; Ghavami, 2005, 2006a) and four project research had done by the author. Information on the occurrence and distribution of spiders within Iran is summarized in checklist given blow. New recorded species, genera and families are marked by astrisks(*)

SERVEY OF SPECIES

Agelenidae

Agelena labyrinthica (Clerck, 1757)*

Records: Mazandaran: Salman Shahr and Chaloos, Golestan: Nodijeh, Chardeh, Raamian and Kordkooy, (Ghavami *et al.*, 2004a), Golestan, Mazandaran, (Ghavami *et al.*, 2004a).

Agelena orientalis C.L.Koch, 1841

Records: Mazandaran, (Brignoli, 1978).

Cicurina sp.*

Records: Golestan: Gonbad (Ghavami, 2005)

Araneidae

Aculeperia ceropegia (Walckenaer, 1802)

Records: Kerman, (Roewer, 1955).

Agalenatea redii (Scopoli, 1763) *

Records: Golestan: Raamian and Gonbad (Ghavami *et al.*, 2004b).

Araniella inconspicua

Records: Golestan: Raamian (Ghavami *et al.*, 2004a).

Araniella alpica (L.Koch, 1869)*

Records: Golestan: Raamian, Nodijeh (Ghavami *et al.*, 2004a).

Araniella cucurbitina (Clerck, 1757)

Records: Golestan: Nodijeh, Zarringol, Tooskaostan (Ghavami *et al.*, 2004b),

Mazandaran (Roewer, 1955; Ghavami, 2006b).

Araniella opistographa (Kuluczynski, 1905)*

Records: Golestan, (Mozaffarian *et al.*, 2004).

Araneus angulatus Clerck, 1757

Records: Guilan and Mazandaran (Mozaffarian *et al.*, 1998).

Araneus diadematus Clerck, 1757 *

Records: Golestan: (Ghavami *et al.*, 2004a), Guilan, Mazandaran (Ghavami, 2005; Ghavami, 2006c).

Argiope bruennichi (Scopoli 1772)

Records: Fars (Roewer, 1955), Zanzan, Golestan: Tooskaostan, Guilan: Roodbar, Loushan (Ghavami *et al.*, 2004a), Mazandaran, (Mozaffarian *et al.*, 1998; Ghavami, 2005; Ghavami, 2006a).

Argiope clarckii Blackwall, 1865

Records: Booshehr (Pocok, 1903; Levy, 1997).

Argiope lobata (Pallas, 1772)

Records: Zanzan (Ghavami *et al.*, 2004b), Ardebil: Moghan (Ghavami, 2005), Fars and Kerman (Roewer, 1955).

Cercidia sp.*

Records: Guilan: Roodbar, Zanzan: Soomeahbar, Vaneaser, Alazain, Jozargh, Zarringol, Hendezamin, Golestan: Tooskaostan, (Ghavami *et al.*, 2004b).

Cyclosa conica (Pallas, 1772)*

Records: Golestan: Kordkooy, Tooskaostan, Zanzan: Hendezamin, (Ghavami *et al.*, 2004a), Mazandaran, (Ghavami, 2006b).

Cyphepeira silvicultrix (C.L.Koch, 1845)

Records: Guilan, (Roewer, 1955).

Hypsosinga pygmaea (Sundevall, 1831)

Records: Guilan (Mozaffarian *et al.*, 1998), Golestan (Ghavami *et al.*, 2004a).

Hypsosinga sanguinea (C.L.Koch, 1845)*

Records: Golestan: Gonbad, Hivechi, (Ghavami *et al.*, 2004a), Mazandaran (Ghavami, 2006c).

Hypsosinga albovittata (Westring, 1851)*

Records: Tehran: Varamin, Jafar Abad, (Ghavami, 2005).

Larinioides cornutus (Clerck, 1758)

Records: Khorram Abad, Mazandaran, Fars, West Azerbaijan and Kerman (Roewer, 1955), Golestan, (Ghavami, 2006b).

Larinioides folium (Schranek, 1803)

Records: Guilan, Mazandaran, (Mozaffarian *et al.*, 1998).

Neoscona adianta (Walckenaer, 1802)

Records: Guilan, Mazandaran (Mozaffarian *et al.*, 1998), Golestan: Tooskaostan, Alazeman, Beraftan, Nodijeh, Kordkooy, Gonbad, Bailer, Hivechi, Zanghian, Toushan, Hashem Abad, Fazel Abad, (Ghavami *et al.*, 2004a), Ardebil: Moghan, Oltan, (Ghavami, 2005),

Mangora acalypha (Walckenaer, 1802)

Records: Golestan: Tooskaostan, Beraftan, Nazar Abad, Guilan: Roodbar, Ali Abad, (Ghavami *et al.*, 2004b).

Singa licina (Audouin, 1802)

Records: Mazandaran, (Mozaffarian *et al.*, 1998).

Amaurobiidae*

Records: Golestan: Raamian, (Ghavami *et al.*, 2004b).

Atypidae:*

Atypus sp.*

Records: Mazandaran (Goodarzi, 1994)

Clubionidae

Clubiona mildei L. Koch, 1864

Records: Kerman (Roewer, 1955)

Clubiona neglecta O.P. Cambridge, 1862*

Records: Golestan: Kordkooy, Karkandeh, (Ghavami, 2005).

Clubiona phragmitis C.L. Koch 1843

Records: Guilan and Mazandaran, (Mozaffarian *et al.*, 1998).

Cybaeidae

Cybaeus angustiarum L. Koch, 1868

Records: Guilan or Kerman, (Roewer, 1955).

Dictynidae

Achaeodictyna sp.

Records: Esfahan (Mozaffarian and Marusik, 2001)

Argenna patula

Records: Tehran: Varamin, Jafar Abad, (Ghavami, 2005).

Dictyna latens (Fabricius, 1775) *

Records: Guilan: Roodbar, Golestan: Gonbad, (Ghavami *et al.*, 2004a).

Nigma flavescens (Walckenaer, 1825)*

Records: Kashan, (Ghavami *et al.*, 2004b).

Dysderidae

Dysdera asiatica Nosek, 1905

Records: Esfahan, Kerman (Roewer, 1955).

Dysdera concinna L. Koch, 1878

Records: Iran (Platnick, 2000)

Dysdera erythrina (Walckenaer, 1802)

Records: Esfahan and (Caspian Sea) (Roewer, 1955).

Harpactea parthica Brignoli 1980

Records: Khorasan (Brignoli, 1980).

Eresidae

Eresus sp.*

Records: Guilan: Roodbar, Rostam Abad, Ghazvin: Manjil, (Ghavami *et al.*, 2004b)

Tehran: Varamin, Jafar Abad, (Ghavami, 2005).

Dresserus sp.*

Records: Ghazvin: Tarom, (Ghavami *et al.*, 2004a).

Stegodyphus dufouri (Audouin, 1826)

Records: Province unclear (Roewer, 1955).

Stegodyphus pacificus (Pocock, 1889)

Records: Fars, Kerman (Kraus and Kraus, 1988).

Eusparassidae

Olios xerxes (Pocock, 1889)

Records: Iran, (no locality data) (Platnick, 2000).

Sparassus walckenaeri (Audouin, 1827)

Records: Kerman and Mazandaran, (Roewer, 1955; Levy, 1989).

Micrommata virecens (Clerck, 1757)*

Records: Tehran: Varamin, Jafar Abad, Ardebil: Moghan, Oltan, (Ghavami, 2005).

Filistatidae

Filistata insidiatrix (Forsk., 1775)

Records: Mazandaran (Brignoli, 1982).

Filistata sp.

Records: Roodbar, Zanjan: Gilvan, (Ghavami *et al.*, 2004b).

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

Aphantaulax sp.*

Records: Guilan: Roodbar, Golestan: Chardeh, Zanjan: Hendezamin, Ghazvin, (Ghavami *et al.*, 2004a).

Drassodes lapidosus (Walckenaer, 1802)

Records: Guilan, East and probably West Azerbaijan and Kerman (Roewer, 1955).

Drassodes sp.

Records: Fars: Neyriz, Darab, Jahrom, Estahban, (Ghavami *et al.*, 2004a).

Gnaphosa sp.*

Records: Fars: Darab (Ghavami *et al.*, 2004b).

Haplodrassus sp.*

Records: Fars: Darab, Remestagh, (Ghavami, 2005).

Micaria sp.*

Records: Golestan: Gonbad, Tehran: Varamin, Jafar Abad, Goltapeh, Fars: Darab, Remestagh (Ghavami, 2005).

Nomisia exornata (C.L.Koch, 1839)

Records: Fars (Roewer, 1955).

Nomisia ripariensis (O.Pickard- Cambridge, 1872)

Records: Mazandaran and Kerman (Roewer, 1955), Tehran, (Mozaffarian *et al.*, 1998).

Phaeoedus braccatus (L. Koch, 1878)

Records: Mazandaran (Mozaffarian *et al.*, 1998).

Pterotricha conigera Spassky, 1941

Records: West or East Azerbaijan (Roewer, 1955).

Pterotricha lentiginosa (C.L.Koch, 1837)

Records: Fars, East Azerbaijan (Roewer, 1955).

Pterotricha loeffleri (Roewer, 1955)

Records: Tehran, (Roewer, 1955).

Scotophaeus sp.*

Records: Zanjan: Tarom, (Ghavami *et al.*, 2004a).

Synaphosus neali (Ovtsharenko *et al.*, 1994)

Records: Baloochestan (Ovtsharenko *et al.*, 1994).

Synaphosus shirin (Ovtsharenko *et al.*, 1994).

Records: Kermanshah (Ovtsharenko *et al.*, 1994).

Talanites dunini Platnick et Ovtsharenko, 1994

Records: Guilan (Mozaffarian *et al.*, 1998).

Zelotes femellus (C.L. Koch, 1866)

Records: East Azerbaijan (Roewer, 1955).

Zelotes longipes (C.L. Koch, 1866)

Records: Guilan (Mozaffarian *et al.*, 1998).

Zelotes sp.

Records: Golestan (Ghavami *et al.*, 2004b), Mazandaran, (Ghavami, 2005; Ghavami, 2006b).

Hahniidae

Antistea sp.*

Records: Fars: Darab (Ghavami, 2005).

Linyphiidae

Erigone dentipalpis (Wider, 1834)

Records: Kerman or Guilan, (Roewer, 1955).

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

Records: Tehran, (Goodarzi, 1994), Guilan: Roodbar, Golestan: Nodijeh, Raamian, Zanjan: mamalan, Soomeahbar, Hendezamin, Vaneser, Tarom (Ghavami *et al.*, 2004b)

, Golestan, Mazandaran, (Ghavami, 2006c).

Gnathonarium dentatum (Wider, 1834)

Records: Kerman or Guilan (Roewer, 1955).

Lepthyphantes zimmermanni Bertkau, 1890*

Records: Tehran: Varamin, Goltapeh (Ghavami, 2005).

Lepthyphantes iranicus Saaristo and Tanasevitch, 1995

Records: Mazandaran (Saaristo and Tanasevitch, 1995).

Lepthyphantes nebulosus (Sundevall, 1830)

Records: Kerman (Roewer, 1955).

Lepthyphantes sbordonii Brignoli, 1970

Records: Mazandaran (Brignoli, 1970).

Leptorhoptrum robustum (Westring, 1851)*

Records: Guilan, Zanjan, Tarom (Ghavami *et al.*, 2004a).
Linyphia triangularis (Clerck, 1758)

Records: Kerman or Guilan (Roewer, 1955).

Linyphia sp.

Records: Zanjan: Tarom, Ghazvin, Tarom (Ghavami *et al.*, 2004a), Tehran: Varamin, Goltapeh, Golestan, (Ghavami, 2005; Ghavami, 2006b).

Microlinyphia sp.*

Records: Golestan: Tooskaostan, Zanjan: Vaneser, Guilangasheh (Ghavami *et al.*, 2004b), Tehran: Varamin, Goltapeh, Jafar Abad, (Ghavami, 2005)

Golestan, Mazandaran, (Ghavami, 2006c).

Oedothorax apicatus (Blackwall, 1850)*

Records: Khorasan (Mozaffarian *et al.*, 2004).

Prinerigone vagans (Audouin, 1826)

Records: Guilan and Mazandaran (Mozaffarian *et al.*, 1998).

Temuiphantes perseus (Van Helsdingen *et al.*, 1977)

Records: Guilan (Van Helsdingen *et al.*, 1977).

Loxoscelidae*

Loxosceles sp.*

Records: Tehran (Goodarzi, 1994)

Lycosidae

Acantholycosa sp.*

Records: Golestan (Goodarzi, 1994)

Allohogna singoriensis (Laxmann, 1770)

Records: East Azerbaijan, (Roewer, 1955).

Alopecosa pulverulenta (Clerck, 1757)*

Records: Golestan, Tehran: Varamin, Jafar Abad, (Ghavami, 2005).

Arctosa cinerea (Fabricius, 1775)

Records: East and probably West Azerbaijan, (Roewer, 1955).

Arctosa leopardus (Sundevall, 1833)

Records: Guilan and Mazandaran, (Mozaffarian *et al.*, 1998).

Arctosa tbilisiensis Mcheidze, 1947*

Records: Eilam (Mozaffarian *et al.*, 2004).

Aulonia albimana (Walckenaer, 1805)*

Records: Fars: Darab, (Ghavami, 2005).

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(?) atrosopulata Roewer, 1955

Records: Kerman (Roewer, 1955).

Honga radiata (Latreille, 1817)

Records: Mazandaran (Roewer, 1955).

Lycosa suzukii Yaginuma, 1973*

Records: Tehran (Goodarzi, 1994)

Lycorma(?) nigrichelis Roewer, 1955

Records: Mazandaran and East Azerbaijan, (Roewer, 1955).

Pardosa agrestis (Westring, 1861)*

Records: Golestan: Fazel Abad, Gharan Abad, Tooskaostan, Guilan: Ali Abad (Ghavami *et al.*, 2004b; Ghavami, 2006c), Golestan, Ardebil: Moghan (Ghavami, 2005).

Pardosa agricola (Thorell, 1856)

Records: Kerman, Tehran, Markazi and East Azerbaijan, (Roewer, 1955).

Pardosa amentata (Clerck, 1757) *

Records: Golestan: Tooskaostan, Gonbad, Fars: Neyriz, (Ghavami, 2004a, 2005).

Pardosa condolens (O.Pickard-Cambridge, 1885)

Records: Esfahan (Roewer, 1955).

Pardosa donabila Roewer, 1955

Records: Fars, West or East Azerbaijan, Tehran and Mazandaran (Roewer, 1955).

Pardosa lugubris (Walckenaer, 1802)

Records: Kerman, (Roewer, 1955).

Pardosa monticola (Clerck, 1757)*

Records: Golestan: Fazel Abad, Hashem Abad, (Ghavami, 2005).

Pardosa palustris (Linnaeus, 1758)

Records: Golestan (Goodarzi, 1994)

Pirata piraticus (Clerck, 1758)

Records: West or East Azerbaijan, (Roewer, 1955).

Trochosa austrocaspia (Roewer, 1955)

Records: Mazandaran (Roewer, 1955).

Trochosa flavichelis (Roewer, 1955)

Records: Mazandaran, Guilan or Kerman (Roewer, 1955).

Trochosa nava (Roewer, 1955)

Records: Kerman, (Roewer, 1955).

Trochosa persica (Roewer, 1955)

Records: Guilan or Kerman (Roewer, 1955).

Trochosa urbana (O.Pickard-Cambridge, 1876)

Records: Fars, Mazandaran and Kerman (Roewer, 1955).

"Trochosa" impercussa Roewer, 1955

Records: Kerman (Roewer, 1955).

"Trochosa" loeffleri Roewer, 1955

Records: Esfahan (Roewer, 1955).

Trochosa terricola Thorell, 1856

Records: Kerman (Roewer, 1955).

Wadicosa sp.

Records: Eilam and Khoozestan (Mozaffarian *et al.*, 1998).

Metidae*

Zygiella x-notata (Clerck, 1757) *

Records: Golestan, (Ghavami *et al.*, 2004a).

Miturgidae*

Cheiracanthium erraticum (Walckenaer, 1802)*

Records: Tehran: Varamin, Jafar Abad, Goltapeh, Ardebil: Moghan (Ghavami, 2005).

Cheiracanthium pennyi O.P.-Cambridge, 1873*

Records: Golestan: Gonbad, Bailer, Hivechi, Ardebil: Moghan (Ghavami, 2005).

Cheiracanthium mildei C.L.Koch, 1864

Records: Kerman (Roewer, 1955), Tehran (Goodarzi, 1994), Tehran: Varamin, Jafar Abad, Pishva (Ghavami, 2005).

Nemestidae

Raveniola niedermeyeri (Brignoli, 1972)

Records: Golestan, (Brignoli, 1972).

Oecobiidae

Oecobius sp.*

Records: Khorasan: Kashmir, Tehran: Varamin, Jafar Abad, Golestan: Gonbad, Bailer (Ghavami, 2005).

Uroctea durandi (Latreille, 1809)

Records: Kerman (Roewer, 1955).

Oxyopidae

Oxyopes heterophthalmus Latreille, 1804*

Records: Golestan (Mozaffarian *et al.*, 2004).

Oxyopes lineatus (Latreille, 1806)

Records: East or West Azerbaijan, (Roewer, 1955), Tehran, (Goodarzi, 1994), Golestan: Beraftan, (Ghavami, 2004b).

Peucetia sp.*

Records: Fars: Darab (Ghavami, 2005).

Palpimanidae

Palpimanus gibbulus Dufour, 1820

Records: West Azerbyjan, Yazd (Roewer, 1955).

Philodromidae

Philodromus rufus (Walckenaer, 1825)*

Records: East Azerbaijan (Mozaffarian and Khalil, 1999),

Golestan: Tooskaostan, Zarringol, Kordkooy, Beraftan, Zanzan, Guilan, (Ghavami *et al.*, 2004a).

Tibellus oblongus (Walckenaer, 1802)

Records: Guilan, Mazandaran, Golestan: Gonbad, Hivechi (Ghavami, 2004a, 2005, 2006b).

Philodromus cespitum (Walckenaer, 1802)*

Records: Tehran: Varamin, Jafar Abad, Ardebil: Moghan (Ghavami, 2005).

Philodromus dispar Walckenaer, 1825

Records: (Caspian Sea), (Roewer, 1955).

Philodromus margaritatus (Clerck, 1758)

Records: Mazandaran or Kerman, (Roewer, 1955).

Thanatus vulgaris

Records: Tehran (Goodarzi and Akbari, 1998), Eilam, Tehran, Khorasan, (Mozaffarian and Marusik, 2001).

Thanatus formicinus (Clerck, 1757)*

Records: Tehran: Varamin, Jafar Abad, Pishva, Taghi Abad, Golestan: Gonbad, Fars: Darab, Khorasan: Kashmar (Ghavami, 2005).

Thanatus striatus C.L.Koch, 1845*

Records: Tehran: Varamin, Jafar Abad, Fars: Darab (Ghavami, 2005).

Pholcidae

Artema doriai Thorell in Simon (1893)

Records: Kerman, Mazandaran and Tehran (Roewer, 1955).

Psilochorus simoni (Berland 1911) *

Records: Golestan: Tooskaostan, Kordkooy, Chardeh, Bandar Gaz,

Ghazvin (Ghavami *et al.*, 2004a).

Pholcus phalangioides (Fuesslin, 1775) *

Records: Golestan: Chardeh, Bandar Gaz, Guilan: Roodbar, (Ghavami *et al.*, 2004b).

Pholcus alticeps Spassky, 1932

Records: Guilan, 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: Zanzan, Markazi (Senglet, 1974).

Pholcus opilionoides (Schrank, 1781)?

Records: Kerman (Roewer, 1955).

Pholcus persicus Senglet, 1974

Records: Fars (Senglet, 1974).

Pisauridae

Pisaura mirabilis (Clerck, 1757)

Records: Mazandaran (Mozaffarian *et al.*, 1998), Ardebil: Moghan, Oltan, Majid Abad (Ghavami, 2005).

Salticidae

Aelurillus iranus (Roewer, 1955)

Records: Kerman (Roewer, 1955, Proszynski, 1966).

Aelurillus concolor Kulezynski, 1901

Records: Sabzevar (Roewer, 1955).

Ballus depressus (Walckenaer, 1802)

Records: Mazandaran (Logunov and Marusik, 2000).

Bianor albimaculatus (Lucas, 1846)

Records: Guilan and Mazandaran (Mozaffarian *et al.* 1998; Logunov, 2001a), Fars, Khoozestan (Logunov, 2001b), Zanzan: Tarom (Ghavami *et al.*, 2004a).

Bianor aurocinctus (Ohlert, 1865)

Records: Khorram Abad (Roewer, 1955).

Chalcoscirtus (Chalcoscirtus) iranicus (Logunov and Marusik, 1999)

Records: Tehran.

Chalcoscirtus (s.str.) infimus

Records: Tehran, (Logunov and Marusik, 1999, 2000).

Chalcoscirtus (s.str.) lepidus (Wesolowska, 1986)

Records: Tehran (Logunov *et al.*, 2001).

Chalcoscirtus (s.str.) nigritus (Thorell, 1875)

Records: Fars, East Azerbaijan, (Logunov and Marusik, 1999).

Chalcoscirtus (s.str.) hosseinieorum sp.n.

Records: Fars (Logunov *et al.*, 2001).

Chalcoscirtus (Chalcoscirtus) parvulus

Records: Tehran (Logunov *et al.*, 2001).

Chinnatus caucasicus (Logunov, 1999)

Records: Mazandaran (Roewer, 1955), Khorram Abad, (Logunov, 1999).

Cyrba algerina (Lucas, 1846)

Records: Fars, Tehran (Logunov *et al.*, 2001).

Cyrba ocellata (Kroneberg, 1875)

Records: Tehran (Mozaffarian *et al.*, 1998), Mazandaran (Logunov *et al.*, 2001).

Euophrys frontalis (Walckenaer, 1802)

Records: Mazandaran, Fars: Estahban (Ghavami, 2005).

Evarcha arcuata (Clerck, 1758)

Records: Mazandaran

Evarcha negevensis (Proszynski, 1992)

Records: Tehran (Logunov *et al.*, 2001).

Evarcha praecincta (Simon, 1893)

Records: Fars (Logunov *et al.*, 2001).

Heliophanus (s.str.) cupreus (Walckenaer, 1802)

Records: East Azerbaijan, Mazandaran, (Wesolowska, 1986; Marusik *et al.*, 2000), Zanzan, Tehran: Varamin, Jafar Abad (Ghavami, 2005).

Heliophanus (s.str.) decoratus C.L. Koch, 1875

Records: Fars (Logunov *et al.*, 2001).

Heliophanus (s.str.) dunini Rakov and Logunov, 1997

Records: Tehran (Marusik *et al.*, 2000).

Heliophanus (s.str.) equester L. Koch, 1867

Records: West Azerbaijan, Tehran and Fars (Logunov *et al.*, 2001).

Heliophanus (s.str.) flavipes Huhn, 1831

Records: East Azerbaijan, Mazandaran, Tehran (Wesolowska, 1986), Mazandaran, Tehran (Logunov *et al.*, 2001), Golestan: Gonbad, Kordkooy, Tehran: Varamin, Jafar Abad, (Ghavami, 2004b, 2005),

Heliophanus forcipifer Kulezynski, 1895

Records: Yazd (Mozaffarian and Marusik, 2001)

Heliophanus fulgens (O.Pickard-Cambridge, 1876)

Records: Yazd, (Mozaffarian *et al.*, 1998) Esfahan, Fars, (Logunov *et al.*, 2001).

Heliophanus (Heliophanus) edentulus

Records: Tehran (Logunov *et al.*, 2001).

Heliophanus (s.str.) glaucus Bosenberg and Lenz, 1895

Records: Fars (Logunov *et al.*, 2001).

Heliophanus (s.str.) iranus Wesolowska, 1986

Records: Tehran (Wesolowska, 1986).

Heliophanus ignorabilis Wesolowska, 1986

Records: Mazandaran (Wesolowska, 1986).

Heliophanus ledeufilus (S.str.Hahn,1831)*

Records: Golestan: Tooskaostan (Ghavami *et al.*, 2004b).

Heliophanus (s.str.) mordax (O.Pickard-Cambridge, 1872)

Records: Tehran, Fars, Mazandaran (Marusik *et al.*, 2000).

Heliophanus (s.str.) verus Wesolowska, 1986

Records: Mazandaran (Wesolowska, 1986), Kerman, (Logunov and Marusik, 2000).

"Hyllus" insularis,

Records: Yazd, Mazandaran (Logunov, 2001a), Zanzan, Guilan (Ghavami *et al.*, 2004a).

Iannattus rectangularis Proszynski, 1992

Records: Baloochestan (Proszynski, 1992).

Langona redii (Savigny and Audouin, 1825).

Records: Fars (Gettmer, 1983)

Macarokeris nidicolens (Walckenaer, 1802)

Records: Golestan (Logunov and Marusik, 2000).

Mendoza canestrinii (Ninni in Canestrini and Pavesi, 1868).

- Records: Guilan, Golestan and Mazandaran (Mozaffarian *et al.*, 1998).
Menemerus semilimbatus (Hahn, 1827)
 Records: Mazandaran (Logunov *et al.*, 2001).
Mexcala farsensis (Logunov, 2001a)
 Records: Fars (Logunov, 2001b).
Mogrus neglectus
 Records: Tehran and Fars (Logunov *et al.*, 2001).
Myrmarachne tristis
 Records: Khoozestan (Marusik, 1996).
Neon (Dicroneon) levis
 Records: Tehran, (Logunov and Marusik, 2000).
Neon (Dicroneon) rayi
 Records: Tehran (Logunov *et al.*, 2001).
Neon (s.str.) *reticulatus* (Blackwall, 1853)
 Records: East Azerbaijan
 Mazandaran (Logunov *et al.*, 2001).
Pellenes (Pelmultus) brevis
 Records: Tehran (Logunov *et al.*, 2001).
Pellenes (Pelmultus) epularis (O.Pickard-Camb-ridge, 1872)
 Records: Fars (Marusik *et al.*, 2000), Tehran (Logunov *et al.*, 2001).
Pellenes (Pellenes) seriatus (Thorell, 1875)
 Records: Golestan and Kermanshah (Logunov and Marusik, 2000).
Philaeus chrysops (Poda, 1761)
 Records: Tehran, Golestan and Mazandaran (Logunov *et al.*, 2001), Eilam (Mozaffarian *et al.*, 2004).
Phintella castrisiana (Grube, 1861)
 Records: Mazandaran
 Khorram Abad and Mazandaran (Logunov *et al.*, 2001).
Phlegra fascita (Hahn, 1826)
 Records: Mazandaran (Logunov *et al.*, 2001).
Phlegra tetralineata (Caporiacco, 1939)
 Records: Tehran (Azerkina and Logunov, 2001).
Plexippoides flavescens (O.Pickard- Cambridge, 1872)
 Records: Kerman (Kuznetsov, 1929), Mazandaran (Roewer, 1955), Tehran (Mozaffarian *et al.*, 1998).
Plexippoides coccineus
 Records: Tehran (Logunov *et al.*, 2001).
Pseudicius rudakii Proszynski, 1992
 Records: Fars (Proszynski, 1992).
Pseudeuophrys erratica (Walckenaer, 1826)
 Records: Mazandaran (Logunov *et al.*, 2001).
Pseudicius palaestinensis Strand, 1915
 Records: (Logunov *et al.*, 2001), Fars, Yazd (Mozaffarian and Marusik, 2001), Tehran.
Pseudicius rudakii Proszynski, 1992
 Records: Fars, (Proszynski, 1992).
Pseudicius spasskyi
 Records: Guilan (Wesolowska, 1986).
Salticus cingulatus (Panzer, 1797)
 Records: Kerman, (Roewer, 1955).
Salticus scenicus (Clerck, 1757)*
 Records: Zanjan (Ghavami *et al.*, 2004a), Khorasan: Kashmar (Ghavami, 2005).
Salticus tricinctus (C.L.Koch, 1846)
 Records: Tehran, Mazandaran and Fars.
Sibianor aurocinctus (Ohlert, 1865)
 Records: Mazandaran (Roewer, 1955).
Sitticus ammophilus (Thorell, 1875)
 Records: Iran, (no locality data) (Wesolowska, 1986; Logunov and Marusik, 2000).
Sitticus relictarius Logunov, 1998
 Records: Mazandaran
Stenaelurillus marusiki Logunov *et al.* (2001)
 Records: Fars (Logunov, 2001b).
Synageles dalmaticus (Keyserling, 1863)
 Records: Yazd, Markazi province, Saveh (Mozaffarian *et al.*, 1998), Tehran (Logunov *et al.*, 2001).
Talavera aequipes (O.Pickard- Cambridge, 1872)
 Records: Mazandaran (Logunov *et al.*, 2001).
Thyene imperialis (Rossi, 1846)
 Records: Zanjan: Markazi province: Saveh (Mozaffarian *et al.*, 1998), Zanjan: Tashvir, Tarom, Jozargh, Golestan: Chardeh, Zarringol, Azad Shahr, Gonbad, Hivechi, Hashem Abad, Tooskaostan, Guilan, Mazandaran (Ghavami, 2004b, 2005, 2006c), Tehran: Varamin, Jafar Abad, Goltapeh, Taghi Abad, Fars: Darab (Ghavami, 2005).
- Scytodidae**
Scytodes fusca (Walckenaer, 1837)
 Records: Kerman (Roewer, 1955).
Scytodes thoracica (Latreille, 1804)
 Records: Caspian Sea (Roewer, 1955) Zanjan, Golestan (Ghavami *et al.*, 2004a).
- Tetragnathidae**
Pachygnatha degeeri Sundevall, 1830
 Records: Kerman, West or East Azerbaijan (Roewer, 1955).
Tetragnatha extensa (Linnaeus, 1758)
 Records: Mazandaran, West Azerbaijan (Roewer, 1955), Guilan: Roodbar, Golestan: Raamian, Fazel Abad, Bandar Gaz, Zanghian, Gonbad, Hashem Abad, Mazandaran

(Ghavami, 2004a, 2005, 2006a).

Tetragnatha javana (Thorell, 1890) *

Records: Guilan: Roodbar, Golestan: Toshan, Kordkooy, Karkandeh, Gonbad, Hashem Abad, Mazandaran (Ghavami, 2004b, 2005, 2006b).

Tetragnatha montana,

Records: Golestan: Gonbad, Toshan, Hashem Abad, Raamian, Mazandaran (Ghavami, 2004a, 2005, 2006c).

Tetragnatha nigrita Lendl, 1886*

Records: Golestan, Mazandaran (Ghavami, 2006b).

Theridiidae

Anelosimus aulicus (C.L.Koch,1838)*

Records: Guilan, Zanjan (Ghavami *et al.*, 2004a).

Dipoena prona (Menge, 1868)*

Records: Zanjan: Tarom, (Ghavami *et al.*, 2004a).

Enoplognatha mandibularis (Lucas, 1846)

Records: Mazandaran (Roewer, 1955).

Enoplognatha mediterranea

Records: Ardebil (Ghavami, 2004a).

Latrodectus dahli Levi, 1959

Records: Iran, (no locality data) (Platnick, 2000).

Latrodectus geometricus C.L.Koch, 1841

Records: Khorasan (Rafiinejad *et al.*, 2000).

Latrodectus palidus O. Pickard- Cambridge, 1872

Records: Khorasan (Mirshamsi and Darvish, 1997; Rafiinejad *et al.*, 2000).

Latrodectus tredecimguttatus (Rossi, 1790)

Records: Iran, (no locality data) (Werner, 1936; Goodarzi *et al.*, 1998), Hormozgan, Booshehr, Mazandaran (Roewer, 1955), Khorasan (Mirshamsi and Darvish, 1997; Rafiinejad *et al.*, 2000), Golestan: Hashem Abad (Ghavami *et al.*, 2004b).

Robertus lividus (Blackwall, 1836)

Records: Esfahan, (Roewer, 1955).

Steatoda albomaculata (Degeer,1778)*

Records: Zanjan: Tarom, Goocan, Tashvir, Hendezamin, Gilvan, Alzain, Guilan: Roodbar, Ghazvin, Mazandaran, (Ghavami *et al.*, 2004a; Ghavami, 2006a).

Steatoda paykulliana (Walckenaer, 1806)*

Records: Eilam (Mozaffarian *et al.*, 2004), Golestan: Gonbad, Bailer, Hashem Abad, Ardebil: Moghan, Goosloo, Aghdam, Oltan (Ghavami, 2005).

Steatoda phalerata (Panzer, 1801)

Records: Mazandaran (Roewer, 1955).

Theridion hemerobius

Records: Guilan, Mazandaran (Mozaffarian *et al.*, 1998, 2004).

Theridion melanurum Hahn, 1831

Records: Zanjan (Ghavami, 2006c)

Theridion tinctum (Walckenaer, 1802)

Records: Kerman or Guilan, East Azerbaijan (Roewer, 1955)

Theridion varians Hahn, 1831

Records: Fars, Kerman, (Roewer, 1955).

Theridion impressum C.L.Koch,1881*

Records: Golestan: Gonbad, Bailer, Ghareghaj, Tehran: Varamin, Taghi Abad, Ardebil: Moghan, Aghdam (Ghavami, 2005).

Theridion simile, C.L.Koch,1836*

Records: Golestan: Kordkooy, Guilan, Mazandaran (Ghavami *et al.*, 2004a; Ghavami, 2006b).

Thomisidae

Diaea dorsata (Fabricius, 1777)*

Records: Tehran: Varamin, Jafar Abad (Ghavami, 2005).

Misumena vatia (Clerck, 1757)*

Records: Guilan: Roodbar, Golestan: Soomeaehbar, Raamian, Fazel Abad, Bandar Gaz, Gonbad, Zanjan, Ghazvin, Mazandaran (Ghavami, 2004a, 2005, 2006b), Tehran: Varamin, Jafar Abad (Ghavami, 2005).

Misumenops tricuspidatus (Fabricius, 1775)

Records: Mazandaran (Mozaffarian *et al.*, 1998).

Monaesis acicullus

Records: Ardebil: Moghan, Oltan (Ghavami, 2005).

Runcinia lateralis C.L.Koch,1838*

Records: Tehran (Mozaffarian *et al.*, 2004)

Runcinia sp.

Records: Golestan, Mazandaran (Ghavami, 2004a, 2005, 2006b).

Ozyptila aculipalpa Wunderlich, 1995

Records: Khorram Abad (Wunderlich, 1995).

Ozyptila simplex (O. Pickard- Cambridge, 1862)

Records: Guilan (Mozaffarian *et al.*, 1998, 2004).

Ozyptila grisea Roewer, 1955

Records: Kerman (Roewer, 1955).

Ozyptila rauda

Records: Guilan, Mazandaran (Roewer, 1955).

Ozyptila praticola (C.L.Koch,1837)

Records: Kerman (Roewer, 1955).

Ozyptila sp.

Records: Guilan (Ghavami *et al.*, 2004b).

Synaema globosum (Fabricius, 1775)

Records: Guilan: Roodbar, Ali Abad, Mazandaran (Roewer, 1955), Golestan: Beraftan, Tooskaostan, Toushan, Karkandeh, Kordkooy, Raamian, Zarringol, Moodestan, Zanjan, Mazandaran (Ghavami, 2004a, 2005, 2006b).

Thomisus onustus, Walckenaer, 1806

Records: Guilan or Mazandaran (Roewer, 1955), Zanjan: Jozargh, Golestan: Soomeaehbar, Toushan, Kordkooy, Mazandaran (Ghavami, 2004b, 2005, 2006c), Tehran: Varamin, Jafar Abad, Fars: Darab, Ardebil: Moghan (Ghavami, 2005).

Thomisus zyuzini Marusik and Logunov, 1990*

Records: Esfahan, Khorasan (Mozaffarian *et al.*, 2004)

Temarus sp.*

Records: Tehran: Varamin, Jafar Abad (Ghavami, 2004a, 2005).

Xysticus cristatus (Clerck, 1757)*

Records: Golestan: Raamian, Nodijeh, Karkandeh, Kordkooy, Toshan, Zanjan: Guilangasheh, Guilan: Roodbar, Ali Abad, Mazandaran (Ghavami *et al.*, 2004a, 2005, 2006b), Ardebil: Moghan (Ghavami, 2005).

Xysticus kochi Thorell, 1872*

Records: Guilan: Roodbar, Golestan: Hashem Abad, Tooskaostan (Ghavami *et al.*, 2004a).

Xysticus audax (Schränk, 1803)

Records: Kerman (Roewer, 1955).

Xysticus lanio C.L.Koch, 1824

Records: Guilan, Mazandaran (Roewer, 1955), Fars: Darab (Ghavami, 2005).

Xysticus loeffleri Roewer, 1955

Records: Guilan or Mazandaran (Roewer, 1955).

Xysticus tristrami (O. Pickard- Cambridge, 1872)

Records: Fars (Roewer, 1955).

Xysticus luctuosus (Blackwall, 1836)*

Records: Fars (Roewer, 1955), Ardebil: Moghan, Fars: Estahban, Neyriz (Ghavami, 2005).

Titanoecidae

Nurscia albomaculata (Lucas, 1846)*

Records: Tehran (Mozaffarian and Marusik, 2001).

Titanoeca turkmenia Wunderlich, 1995

Records: Mazandaran, (Wunderlich, 1995).

Titanoeca sp.

Records: Khorasan (Mozaffarian *et al.*, 2004).

Uloboridae

Octonoba yesoensis (S. Saito, 1934)

Records: Mazandaran (Brignoli, 1979).

Uloborus plumipes Lucas, 1846

Records: Fars (Brignoli, 1979).

Uloborus walckenaevius Latreille, 1806*

Records: Tehran, Khorram Abad (Goodarzi, 1994)

Zodariidae*

Records: Tehran, Eilam (Mozaffarian *et al.*, 2004).

DISCUSSION

Study of Spiders is young in Iran. Therefore, the most species of spiders haven't been identified. Two hundred and forty four species of spiders have recorded since 1859 to now. The most of species were reported belonged to Salticidae, Lycosidae, Araneidae and Thomisidae families (70, 30, 21 and 20 species, respectively) and the fewest species belonged to Atypidae, Cybaeidae, Metidae, Nemestidae, Palpimanidae. Pisauridae and Titanocidae families (Table 1). Spiders were collected from gardens, fields, forests, plains and houses. Some species were collected on different crops (apple, cereal, citrus, cotton, olive, pomegranate

Table 1: Number of species, new species and new genera of spiders were recorded of Iran

Family	No. of registered species	No. of registered new species	No. of registered new genera
Agelenidae	2	1	1
Araneidae	21	8	2
Amaurobiidae*	-	-	-
Atypidae*	-	-	1
Clubionidae	3	1	-
Cybaeidae	1	-	-
Dictynidae	3	3	5
Dysderidae	4	-	-
Eresidae	2	-	2
Eusparassidae	3	1	1
Filistatidae	4	-	-
Gnaphosidae	12	-	4
Hahniidae	-	-	1
Linyphiidae	13	5	5
Loxoscelidae*	-	-	1
Lycosidae	30	7	5
Metidae*	1	1	1
Miturgidae*	3	2	-
Oecobiidae	-	-	1
Nemestidae	1	-	-
Oxyopidae	3	2	1
Palpimanidae	1	-	-
Philodromidae	8	4	-
Pholcidae	9	2	1
Pisuridae	1	-	-
Salticidae	70	5	3
Scytodidae	2	-	-
Tetragnathidae	5	3	-
Titanoecidae*	1	1	1
Theridiidae	18	8	2
Thomisidae	20	8	5
Uloboridae*	3	1	1
Zodariidae*	-	-	1
Total	244	62	44

*Families marked by asterisks are reported for the first time from Iran

Table 2: Spider species were collected on different crops

Scientific name	Rice	Pomegranate	Olive	Cotton	Citrus	Cereal	Apple
<i>Agelena labyrinthica</i> (Clerck,1757)	-	-	+	-	+	-	-
<i>Agalenatea redii</i> (Scopoli 1763)	-	-	+	+	-	-	-
<i>Araniella inconspicua</i> (Simon, 1874)	-	-	+	-	-	-	-
<i>Araniella alpica</i> (C.L.Koch,1869)	-	-	+	-	-	-	-
<i>Araniella cucurbitina</i> (Clerck, 1757)	-	-	+	-	+	-	-
<i>Araneus angulatus</i> (Clerck, 1758)	+	-	-	-	-	-	-
<i>Araneus diadematus</i> , (Clerck, 1757)	-	-	+	-	+	-	-
<i>Araneus</i> sp.	-	-	+	-	+	-	-
<i>Argiope bruennichi</i> (Scopoli, 1772)	+	-	+	-	+	-	-
<i>Argiope lobata</i> (Pallas,1772)	-	-	+	+	-	-	-
<i>Cercidia</i> sp.	-	-	+	-	+	-	-
<i>Cyclosa</i> sp.	-	-	+	-	+	-	-
<i>Cyclosa conica</i> (Pallas, 1772)	-	-	+	-	+	-	-
<i>Hypsosinga albovittata</i> (Westring, 1851)	-	-	-	+	-	-	-
<i>Hypsosinga pygmaea</i> (Sundevall, 1831)	-	-	+	-	-	+	-
<i>Hypsosinga saguinea</i> (C.L.Koch.1845)	-	-	-	+	+	-	-
<i>Larinioides cornatus</i> (Clerck, 1758)	-	-	-	-	+	-	-
<i>Larinioides folium</i> (Schranck, 1803)	+	-	-	-	-	-	-
<i>Singa</i> sp.	-	-	+	+	-	-	-
<i>Neoscona adianta</i> (Walckenaer, 1802)	+	-	+	+	+	-	-
<i>Mangora acalypha</i> (Walckenaer, 1802)	-	+	+	+	+	+	-
<i>Singa licina</i> (Audouin, 1802)	+	-	-	-	-	-	-
Amaurobiidae	-	-	+	-	-	-	-
<i>Clubiona neglecta</i> O.P.Camridge, 1862	-	-	-	+	-	-	-
<i>Clubiona phragmitis</i> L.Koch, 1843-	+	-	-	-	-	-	-
<i>Clubiona</i> sp.	-	-	+	+	+	-	-
<i>Micrommata virecens</i> (Clerck, 1757)	-	-	-	-	-	-	-
<i>Achæodictyna</i> sp.	-	+	-	-	-	-	-
<i>Argema patula</i> (Simon, 1874)	-	-	-	+	-	-	-
<i>Dictyna latens</i> (Fabricius, 1775)	-	-	+	-	-	-	-
<i>Eresus</i> sp.	-	-	+	+	-	-	-
<i>Dresserus</i> sp.	-	-	+	-	-	-	-
Filistatidae	-	-	+	-	-	-	-
<i>Aphantaulax</i> sp.	-	-	+	-	-	-	-
<i>Dressodes</i> sp.	-	+	-	+	-	-	-
<i>Gnaphosa</i> sp.	-	-	-	+	-	-	-
<i>Haplodrassus</i> sp.	-	-	-	+	-	-	-
<i>Micaria</i> sp.	-	-	-	+	-	-	-
<i>Nomisia ripariensis</i> (O.Pickard-Cambridge, 1872)	-	-	-	-	-	+	-
<i>Phaeoedus braccatus</i> (C.L.Koch, 1878)	+	-	-	-	-	-	-
<i>Talanites dunini</i> Platnick et Ovtsharenko, 1994	+	-	-	-	-	-	-
<i>Zelotes longipes</i> (C.L.Koch, 1866)	+	+	-	-	-	-	-
<i>Zelotes</i> sp.	-	+	-	+	+	-	-
<i>Antistea</i> sp.	-	-	-	+	-	-	-
<i>Frontinella frumentorum</i> (C.L.Koch, 1981)	-	-	+	-	+	-	-
<i>Linyphia</i> sp.	-	-	+	+	-	-	-
<i>Lepthyphantes zimmermanni</i> (Bertkau, 1890)	-	-	-	+	-	-	-
<i>Microlinyphia</i> sp.	-	-	+	+	+	-	-
<i>Oedothorax apicatus</i> (Blackwall, 1850)	-	-	-	-	-	+	-
<i>Prinerigone vagans</i> (Audouin, 1826)	+	-	-	-	-	-	-
<i>Atopocosa pulverulenta</i> (Clerck,1757)	-	-	-	+	-	-	-
<i>Arctosa leopardus</i> (Sundevall, 1833)	+	-	-	-	-	-	-
<i>Arctosa tiblisiensis</i> (Mcheidze, 1947)	-	+	-	-	-	+	-
<i>Aulonia albimana</i> (Walckenaer, 1805)	-	-	-	+	-	-	-
<i>Honga</i> sp.	-	-	-	+	-	-	-
<i>Honga radiata</i> (Latreille, 1817)	-	+	-	-	-	-	-
<i>Pardosa amentata</i> (Clerck, 1757)	-	-	+	+	-	-	-
<i>Pardosa agrestis</i> (Westring, 1861)	-	-	+	+	+	+	-
<i>Pardosa monticola</i> (Clerck, 1757)	-	-	+	-	-	-	-
<i>Wadicosa</i> sp.	-	+	-	-	-	-	+
<i>Zygiella x-notata</i> (Clerck, 1757) *	-	-	-	-	-	-	-
<i>Cheiracanthium erraticum</i> (Walckenaer, 1802)	-	-	-	-	-	-	-
<i>Cheiracanthium pennyi</i> (O.P.-Cambridge, 1873)	-	-	-	-	-	-	-
<i>Cheiracanthium mildei</i> (C.L.Koch, 1864)	-	-	-	+	-	-	-
<i>Oxyopes lineatus</i> (Latreille, 1806)	-	-	+	-	-	-	-

Table 2: Continued

Scientific name	Rice	Pomegranate	Olive	Cotton	Citrus	Cereal	Apple
<i>Oxyopes salticus</i> (Hentz, 1802)	-	-	-	+	-	-	-
<i>Peucetia</i> sp.	-	-	-	+	-	-	-
<i>Philodromus cespitum</i> (Walckenaer, 1802)	-	-	+	+	-	-	-
<i>Philodromus rufus</i> (Walckenaer, 1825)	-	-	-	+	-	-	-
<i>Thanatus formicinus</i> (Clerck, 1757)	-	-	-	+	-	-	-
<i>Thanatus striatus</i> (C.L.Koch, 1845)	-	-	-	+	-	-	-
<i>Thanatus vulgaris</i> (Simon, 1870)	-	-	-	-	-	+	-
<i>Tibellus oblongus</i> (Walckenaer, 1802)	-	-	+	+	+	-	+
<i>Psilochorus simoni</i> (Berland, 1911)	-	-	+	-	-	-	-
<i>Pholcus phalangioides</i> (Fuesslin, 1775)	-	-	+	-	-	-	-
<i>Pisaura mirabilis</i> (Clerck, 1757)	+	-	-	+	-	-	-
<i>Bianor albimaculatus</i> (Lucas, 1846)	-	-	+	-	-	-	-
<i>Cyrrba ocellata</i> (Kroneberg, 1875)	-	-	-	-	-	-	+
<i>Euphrys frontalis</i> (Walckenaer, 1802)	-	-	-	+	-	-	-
<i>Euophrys</i> sp.	-	-	+	-	-	-	-
<i>Evarcha</i> sp.	-	-	+	+	-	-	-
<i>Heliophanus cupreus</i> (Walckenaer, 1802)	-	-	+	+	-	-	-
<i>Heliophanus equester</i> C.L.Koch, 1867	-	-	-	-	-	-	+
<i>Heliophanus flavipes</i> , (C.L.Koch, S.str., 1848)	-	-	+	+	-	-	-
<i>Heliophanus forcipifer</i> (Kulezyski, 1895)	+	-	-	-	-	-	-
<i>Heliophanus ledeyfilii</i> (S.str.Hahn, 1831)	-	-	+	-	-	-	-
<i>Hyllus insularis</i> , (Meztner, 1999)	-	-	+	-	-	-	-
<i>Myrmarachne</i> sp.	-	-	+	-	-	-	-
<i>Pellenes</i> sp.	-	-	-	+	-	-	-
<i>Phelegra</i> sp.	-	-	-	+	-	-	-
<i>Philæus chrysops</i> (Poda, 1761)	-	-	-	-	-	+	-
<i>Philæus</i> sp.	-	-	-	+	-	-	-
<i>Phintella castrisiana</i> (Grube, 1861)	+	-	-	-	-	-	-
<i>Salticus scenicus</i> (Clerck, 1757)	-	-	+	+	-	-	-
<i>Thyene imperialis</i> (Rossi, 1846)	-	-	+	+	+	+	-
<i>Scytodes thoracica</i> , (Latreille, 1804)	-	-	+	-	-	-	-
<i>Tetragnatha extensa</i> (Linnaeus, 1785)	-	-	+	+	+	+	-
<i>Tetragnatha nigrita</i> (Lendl, 1886)	-	-	-	-	+	-	-
<i>Tetragnatha montana</i> , (Simon, 1874)	-	-	+	-	+	-	-
<i>Tetragnatha javana</i> (Thorell, 1890)	-	-	+	+	+	-	-
<i>Dipoena prona</i> (Menge, 1868)	-	-	+	-	-	-	-
<i>Dipoena</i> sp.	-	-	+	-	-	-	-
<i>Enoplognatha</i> sp.	-	-	+	+	-	-	-
<i>Latrodectus tredecimguttatus</i> (Rossi, 1790)	-	-	+	-	-	-	-
<i>Steatoda albomaculata</i> (Degeer, 1778)	-	-	+	-	+	-	-
<i>Steatoda paykulliana</i> (Fabricius, 1775)	-	-	+	+	-	+	-
<i>Theridion hemerobius</i> (Simon, 1914)	+	-	-	-	-	-	-
<i>Theridion impressum</i> (C.L.Koch, 1881)	-	-	-	+	-	-	-
<i>Theridion simile</i> , (C.L.Koch, 1836)	-	-	+	-	+	-	-
<i>Dicaea dorsata</i> (Fabricius, 1777)	-	-	-	+	-	-	-
<i>Dicaea</i> sp.	-	-	+	-	-	-	-
<i>Misumena vatia</i> (Clerck, 1757)	-	-	+	+	+	-	-
<i>Misumenops</i> sp.	-	-	-	+	-	-	-
<i>Monæsis aciculatus</i> (Simon, 1903)	-	-	-	+	-	-	-
<i>Ozyptilla simplex</i> (O.Pickard-Cambridge, 1862)	+	-	-	-	-	-	-
<i>Ozyptilla</i> sp.	-	-	+	+	-	-	-
<i>Runcinia lateralis</i> (C.L.Koch, 1838)*	-	-	-	-	-	+	-
<i>Runcinia</i> sp.	-	-	+	-	+	-	-
<i>Synaema globosum</i> (Fabricius, 1775)	-	-	+	+	+	-	-
<i>Temarus</i> sp.	-	-	+	+	-	-	-
<i>Thanatus formicinus</i> (Clerck, 1757)	-	-	-	+	-	-	-
<i>Thanatus striatus</i> (C.L.Koch, 1845)	-	-	-	+	-	-	-
<i>Thomisus onastus</i> , (Walckenaer, 1806)	-	-	+	+	+	-	-
<i>Thomisus zyzini</i> (Marusik and Logunov, 1990)	-	-	-	-	-	+	+
<i>Xysticus cristatus</i> (Clerck, 1757)	-	-	+	+	+	-	-
<i>Xysticus kochi</i> , Thorell, 1872	-	-	+	-	-	-	-
<i>Xysticus lanio</i> (C.L.Koch, 1824)	-	-	-	+	-	-	-
<i>Xysticus luctuosus</i> (Blackwall, 1836)	-	-	-	+	-	-	-
<i>Nurscia albomaculata</i> (Lucas, 1846)*	+	-	-	-	-	-	-
<i>Titanoeca</i> sp.	-	-	-	-	-	+	-
Uloboridae	-	+	-	-	-	+	-
Zodariidae	-	+	-	-	-	+	-

(+) Indicating the spider species were collected on different crops, (-) Indicating the spider species not found

and rice) (Table 2). They had high population in gardens and fields and they had important role in pest control. The number of species were similar to spider fauna in Azerbaijan, Turkmenistan, Armenia, Kazakhstan, Mediterranean and the Near East But, spiders identification in these area and Iran is necessary to more study.

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