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An updated checklist of spiders (Arachnida: Araneae) of Rajasthan, India

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Abstract

In this review, an updated checklist of spider diversity in Rajasthan, India is presented. A total of 173 spider species from 90 genera belonging to 25 families are listed with records/descriptions originating from only 20 out of 33 districts of Rajasthan. A total of 74 taxa recorded from various districts of Rajasthan were identified only up to generic level. The maximum number of spider species were recorded from Jodhpur district (72 species), followed by Ajmer (69 species), Bharatpur (66 species), Pali (63 species), Jaipur (58 species), Dholpur and Karauli (38 species each), Jhunjhunu and Sikar (31 species each), Sri Ganga Nagar (26 species), Hanumangarh (25 species), and Jaisalmer (26 species). A fewer number of species are known from other districts. Thus far, no faunal surveys of spiders have been conducted in 13 districts of Rajasthan. Most of the national parks and wildlife sanctuaries, forest areas, agricultural fields, human dwellings, *etc*. within the state still await intensive and extensive surveys to record the spider fauna.

Key words: Diversity, faunal distribution, new record, species, spider

Introduction

Members of the arachnid order Araneae Clerck are known as spiders (Arthropoda: Chelicerata: Arachnida). They are amongst the most common, omnipresent (except Antarctica) and plenteous predators, mostly of insects, in terrestrial ecosystems throughout the world. Araneae ranks seventh (50,220 species in 4,265 genera belonging to 132 families) (World Spider Catalog, 2022) after the five largest orders of insects (Coleoptera, Lepidoptera, Hymenoptera, Diptera, Hemiptera) and one order of Arachnids (Acari) in terms of species diversity (Sharma et al., 2020a). Despite recent research on the faunistic biodiversity of spiders in India, the recorded number of taxa is still less compared to other parts of the world. For example, Canada is known for its cold climate and relatively limited biodiversity, but 1,477 spider species belonging to 45 families have been recorded (Bennett et al., 2019). In comparison, India has a very rich biodiversity and tropical climate with biodiversity hotspots but so far, the best account records only 2,344 species described under 596 genera comprising 65 families (Singh and Singh, 2021a), while Caleb and Sankaran (2022) listed only 1,907 species belonging to 462 genera in 61 families.

Araneological studies in Rajasthan date back to Tikader (1961) with the description of three new species (*Gnaphosa kailana*, *Scotophaeus rajasthanus*, and *Thanatus lanceoletus*) and records for ten more species from Bikaner, Jodhpur, and Nagaur districts of Rajasthan. Later, Platnick and Shadab (1974) described one species (*Stenochilus scutulatus* Platnick and Shadab, 1974) from Ajmer and Sirohi. Platnick (1976) and Tikader and Gajbe (1976) also described one species each from Sirohi (*Prodidomus sirohi* Platnick, 1976) and Jodhpur (*Zelotes ashae* Tikader and Gajbe, 1976) districts. Thereafter, several species of spiders were described and recorded from different districts of

Rajasthan in the twentieth century. Studies have continued during the current century by several araneologists such as Dobroruka (2004), Sivaperuman and Rathore (2004; 2009), Chauhan et al. (2009), Sen et al. (2009), Almeida-Silva et al. (2010), Tripathi et al. (2010), Moradmand and Jäger (2012), Saini et al. (2012a; b), Lawania et al. (2013), Kaur et al. (2014), Bhathal et al. (1990; 2015), Lawania and Trigunayat (2015), Saha et al. (2015), Saini (2015), Kumari et al. (2016; 2017; 2019), Patil et al. (2016), Caleb et al. (2017), Lawania and Mathur (2017), Jangid et al. (2019), Malhotra et al. (2019), Prasad et al. (2019), Kashmeera et al. (2020), Tripathi et al. (2021; 2022), and Logunov et al. (2022). These studies have collectively recorded and/or described hundreds of species.

A species inventory is one of the prime necessities for establishing a biodiversity conservation action plan for any given region. The conservation status of 99.5% of the spider species has not yet been appraised by the IUCN globally (Seppälä et al., 2018). The perusal of literature demonstrated that the available information on the spiders of the northwest state, Rajasthan is scattered and about 40% of the area has not yet been surveyed for faunal distribution of spiders. Recently, the checklist of the spider fauna of northeast Indian states (Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura) (Singh and Singh, 2021b), north and northwest Indian states (Haryana, Himachal Pradesh, Punjab), and two union territories (Chandigarh, Delhi) (Singh and Singh, 2021c), Bihar and Jharkhand (Singh and Singh, 2021d), Goa (Singh and Singh, 2022a), Madhya Pradesh (Singh and Sharma, 2022) and Uttar Pradesh and Uttarakhand (Singh and Singh, 2022) of India have been compiled. The objective of this study is to bring together an authoritative list of all spiders in the northwest Indian state, Rajasthan.

Material and Methods

Study area

Rajasthan (23.3 to 30.12° N; 69.30 to 78.17° E) is a northwestern state of India covering 342,239 km^2 areas. It is bordered by Punjab to the north, Haryana and Uttar Pradesh to the northeast, Madhya Pradesh to the southeast and Gujarat to the southwest and Pakistan to the west. Rajasthan is divided into 33 administrative districts (Fig. 1). The Thar Desert and the Aravalli range run through the state from southwest end to the northeast. The southwest peak, Mount Abu, is a hill station. About 60% of Rajasthan lies northwest of the Aravallis. The Thar Desert, also known as the Great Indian Desert, is a vast arid and sandy region in the northwestern part of Rajasthan and covers more than 60% of the geographical area of the state. This region receives less than 400 mm of rain per year. Temperatures sometimes exceed 45°C in the summer months and drop below 0°C in winter. It is an almost uninhabitable area with sparse flora and fauna. The Godwar, Marwar, and Shekhawati regions lie in the thorn scrub forest zone, along with the city of Jodhpur. The desert has major districts like Jodhpur, Jaisalmer, Barmer, Bikaner, and Nagour. The south-eastern part of the Thar Desert is more fertile and has a very diverse topography; to the south is the hill tract of Mewar, in the southeast, a large area forming a tableland within Kota and Bundi districts, to the northeast of these districts is a rocky area while further north, the plains of the northeastern district of Bharatpur are part of a flood basin. Despite the arid and semi-arid climate, the Aravalli Range and the lands to the east and southeast of the range are generally more fertile, better watered, and home to the Khathiar-Gir dry deciduous forests ecoregion. The hilly Vagad area is the wettest region in Rajasthan, and the most heavily forested.

Two rivers, the Banas and Chambal (tributaries of the Ganges), drain the eastern and southeastern part of Rajasthan. The Luni River and its tributaries are the major river system of Godwar and Marwar regions. There are a number of national parks, reserves, and wildlife sanctuaries including Keoladeo National Park in Bharatpur, Ranthambore National Park in Sawai Madhopur, Desert National Park in Jaisalmer, Sariska Tiger Reserve in Alwar, Mukundra Hills Tiger Reserve in Kota, Tal Chhapar Sanctuary in Churu, Mount Abu Sanctuary in Sirohi, Bhensrod Garh Sanctuary in Chittorgarh, Darrah Wildlife Sanctuary in Kota, Jaisamand Sanctuary in Udaipur, Kumbhalgarh Wildlife Sanctuary in Rajsamand, Jawahar Sagar Sanctuary in Kota, and Sita Mata Wildlife Sanctuary in Pratapgarh and Chittaurgarh districts of Rajasthan (Saxena, 2021).

The present checklist is based on the published literature on the spiders from India from books, book chapters, journals, conference proceedings, Records of the Zoological Survey of India, Kolkata, as well as a few reputable theses and websites, and the World Spider Catalog (WSC, 2022) up to July 20, 2022. Most of the earlier published literature contained several errors in scientific names of the spiders. This also occured even in the more recent publications because new taxon descriptions, taxon status modifications, and other nomenclatural decisions and clarifications have occurred with ongoing research on spiders. Therefore, similarly for other taxa, effort must be to maintain up-to-date species list for spiders. In the present checklist, attempts have been made to correct the errors in the scientific names of known spiders following WSC (2021). Misidentified species and taxa identified only up to generic level are listed separately.

For synonymy and endemism of valid spider species, the following may be referred to for 25 families of spiders recorded in Rajasthan, *e.g.* Araneidae Clerck, 1757 (Singh and Singh, 2021a), Cheiracanthiidae Wagner, 1887 (Singh et al., 2020a), Clubionidae Wagner, 1887 (Singh BB et al., 2020), Dictynidae O. Pickard-Cambridge, 1871 (Sharma et al., 2021), Eresidae C. L. Koch, 1845 (Sharma et al., 2021), Gnaphosidae Banks, 1892 (Singh and Singh, 2021e),

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Hersiliidae Thorell, 1869 (Singh et al., 2020b), Liocranidae Simon, 1897 (Sharma et al., 2020b), Lycosidae Sundevall, 1833 (Singh, 2021a), Oecobiidae Blackwall, 1862 (Sharma et al., 2020b), Oxyopidae Thorell, 1869 (Singh, 2021b), Philodromidae Thorell, 1870 (Singh and Singh, 2021f), Pholcidae C. L. Koch, 1850 (Tiwari et al., 2021a), Pisauridae Simon, 1890 (Tiwari and Singh, 2021), Salticidae Blackwall, 1841 (Singh et al., 2020c; d; e; f), Scytodidae Blackwall, 1864 (Singh BB et al., 2021), Sicariidae Keyserling, 1880 (Tiwari et al., 2021b), Sparassidae Bertkau, 1872 (Singh, 2021c), Stenochilidae Thorell, 1873 (Tiwari et al., 2021b), Tetragnathidae Menge, 1866 (Singh, 2021d), Theridiidae Sundevall, 1833 (Singh, 2021e), Thomisidae Sundevall, 1833 (Singh and Singh, 2021g), Titanoecidae Lehtinen, 1967 (Singh and Singh, 2021h), Uloboridae Thorell, 1869 (Singh and Singh, 2021h), and Zodariidae Thorell, 1881 (Singh and Singh, 2021h).

District map of the Indian state Rajasthan was taken from the website https://d-maps.com/pays.php?num_pay=435&lang=en and number of species of spiders reorded in each district is illustrated.

Results and Discussion

The total number of species recorded in the different districts of Rajasthan is illustrated in Table 1. The taxa identified only up to generic level are presented in Table 2, while seemingly misidentified species are listed in Table 3.

In the present compilation, a total of 173 species of spiders described under 90 genera belonging to 25 families. These records/descriptions represent up-to-date information originating from described from only 20 out of 33 districts of Rajasthan. Kashmeera and Sudhikumar (2019) listed only 71 species of spiders from Rajasthan out of which five were inadvertently wrongly referred, i.e. *Araneus diadematus* Clerck, 1757, *Larinioides sclopetarius* (Clerck, 1757), *Theridion varians* Hahn, 1833, *Zilla diodia* (Walckenaer, 1802), and *Larinioides sclopetarius* (Clerck, 1757). These species were stated to occur in Sikar and Jhunjhunu districts vide Tikader (1982), but there is no mention of these species in Tikader (1982). The greatest number of spider species was recorded from Jodhpur (72 species) followed by Ajmer (69 species), Bharatpur (66 species), Pali (63 species), Jaipur (58 species), Dholpur and Karauli (38 species each), Jhunjhunu and Sikar (31 species each), Sri Ganga Nagar (26 species), Hanumangarh (25 species), Jaisalmer (26 species) (Fig. 1) with a fewer number of species in other districts.

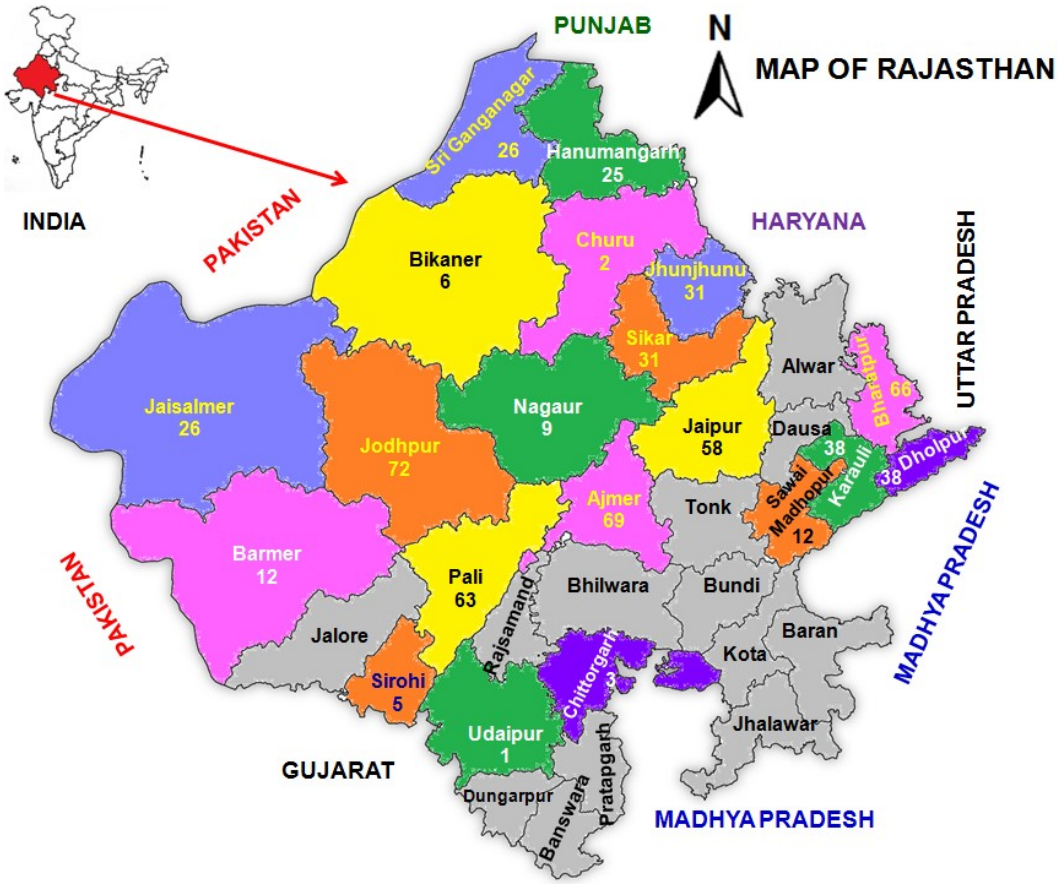

Figure 1: Map of Rajasthan showing number of species of spiders in different districts. Grey color indicated districts that lack faunal surveys for spiders.

No faunal surveys of spiders have so far been conducted in 13 districts of Rajasthan (shown in grey in Figure 1). Most of the national parks and wildlife sanctuaries, forest areas, agricultural fields, human dwellings, *etc*. of Rajasthan still await intensive and extensive survey programs to record a near complete spider fauna. A total of 74 taxa belonging to 26 families of spiders recorded from the different districts of Rajasthan were identified only up to generic level (Table 2) and are excluded from the total list of spiders of Rajasthan (Table 1). Furthermore, 12 species that seem to be misidentifions because these species are not recorded in India (WSC, 2022; Caleb and Sankaran, 2022) (Table 3) are also are excluded from the new checklist.

Table 1: List of species of spiders recorded/described from the districts of Rajasthan, India.

Families	Species	Distribution	References
1. Araneidae	*Araneus mitificus* (Simon, 1886)	Ajmer, Jaipur, Pali	Lawania and Trigunayat, 2015; Jangid et al., 2019
	Araneus panchganiensis Tikader and Bal, 1981	Jodhpur	Kashmeera et al., 2020
	Argiope aemula (Walckenaer, 1837)	Bharatpur, Dholpur, Karauli, Jaipur	Lawania et al., 2013; Kaur et al., 2014; Lawania and Trigunayat, 2015; Lawania and Mathur, 2017
	Argiope anasuja Thorell, 1887	Ajmer, Bharatpur, Jaipur, Pali	Lawania et al., 2013; Lawania and Trigunayat, 2015; Jangid et al., 2019
	Argiope lobate (Pallas, 1772)	Ajmer, Bikaner	Tikader, 1961; Jangid et al., 2019
	Argiope pulchella Thorell, 1881	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
	Cyclosa bifida (Doleschall, 1859)	Ajmer, Pali	Jangid et al., 2019
	Cyclosa hexatuberculata Tikader, 1982	Pali	Jangid et al., 2019
	Cyclosa insulana (Costa, 1834)	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
	Cyclosa moonduensis Tikader, 1963	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
	Cyrtophora cicatrosa (Stoliczka, 1869)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Karauli, Sikar, Sri Ganganagar	Singh and Sihag, 2007; Chauhan et al., 2009; Lawania et al., 2013; Lawania and Trigunayat, 2015; Saini, 2015; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019; Kashmeera et al., 2020
	Cyrtophora citricola (Forsskål, 1775)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Karauli, Nagaur, Sawai Madhopur, Sikar, Sri Ganganagar	Tikader, 1961; Singh and Sihag, 2007; Chauhan et al., 2009; Sen et al., 2009; Saini et al., 2012b; Lawania et al., 2013; Kaur et al., 2014; Lawania and Trigunayat, 2015; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019; Kashmeera et al., 2020
	Cyrtophora exanthematica (Doleschall, 1859)	Ajmer, Pali, Sawai Madhopur	Sen et al., 2009; Saha et al., 2015; Jangid et al., 2019
	Cyrtophora feae Thorell, 1887	Bharatpur	Lawania et al., 2013
	Cyrtophora moluccensis (Doleschall, 1857)	Hanumangarh, Jaipur, Jodhpur, Sri Ganganagar,	Lawania and Trigunayat, 2015; Malhotra et al., 2019; Kashmeera et al., 2020
	Eriovixia excelsa (Simon, 1889)	Ajmer, Bharatpur, Dholpur, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kaur et al., 2014; Lawania and Trigunayat, 2015; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019
	Gasteracantha diadesmia Thorell, 1887	Pali	Jangid et al., 2019
	Gibbaranea bituberculata (Walckenaer, 1802)	Ajmer, Jhunjhunu, Jodhpur, Sikar	Saini et al., 2012a, b; Kumari et al., 2017
	Herennia multipuncta (Doleschall, 1859)	Jaisalmer, Jodhpur	Sivaperuman and Rathore, 2004; 2009; Kashmeera et al., 2020
	Larinia chloris (Audoin, 1826)	Bharatpur, Dholpur, Hanumangarh, Jaipur, Jodhpur, Karauli, Pali, Sri Ganganagar	Kaur et al., 2014; Lawania and Trigunayat, 2015; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019; Kashmeera et al., 2020
	Larinia emertoni Gajbe and Gajbe, 2004	Bharatpur	Lawania and Trigunayat, 2015
	Neoscona bengalensis Tikader and Bal, 1981	Ajmer, Pali	Jangid et al., 2019
	Neoscona biswasi Bhandari and Gajbe, 2001	Hanumangarh, Jodhpur, Sri Ganganagar	Malhotra et al., 2019; Kashmeera et al., 2020
	Neoscona mukerjei Tikader, 1980	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sikar, Sri Ganganagar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kaur et al., 2014; Lawania and Trigunayat, 2015; Kumari et al., 2016; 2017; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019; Kashmeera et al., 2020
	Neoscona nautica (L. Koch, 1875)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Karauli, Jhunjhunu, Jodhpur, Sikar, Sri Ganganagar	Tikader, 1961; Saini et al., 2012b; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019; Kashmeera et al., 2020
	Neoscona odites (Simon, 1906)	Jodhpur	Kashmeera et al., 2020
	Neoscona pavida (Simon, 1906)	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kumari et al., 2017; Kashmeera et al., 2020
	Neoscona theisi (Walckenaer, 1837)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jodhpur, Karauli, Pali, Sri Ganganagar	Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019; Kashmeera et al., 2020
	Nephila pilipes (Fabricius, 1793)	Bharatpur, Jaipur, Pali	Lawania and Trigunayat, 2015; Jangid et al., 2019

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Table 1. (Continued)

Families	Species	Distribution	References
	Cheiracanthium danieli Tikader, 1975	Ajmer, Jhunjhunu, Jodhpur, Pali, Sikar	Saini et al., 2012b; Kumari et al., 2017; Jangid et al., 2019
2. Cheiracanthiidae	*Cheiracanthium indicum* O. Pickard-Cambridge, 1874	Jodhpur	Majumder and Tikader, 1991
	Cheiracanthium melanostomum (Thorell, 1895)	Churu, Jodhpur, Pali, Sawai Madhopur	Majumder and Tikader, 1991; Sen et al., 2009; Saha et al., 2015; Jangid et al., 2019; Kashmeera et al., 2020
3. Clubionidae	*Clubiona filicata* O. P.-Cambridge, 1874	Bharatpur, Dholpur, Jodhpur, Karauli, Udaipur	Majumder and Tikader, 1991; Lawania and Mathur, 2017; Kashmeera et al., 2020
4. Dictynidae	*Nigma shiprai* (Tikader, 1966)	Jaipur	Lawania and Trigunayat, 2015
5. Eresidae	*Stegodyphus pacificus* Pocock, 1900	Ajmer, Jodhpur	Tikader, 1961; Jangid et al., 2019; Kashmeera et al., 2020
	Stegodyphus sarasinorum Karsch, 1892	Ajmer, Jaipur, Jaisalmer, Jhunjhunu, Jodhpur, Pali, Sawai Madhopur, Sikar	Sivaperuman and Rathore, 2004; 2009; Singh and Sihag, 2007; Chauhan et al., 2009; Sen et al., 2009; Tripathi et al., 2010; Saini, 2015; Jangid et al., 2019; Saha et al., 2015; Kashmeera et al., 2020
6. Gnaphosidae	*Callilepis ketani* Gajbe, 1984	Nagaur	Gajbe, 1984
	Callilepis lambai Tikader and Gajbe, 1977	Jaipur	Lawania and Trigunayat, 2015
	Callilepis rajasthanica Tikader and Gajbe, 1977	Jodhpur, Pali	Tikader and Gajbe, 1977; Tikader, 1982; Jangid et al., 2019
	Callilepis rukminiae Tikader and Gajbe, 1977	Chittorgarh	Gajbe, 1988
	Drassodes himalayensis Tikader and Gajbe, 1975	Jaisalmer	Gajbe, 1988
	Drassodes luridus (Pickard-Cambridge, 1874)	Barmer, Bharatpur, Dholpur, Jaisalmer, Karauli, Hanumangarh, Sri Ganganagar	Sivaperuman and Rathore, 2004; 2009; Lawania and Mathur, 2017; Malhotra et al., 2019
	Drassodes parvidens Caporiacco, 1935	Ajmer, Barmer, Jaisalmer, Pali	Sivaperuman and Rathore, 2004; 2009; Jangid et al., 2019
	Eilica tikaderi Platnick, 1976	Ajmer	Jangid et al., 2019
	Gnaphosa jodhpurensis Tikader and Gajbe, 1977	Jodhpur, Pali	Tikader and Gajbe, 1977; Tikader, 1982; Gajbe, 1988; Jangid et al., 2019
	Gnaphosa kailana Tikader, 1961	Bikaner, Jodhpur, Nagaur, Pali	Tikader, 1961; 1982; Jangid et al., 2019; Kashmeera et al., 2020
	Gnaphosa poonaensis Tikader, 1973	Barmer, Bikaner, Churu, Jaipur, Jaisalmer, Jodhpur, Nagaur	Tikader, 1982; Gajbe, 1988; 2007; Tripathi et al., 2010
	Haplodrassus sataraensis Tikader and Gajbe, 1977	Jaipur	Gajbe, 1988
	Marinarozelotes jaxartensis (Kroneberg, 1875)	Jodhpur	Tikader, 1982
	Megamyrmaekion caudatum Reuss, 1834	Jaisalmer	Gajbe, 1988
	Poecilochroa sedula (Simon, 1897)	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004; 2009
	Poecilochroa jodhpurense Gajbe, 1993)	Jodhpur	Gajbe, 1993
	Prodidomus sirohi Platnick, 1976	Sirohi	Platnick, 1976
	Scotophaeus rajasthanus Tikader, 1961	Nagaur	Tikader, 1961; 1982
	Zelotes ashae Tikader and Gajbe, 1976	Ajmer, Jodhpur, Pali	Tikader and Gajbe, 1976; Tikader, 1982; Jangid et al., 2019
	Zelotes desioi Caporiacco, 1935	Jaisalmer	Sivaperuman and Rathore, 2004; 2009
	Zelotes nasikensis Tikader and Gajbe, 1976	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004; 2009
	Zelotes poonaensis Tikader and Gajbe, 1976	Chittorgarh	Gajbe, 1988
	Zelotes sataraensis Tikader and Gajbe, 1979	Barmer, Chittorgarh, Jaisalmer, Jodhpur	Gajbe, 1988
	Zelotes shantae Tikader, 1982	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
7. Hersiliidae	*Hersilia savignyi* Lucas, 1836	Ajmer, Bharatpur, Dholpur, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012a, b; Kaur et al., 2014; Lawania et al., 2013; Lawania and Trigunayat, 2015; Kumari et al., 2017; Jangid et al., 2019
8. Liocranidae	*Oedignatha adhartali* (Gajbe, 2003)	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019

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Table 1. (Continued)

Families	Species	Distribution	References
	Arctosa indica Tikader and Malhotra, 1980	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
	Draposa atropalpis (Gravely, 1924)	Jodhpur,	Kashmeera et al., 2020
	Evippa banarensis Tikader and Malhotra, 1980	Ajmer, Jodhpur, Pali	Tikader and Malhotra, 1980; Jangid et al., 2019
	Evippa rajasthanea Tikader and Malhotra, 1980	Ajmer, Jhunjhunu, Jodhpur, Sikar	Tikader and Malhotra, 1980; Saini et al., 2012b; Kumari et al., 2017; Sanjkaran et al., 2021
	Hippasa agelenoides (Simon, 1884)	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Pali, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini, 2015; Kumari et al., 2017; Jangid et al., 2019
	Hippasa madhuae Tikader and Malhotra, 1980	Bharatpur, Sawai Madhopur	Sen et al., 2009; Kaur et al., 2014; Lawania and Trigunayat, 2015; Saha et al., 2015
	Hippasa pisaurina Pocock, 1900	Ajmer, Bharatpur, Bikaner, Jaipur, Jhunjhunu, Jodhpur, Nagaur, Pali, Sikar	Tikader, 1961; Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kaur et al., 2014; Lawania and Trigunayat, 2015; Kumari et al., 2017; Jangid et al., 2019
	Lycosa bistriata Gravely, 1924	Ajmer, Pali	Jangid et al., 2019
	Lycosa mackenziei Gravely, 1924	Ajmer, Jaipur, Pali	Lawania and Trigunayat, 2015; Jangid et al., 2019
	Lycosa madani Pocock, 1901	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004; 2009
	Lycosa pictula Pocock, 1901	Ajmer, Bharatpur, Jaipur	Lawania et al., 2013; Lawania and Trigunayat, 2015; Jangid et al., 2019
	Lycosa tista Tikader, 1970	Ajmer, Jodhpur, Pali	Jangid et al., 2019; Kashmeera et al., 2020
9. Lycosidae	*Pardosa heterophthalma* (Simon, 1898)	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004, 2009
	Pardosa pseudoannulata (Bösenberg and Strand, 1906)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Jhunjhunu, Karauli, Pali, Sikar, Sri Ganganagar	Saini, 2015; Lawania and Mathur, 2017; Jangid et al., 2019; Kumari et al., 2019; Malhotra et al., 2019
	Pardosa pusiola (Thorell, 1891)	Ajmer, Barmer, Jaisalmer, Jodhpur, Pali	Sivaperuman and Rathore, 2004; 2009; Jangid et al., 2019; Kashmeera et al., 2020
	Pardosa songosa Tikader and Malhotra, 1976	Bharatpur	Kaur et al., 2014; Lawania and Trigunayat, 2015
	Pardosa sumatrana (Thorell, 1890)	Ajmer, Barmer, Jaipur, Jaisalmer, Jodhpur, Jhunjhunu, Sikar	Tikader and Malhotra, 1980; Sivaperuman and Rathore, 2004; 2009; Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012a, b; Kumari et al., 2017
	Trochosa punctipes (Gravely, 1924)	Nagaur	Tikader, 1961
	Trochosa urbana O. Pickard-Cambridge, 1876	Bharatpur, Jaipur	Lawania et al., 2013; Lawania and Trigunayat, 2015
	Wadicosa fidelis (O. Pickard-Cambridge, 1872)	Bharatpur, Dholpur, Jaipur, Jodhpur, Karauli, Pali	Tikader, 1961; Tikader and Malhotra, 1980; Kaur et al., 2014; Lawania and Trigunayat, 2015; Lawania and Mathur, 2017; Jangid et al., 2019; Kashmeera et al., 2020
	Wadicosa quadrifera (Gravely, 1924)	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
10. Oecobiidae	*Oecobius putus* O. Pickard-Cambridge, 1876	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini, 2015; Kumari et al., 2017
	Uroctea indica Pocock, 1900	Barmer, Jaisalmer, Pali	Sivaperuman and Rathore, 2004; 2009; Jangid et al., 2019
	Uroctea thaleri Rheims Rheims, Santos and van Harten, 2007	Nagaur	Gajbe and Bhadra, 1978

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Table 1. (Continued)

Families	Species	Distribution	References
	Hamataliwa subhadrae (Tikader, 1970)	Jodhpur	Kashmeera et al., 2020
	Oxyopes assamensis Tikader, 1969	Jaipur	Lawania and Trigunayat, 2015
	Oxyopes birmanicus Thorell, 1887	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sikar, Sri Ganganagar	Saini et al., 2012b; Lawania et al., 2013; Lawania and Trigunayat, 2015; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019; Kashmeera et al., 2020
	Oxyopes chittrae Tikader, 1965	Hanumangarh, Jodhpur, Sri Ganganagar	Malhotra et al., 2019; Kashmeera et al., 2020
	Oxyopes gujaratensis Gajbe, 1999	Jodhpur,	Kashmeera et al., 2020
	Oxyopes javanus Thorell, 1887	Ajmer, Bharatpur, Jaipur, Jodhpur	Lawania et al., 2013; Lawania and Trigunayat, 2015; Jangid et al., 2019; Kashmeera et al., 2020
	Oxyopes kohaensis Bodkhe and Vankhede, 2012	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
11. Oxyopidae	*Oxyopes hindostanicus* Pocock 1901	Bharatpur, Dholpur, Karauli, Jaipur, Jodhpur	Kaur et al., 2014; Lawania and Trigunayat, 2015; Lawania and Mathur, 2017; Kashmeera et al., 2020; Caleb and Wijesinghe, 2022
	Oxyopes rufisternis Pocock, 1901	Jaipur	Lawania and Trigunayat, 2015
	Oxyopes shweta Tikader, 1970	Ajmer, Bharatpur, Jaipur, Jhunjhunu, Jodhpur, Pali, Sawai Madhopur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Sen et al., 2009; Saini et al., 2012a, b; Lawania and Trigunayat, 2015; Saha et al., 2015; Kumari et al., 2017; Jangid et al., 2019; Kashmeera et al., 2020
	Oxyopes sitae Tikader, 1970	Hanumangarh, Sawai Madhopur, Sri Ganganagar	Sen et al., 2009; Saha et al., 2015; Malhotra et al., 2019
	Oxyopes sunandae Tikader, 1970	Jhunjhunu, Sikar	Saini et al., 2012b
	Peucetia latikae Tikader, 1970	Jodhpur	Kashmeera et al., 2020
	Peucetia viridana (Stoliczka, 1869)	Ajmer, Bharatpur, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Pali, Sikar, Sri Ganganagar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kaur et al., 2014; Kumari et al., 2017; Jangid et al., 2019; Malhotra et al., 2019; Kashmeera et al., 2020
	Peucetia yogeshi Gajbe, 1999	Jodhpur	Kashmeera et al., 2020
12. Philodromidae	*Thanatus lanceoletus* Tikader, 1961	Ajmer, Bikaner, Pali	Tikader, 1961; 1971; 1980; Tikader and Malhotra, 1980; Jangid et al., 2019
13. Pholcidae	*Artema atlanta* Walckenaer, 1837	Ajmer, Bharatpur, Bikaner, Dholpur, Jaipur, Jhunjhunu, Jodhpur, Karauli, Nagaur, Pali, Sikar	Tikader, 1961; Singh and Sihag, 2007; Chauhan et al., 2009; Tripathi et al., 2010; Saini et al., 2012b; Kaur et al., 2014; Lawania and Trigunayat, 2015; Lawania et al., 2013; Lawania and Mathur, 2017; Jangid et al., 2019
	Crossopriza lyoni (Blackwall, 1867)	Ajmer, Bharatpur, Dholpur, Jaipur, Jodhpur, Karauli, Pali	Tikader, 1961; Lawania and Trigunayat, 2015; Lawania and Mathur, 2017; Jangid et al., 2019
	Pholcus phalangioides (Fuesslin, 1775)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sikar, Sri Ganganagar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kaur et al., 2014; Lawania et al., 2013; Lawania and Trigunayat, 2015; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019
14. Pisauridae	*Nilus albocinctus* (Doleschall, 1859)	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017;

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Table 1. (Continued)

Families	Species	Distribution	References
	Aelurillus improvisus Azarkina, 2002	Jaisalmer, Jodhpur	Patil et al., 2016; Kashmeera et al., 2020
	Aelurillus minimontanus Azarkina, 2002	Jaisalmer	Patil et al., 2016
	Bianor albobimaculatus (Lucas, 1846)	Bharatpur, Jaipur	Kaur et al., 2014; Lawania and Trigunayat, 2015
	Bianor pseudomaculatus Logunov, 2000	Bharatpur, Jaipur	Kaur et al., 2014; Lawania and Trigunayat, 2015
	Brettus anchorum Wanless, 1979	Jaisalmer	Patil et al., 2016
	Brettus cingulatus Thorell, 1895	Jaisalmer	Patil et al., 2016
	Carrhotus viduus (C. L. Koch, 1846)	Ajmer	Jangid et al., 2019
	Curubis sipeki Dobroruka, 2004	Rajasthan	Dobroruka, 2004
	Epeus tener (Simon, 1877)	Ajmer, Pali	Jangid et al., 2019
	Epocilla aurantiaca (Simon, 1885)	Ajmer, Pali	Jangid et al., 2019
	Epocilla sirohi Caleb, Chatterjee, Tyagi, Kundu and Kumar, 2017	Pali, Sirohi	Caleb et al., 2017; Jangid et al., 2019
	Hasarius adansoni (Audouin, 1826)	Ajmer, Bharatpur, Jhunjhunu, Jodhpur, Pali, Sikar	Saini et al., 2012b; Kaur et al., 2014; Lawania and Trigunayat, 2015; Kumari et al., 2017; Jangid et al., 2019
	Hyllus semicupreus (Simon, 1885)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Karauli, Pali, Sri Ganganagar	Kaur et al., 2014; Lawania and Trigunayat, 2015; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019
	Menemerus bivittatus (Dufour, 1831)	Ajmer, Bharatpur, Dholpur, Jodhpur, Karauli, Pali	Lawania and Mathur, 2017; Jangid et al., 2019; Kashmeera et al., 2020
	Menemerus brachygnathus (Thorell, 1887)	Jodhpur	Kashmeera et al., 2020
	Menemerus marginatus (Kroneberg, 1875)	Jaisalmer	Tripathi et al., 2021
	Mogrus rajasthanensis Caleb, Chatterjee, Tyagi, Kundu and Kumar, 2017	Jodhpur, Pali, Sirohi	Caleb et al., 2017; Jangid et al., 2019; Kashmeera et al., 2020
	Myrmarachne melanocephala MacLeay, 1839	Jaipur	Lawania and Trigunayat, 2015
15. Salticidae	*Phintella vittata* (C. L. Koch, 1846)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sikar, Sri Ganganagar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012a, b; Kaur et al., 2014; Lawania and Trigunayat, 2015; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019
	Plexippus minor Wesołowska and van Harten, 2010	Jaisalmer	Tripathi et al., 2022
	Plexippus paykulli (Audouin, 1826)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sri Ganganagar, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012a, b; Lawania et al., 2013; Kaur et al., 2014; Lawania and Trigunayat, 2015; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019
	Plexippus petersi (Karsch, 1878)	Bharatpur, Dholpur, Hanumangarh, Karauli, Pali, Sri Ganganagar	Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019
	Portia assamensis Wanless, 1978	Bharatpur, Jaipur	Lawania et al., 2013; Lawania and Trigunayat, 2015
	Pseudomogrus sudhii Logunov, Tripathi and Jangid, 2022	Jaisalmer	Logunov et al., 2022
	Rhene albigera (C. L. Koch, 1846)	Ajmer, Pali, Sawai Madhopur	Sen et al., 2009; Saha et al., 2015; Jangid et al., 2019
	Rudakius ludhianaensis (Tikader, 1974)	Jodhpur	Kashmeera et al., 2020
	Stenaelurillus arambagensis (Biswas and Biswas, 1992)	Ajmer	Jangid et al., 2019
	Telamonia dimidiate (Simon, 1899)	Ajmer, Bharatpur, Dholpur, Jaipur, Karauli, Pali, Sawai Madhopur	Sen et al., 2009; Kaur et al., 2014; Lawania and Trigunayat, 2015; Saha et al., 2015; Lawania and Mathur, 2017; Jangid et al., 2019
	Thyene imperialis (Rossi, 1846)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jodhpur, Karauli, Pali, Sri Ganganagar	Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019; Kashmeera et al., 2020
	Vailimia ajmerensis Caleb and Jangid, 2020	Ajmer, Bharatpur, Jaipur	Kaur et al., 2014; Lawania and Trigunayat, 2015; Basumatary et al., 2020

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Table 1. (Continued)

Families	Species	Distribution	References
16. Scytodidae	*Scytodes fusca* Walckenaer, 1837	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
	Scytodes kinsukus Patel, 1975	Jodhpur	Tripathi et al., 2010
	Scytodes pallida Doleschall, 1859	Ajmer, Pali	Jangid et al., 2019
	Scytodes thoracica (Latreille, 1802)	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
17. Sicariidae	*Loxosceles rufescens* (Dufour, 1820)	Jodhpur	Tripathi et al., 2010
18. Sparassidae	*Eusparassus kronebergi* Denis, 1958	Sri Ganganagar	Moradmand and Jäger, 2012
	Heteropoda fabrei Simon, 1885	Jaisalmer	Sivaperuman and Rathore, 2004; 2009
	Heteropoda nilgirina Pocock, 1901	Pali	Jangid et al., 2019
	Heteropoda venatoria (Linnaeus, 1767)	Pali	Jangid et al., 2019
	Olios milleti (Pocock, 1901)	Ajmer, Bharatpur, Dholpur, Karauli, Pali	Kaur et al., 2014; Lawania and Mathur, 2017; Jangid et al., 2019
	Olios obesulus (Pocock, 1901)	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
	Olios tener (Thorell, 1891)	Ajmer, Pali, Sawai Madhopur	Sen et al., 2009; Saha et al., 2015; Jangid et al., 2019
19. Stenochilidae	*Stenochilus scutulatus* Platnick and Shadab, 1974	Ajmer, Sirohi	Platnick and Shadab, 1974
20. Tetragnathidae	*Guizygiella indica* (Tikader and Bal, 1980)	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Karauli, Pali, Sri Ganganagar	Kaur et al., 2014; Lawania and Trigunayat, 2015; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019
	Guizygiella melanocrania (Thorell, 1887)	Ajmer, Bharatpur, Dholpur, Jaipur, Jhunjhunu, Jodhpur, Karauli, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini, 2015; Lawania and Mathur, 2017; Kumari et al., 2017
	Leucauge decorata (Blackwall, 1864)	Ajmer, Bharatpur, Dholpur, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kaur et al., 2014; Lawania and Trigunayat, 2015; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019;
	Tetragnatha chamberlini (Gajbe, 2004)	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
	Tetragnatha mandibulata Walckenaer, 1842	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Pali, Sikar	Tikader, 1961; Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kumari et al., 2017; Jangid et al., 2019
	Tylorida ventralis (Thorell, 1877)	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
21. Theridiidae	*Argyrodes gazedes* Tikader, 1970	Ajmer, Pali, Sawai Madhopur	Sen et al., 2009; Saha et al., 2015; Jangid et al., 2019
	Nihonhimea indica (Tikader, 1977)	Ajmer	Jangid et al., 2019
	Nihonhimea mundula (L. Koch, 1872)	Ajmer, Bharatpur, Jaipur, Jhunjhunu, Jodhpur, Sikar	Saini et al., 2012b; Lawania and Trigunayat, 2015; Kumari et al., 2017
	Theridion melanostictum O.P.-Cambridge, 1876	Sirohi	Prasad et al., 2019
22. Thomisidae	*Indoxysticus minutus* (Tikader, 1960)	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Pali, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012a, b; Lawania and Trigunayat, 2015; Kumari et al., 2017; Jangid et al., 2019
	Ozyptila chandosiensis Tikader, 1980	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004, 2009
	Ozyptila reenae Basu, 1964	Jodhpur	Kashmeera et al., 2020
	Thomisus andamanensis Tikader, 1980	Sawai Madhopur	Sen et al., 2009; Saha et al., 2015
	Thomisus lobosus Tikader, 1965	Ajmer, Bharatpur, Jaipur, Jodhpur, Pali	Kaur et al., 2014; Lawania and Trigunayat, 2015; Jangid et al., 2019; Kashmeera et al., 2020
	Thomisus projectus Tikader, 1960	Ajmer, Bharatpur, Jaipur, Jhunjhunu, Jodhpur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Lawania et al., 2013; Lawania and Trigunayat, 2015; Kumari et al., 2017
	Thomisus pugilis Stoliczka, 1869	Bharatpur	Kaur et al., 2014
	Tmarus kotigeharus Tikader, 1963	Jodhpur	Kashmeera et al., 2020
	Xysticus bengalensis Tikader and Biswas, 1974	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
23. Titanoecidae	*Pandava shiva* Almeida-Silva, Griswold and Brescovit, 2010	Bharatpur	Almeida-Silva et al., 2010
24. Uloboridae	*Uloborus danolius* Tikader, 1969	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
	Uloborus plumipes Lucas, 1846	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
	Zosis geniculata (Olivier, 1789)	Ajmer, Bharatpur, Pali	Lawania and Mathur, 2017; Jangid et al., 2019
25. Zodariidae	*Suffasia tigrina* (Simon, 1893)	Jaisalmer	Patil et al., 2016

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Table 2: List of spider taxa (identified up to generic level) recorded from the districts of Rajasthan, India.

Families	Species	Distribution	References
1. Agelenidae	*Agelena* sp.	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012a, b; Kumari et al., 2017
2. Araneidae	*Araneus* sp.	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jodhpur, Karauli, Pali, Sri Ganganagar	Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019; Kashmeera et al., 2020
	Argiope sp.	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
	Cyclosa sp.	Ajmer, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Sikar, Sri Ganganagar	Singh and Sihag, 2007; Chauhan et al., 2009; Lawania and Trigunayat, 2015; Saini, 2015; Kumari et al., 2017; Malhotra et al., 2019
	Neoscona sp.	Ajmer, Barmer, Hanumangarh, Jaipur, Jaisalmer, Jodhpur, Sri Ganganagar	Sivaperuman and Rathore, 2004; 2009; Singh and Sihag, 2007; Chauhan et al., 2009; Kumari et al., 2017; Malhotra et al., 2019
	Nephila sp.	Bharatpur	Lawania et al., 2013
	Parawixia sp.	Ajmer	Jangid et al., 2019
3. Cheiracanthiidae	*Cheiracanthium* sp.	Barmer, Jaipur, Jaisalmer	Sivaperuman and Rathore, 2004, 2009; Singh and Sihag, 2007; Chauhan et al., 2009; Lawania and Trigunayat, 2015
4. Clubionidae	*Clubiona* sp.	Jodhpur, Pali	Tripathi et al., 2010; Jangid et al., 2019; Kashmeera et al., 2020
5. Corinnidae	*Aetius* sp.	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004; 2009
	Castianeira sp.	Barmer, Jaipur, Jaisalmer,	Sivaperuman and Rathore, 2004; 2009; Lawania and Trigunayat, 2015
6. Ctenidae	*Ctenus* sp.	Jodhpur	Kashmeera et al., 2020
7. Eresidae	*Stegodyphus* sp.	Jaipur	Singh and Sihag, 2007; Chauhan et al., 2009
8. Filistatidae	*Pritha* sp.	Pali, Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017; Jangid et al., 2019
9. Gnaphosidae	*Callilepis* sp.	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
	Drassodes sp.	Bharatpur, Jaipur, Jodhpur, Pali	Tripathi et al., 2010, Lawania and Trigunayat, 2015; Jangid et al., 2019
	Drassyllus sp.	Jodhpur	Tripathi et al., 2010
	Eilica sp.	Jodhpur	Tripathi et al., 2010
	Gnaphosa sp.	Ajmer, Barmer, Jaisalmer, Jodhpur	Sivaperuman and Rathore, 2004; 2009; Tripathi et al., 2010; Kumari et al., 2017; Jangid et al., 2019; Kashmeera et al., 2020
	Haplodrassus sp.	Jodhpur	Tripathi et al., 2010
	Herpyllus sp.	Jodhpur	Tripathi et al., 2010
	Megamyrmaekion sp.	Jodhpur	Tripathi et al., 2010
	Phaeocedus sp.	Jodhpur	Tripathi et al., 2010
	Poecilochroa sp.	Barmer, Jaisalmer, Jodhpur	Sivaperuman and Rathore, 2004; 2009; Tripathi et al., 2010
	Scopoides sp.	Jodhpur	Tripathi et al., 2010
	Scotophaeus sp.	Jodhpur	Tripathi et al., 2010
	Zelotes sp.	Jodhpur	Tripathi et al., 2010
10. Linyphiidae	*Linyphia* sp.	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
11. Lycosidae	*Hippasa* sp.	Ajmer, Barmer, Jaipur, Jaisalmer, Jodhpur	Sivaperuman and Rathore, 2004; 2009; Singh and Sihag, 2007; Chauhan et al., 2009; Kumari et al., 2017; Jangid et al., 2019
	Lycosa sp.	Ajmer, Barmer, Hanumangarh, Jaipur, Jaisalmer, Jhunjhunu, Jodhpur, Sikar, Sri Ganganagar	Sivaperuman and Rathore, 2004; 2009; Singh and Sihag, 2007; Chauhan et al., 2009; Tripathi et al., 2010; Saini, 2015; Kumari et al., 2017; Jangid et al., 2019; Malhotra et al., 2019
	Pardosa sp.	Ajmer, Barmer, Jaisalmer, Jaipur, Jhunjhunu, Jodhpur, Sikar	Sivaperuman and Rathore, 2004; 2009; Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kumari et al., 2017
12. Oecobiidae	*Oecobius* sp.	Pali	Jangid et al., 2019
13. Oxyopidae	*Oxyopes* sp.	Ajmer, Bharatpur, Dholpur, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini, 2015; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019
	Peucetia sp.	Barmer, Hanumangarh, Jaisalmer, Jodhpur, Sri Ganganagar	Sivaperuman and Rathore, 2004; 2009; Malhotra et al., 2019; Kashmeera et al., 2020
14. Palpimanidae	*Otiothops* sp.	Jodhpur	Tripathi et al., 2010
15. Philodromidae	*Philodromus* sp.	Ajmer, Bharatpur, Dholpur, Jodhpur, Karauli	Tripathi et al., 2010; Lawania and Mathur, 2017; Jangid et al., 2019; Kashmeera et al., 2020
	Tibellus sp.	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004; 2009
16. Pholcidae	*Artema* sp.	Ajmer, Jhunjhunu, Jodhpur, Sikar	Saini et al., 2012b; Kumari et al., 2017
	Pholcus sp.	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
17. Pisauridae	*Dolomedes* sp.	Pali,	Jangid et al., 2019
	Hygropoda sp.	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
	Nilus sp.	Pali	Jangid et al., 2019
	Pisaurina sp.	Bharatpur	Kaur et al., 2014

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Table 2. (Continued)

Families	Species	Distribution	References
18. Psechridae	*Psechrus* sp.	Ajmer	Jangid et al., 2019
19. Salticidae	*Aelurillus* sp.	Ajmer, Pali	Jangid et al., 2019
	Afraflacilla sp.	Jodhpur	Kashmeera et al., 2020
	Bavia sp.	Jaipur	Lawania and Trigunayat, 2015
	Brettus sp.	Ajmer	Jangid et al., 2019
	Langona sp.	Jodhpur	Kashmeera et al., 2020
	Marpissa sp.	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004; 2009
	Mogrus sp.	Jodhpur	Kashmeera et al., 2020
	Myrmarachne sp.	Ajmer, Bharatpur, Dholpur, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019
	Pellenes sp.	Jodhpur	Kashmeera et al., 2020
	Phidippus sp.	Ajmer	Jangid et al., 2019
	Plexippus sp.	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
	Portia sp.	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
	Salticus sp.	Jodhpur	Tripathi et al., 2010
20. Scytodidae	*Scytodes* sp.	Ajmer, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Sikar, Sri Ganganagar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini, 2015; Kumari et al., 2017; Malhotra et al., 2019; Kashmeera et al., 2020
21. Selenopidae	*Selenops* sp.	Ajmer, Hanumangarh, Sri Ganganagar	Jangid et al., 2019; Malhotra et al., 2019
22. Sparassidae	*Heteropoda* sp.	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini, 2015; Kumari et al., 2017
	Olios sp.	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini, 2015; Kumari et al., 2017
	Sparassus sp.	Jaisalmer	Sivaperuman and Rathore, 2004, 2009
23. Tetragnathidae	*Leucauge* sp.	Bharatpur	Lawania and Trigunayat, 2015
	Tetragnatha sp.	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
24. Theridiidae	*Argyrodes* sp.	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kumari et al., 2017
	Steatoda sp.	Ajmer, Bharatpur, Jaipur	Lawania and Trigunayat, 2015; Jangid et al., 2019
	Theridion sp.	Pali	Jangid et al., 2019
25. Thomisidae	*Bomis* sp.	Jodhpur	Kashmeera et al., 2020
	Misumena sp.	Pali	Jangid et al., 2019
	Synema sp.	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004; 2009
	Thomisus sp.	Jhunjhunu, Jodhpur, Sikar	Saini, 2015; Kashmeera et al., 2020
	Tmarus sp.	Ajmer, Bharatpur, Dholpur, Hanumangarh, Karauli, Jaipur, Jodhpur, Sri Ganganagar	Singh and Sihag, 2007; Chauhan et al., 2009; Kumari et al., 2017; Lawania and Mathur, 2017; Malhotra et al., 2019; Kashmeera et al., 2020
	Xysticus sp.	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
26. Uloboridae	*Uloborus* sp.	Ajmer, Bharatpur, Dholpur, Hanumangarh, Jaipur, Jhunjhunu, Jodhpur, Karauli, Pali, Sikar, Sri Ganganagar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kaur et al., 2014; Kumari et al., 2017; Lawania and Mathur, 2017; Jangid et al., 2019; Malhotra et al., 2019

Table 3: Dubious and erroneous records of spider species from Rajasthan, India.

No.	Species	Family	Districts	References
1	*Tegenaria domestica* (Clerck, 1757)	Agelenidae	Jaipur	Lawania and Trigunayat, 2015
2	*Neoscona crucifera* (Lucas, 1838)	Araneidae	Ajmer, Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017; Jangid et al., 2019
3	*Drassodes lapidosus* (Walckenaer, 1802)	Gnaphosidae	Barmer	Bhanotar et al., 1980
4	*Anoteropsis hilaris* (L. Koch, 1877)	Lycosidae	Ajmer, Jhunjhunu, Jodhpur, Sikar	Saini et al., 2012b; Kumari et al., 2017
5	*Leptopholcus podophthalmus* (Simon, 1893)	Pholcidae	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
6	*Cosmophasis umbratica* Simon, 1903	Salticidae	Jaipur	Lawania and Trigunayat, 2015
7	*Phidippus yashodharae* Tikader, 1977	Salticidae	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
8	*Selenops insularis* Keyserling, 1881	Selenopidae	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
9	*Meotipa pulcherrima* (Mello-Leitão, 1917)	Theridiidae	Jaipur	Lawania and Trigunayat, 2015
10	*Mecaphesa celer* (Hentz, 1847)	Thomisidae	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
11	*Ozyptila brevipes* (Hahn, 1826)	Thomisidae	Jodhpur	Kashmeera et al., 2020
12	*Thomisus italongus* Barrion and Litsinger, 1995	Thomisidae	Sawai Madhopur	Sen et al., 2009; Saha et al., 2015

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Conflict of interest

The authors declare that there are no conflicting issues related to this review article.

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