

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 km² 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 occurred 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),

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), Titanoeidae 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 recorded 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 scolopetarius* (Clerck, 1757), *Theridion varians* Hahn, 1833, *Zilla diodia* (Walckenaer, 1802), and *Larinioides scolopetarius* (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.

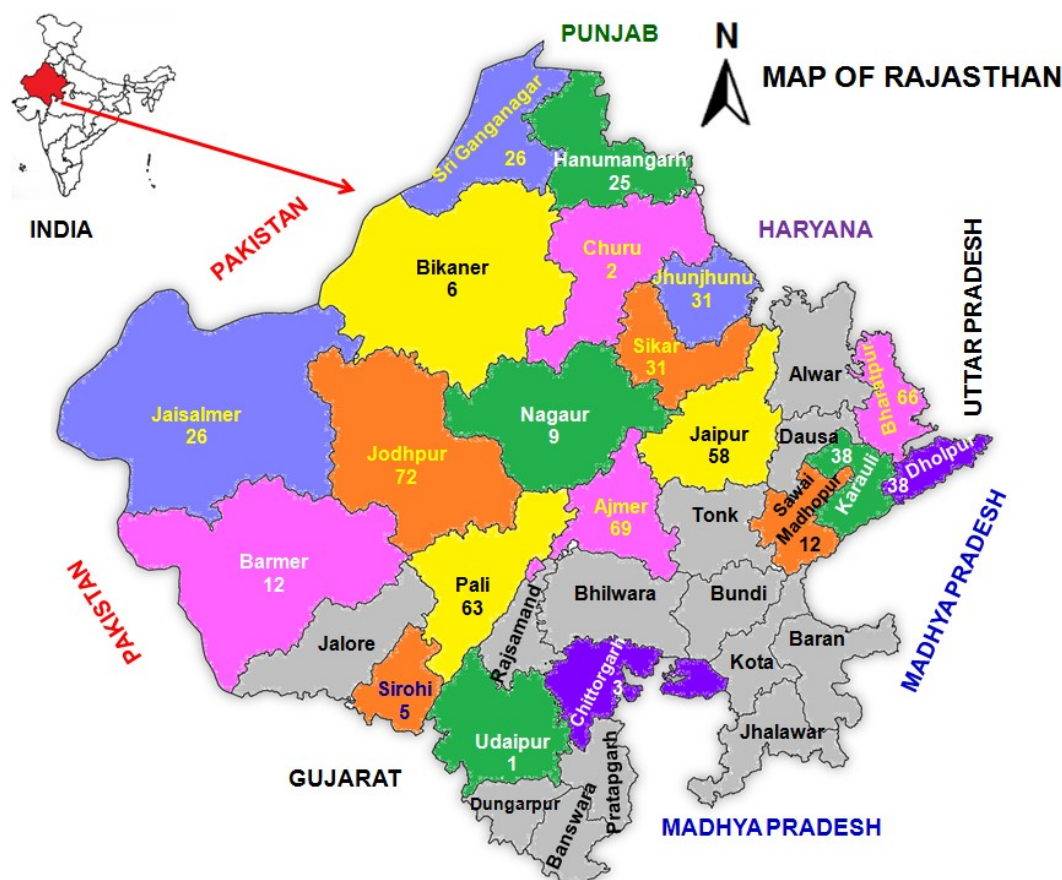


Figure 1: Map of Rajasthan showing number of species of spiders in different districts. Grey color indicated districts that lack faunal surveys for spiders.

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 misidentifications because these species are not recorded in India (WSC, 2022; Caleb and Sankaran, 2022) (Table 3) are also 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	<i>Araneus mitificus</i> (Simon, 1886)	Ajmer, Jaipur, Pali	Lawania and Trigunayat, 2015; Jangid et al., 2019
	<i>Araneus panchganiensis</i> Tikader and Bal, 1981	Jodhpur	Kashmeera et al., 2020
	<i>Argiope aemula</i> (Walckenaer, 1837)	Bharatpur, Dholpur, Karauli, Jaipur	Lawania et al., 2013; Kaur et al., 2014; Lawania and Trigunayat, 2015; Lawania and Mathur, 2017
	<i>Argiope anasuja</i> Thorell, 1887	Ajmer, Bharatpur, Jaipur, Pali	Lawania et al., 2013; Lawania and Trigunayat, 2015; Jangid et al., 2019
	<i>Argiope lobate</i> (Pallas, 1772)	Ajmer, Bikaner	Tikader, 1961; Jangid et al., 2019
	<i>Argiope pulchella</i> Thorell, 1881	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
	<i>Cyclosa bifida</i> (Doleschall, 1859)	Ajmer, Pali	Jangid et al., 2019
	<i>Cyclosa hexatuberculata</i> Tikader, 1982	Pali	Jangid et al., 2019
	<i>Cyclosa insulana</i> (Costa, 1834)	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
	<i>Cyclosa moonduensis</i> Tikader, 1963	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
	<i>Cyrtophora cicatrosa</i> (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
	<i>Cyrtophora citricola</i> (Forsskal, 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
	<i>Cyrtophora exanthematica</i> (Doleschall, 1859)	Ajmer, Pali, Sawai Madhopur	Sen et al., 2009; Saha et al., 2015; Jangid et al., 2019
	<i>Cyrtophora feae</i> Thorell, 1887	Bharatpur	Lawania et al., 2013
	<i>Cyrtophora moluccensis</i> (Doleschall, 1857)	Hanumangarh, Jaipur, Jodhpur, Sri Ganganagar,	Lawania and Trigunayat, 2015; Malhotra et al., 2019; Kashmeera et al., 2020
	<i>Eriovixia excelsa</i> (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
	<i>Gasteracantha diademesia</i> Thorell, 1887	Pali	Jangid et al., 2019
	<i>Gibbaranea bituberculata</i> (Walckenaer, 1802)	Ajmer, Jhunjhunu, Jodhpur, Sikar	Saini et al., 2012a, b; Kumari et al., 2017
	<i>Herennia multipuncta</i> (Doleschall, 1859)	Jaisalmer, Jodhpur	Sivaperuman and Rathore, 2004; 2009; Kashmeera et al., 2020
	<i>Larinia chloris</i> (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
	<i>Larinia emertoni</i> Gajbe and Gajbe, 2004	Bharatpur	Lawania and Trigunayat, 2015
	<i>Neoscona bengalensis</i> Tikader and Bal, 1981	Ajmer, Pali	Jangid et al., 2019
	<i>Neoscona biswasi</i> Bhandari and Gajbe, 2001	Hanumangarh, Jodhpur, Sri Ganganagar	Malhotra et al., 2019; Kashmeera et al., 2020
	<i>Neoscona mukerjei</i> 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
	<i>Neoscona nautica</i> (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
	<i>Neoscona odites</i> (Simon, 1906)	Jodhpur	Kashmeera et al., 2020
	<i>Neoscona pavida</i> (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
	<i>Neoscona theisi</i> (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
	<i>Nephila pilipes</i> (Fabricius, 1793)	Bharatpur, Jaipur, Pali	Lawania and Trigunayat, 2015; Jangid et al., 2019

Table 1. (Continued)

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

Table 1. (Continued)

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

Table 1. (Continued)

Families	Species	Distribution	References
11. Oxyopidae	<i>Hamataliwa subhadrae</i> (Tikader, 1970)	Jodhpur	Kashmeera et al., 2020
	<i>Oxyopes assamensis</i> Tikader, 1969	Jaipur	Lawania and Trigunayat, 2015
	<i>Oxyopes birmanicus</i> 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
	<i>Oxyopes chittrae</i> Tikader, 1965	Hanumangarh, Jodhpur, Sri Ganganagar	Malhotra et al., 2019; Kashmeera et al., 2020
	<i>Oxyopes gujaratensis</i> Gajbe, 1999	Jodhpur,	Kashmeera et al., 2020
	<i>Oxyopes javanus</i> Thorell, 1887	Ajmer, Bharatpur, Jaipur, Jodhpur	Lawania et al., 2013; Lawania and Trigunayat, 2015; Jangid et al., 2019; Kashmeera et al., 2020
	<i>Oxyopes kohaensis</i> Bodkhe and Vankhede, 2012	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
	<i>Oxyopes hindostanicus</i> 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
	<i>Oxyopes rufisternis</i> Pocock, 1901	Jaipur	Lawania and Trigunayat, 2015
	<i>Oxyopes shweta</i> 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
	<i>Oxyopes sitae</i> Tikader, 1970	Hanumangarh, Sawai Madhopur, Sri Ganganagar	Sen et al., 2009; Saha et al., 2015; Malhotra et al., 2019
	<i>Oxyopes sunandae</i> Tikader, 1970	Jhunjhunu, Sikar	Saini et al., 2012b
	<i>Peucetia latikae</i> Tikader, 1970	Jodhpur	Kashmeera et al., 2020
	<i>Peucetia viridana</i> (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
	<i>Peucetia yogeshi</i> Gajbe, 1999	Jodhpur	Kashmeera et al., 2020
12. Philodromidae	<i>Thanatus lanceoletus</i> Tikader, 1961	Ajmer, Bikaner, Pali	Tikader, 1961; 1971; 1980; Tikader and Malhotra, 1980; Jangid et al., 2019
13. Pholcidae	<i>Artema atlanta</i> 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
	<i>Crossopriza lyoni</i> (Blackwall, 1867)	Ajmer, Bharatpur, Dholpur, Jaipur, Jodhpur, Karauli, Pali	Tikader, 1961; Lawania and Trigunayat, 2015; Lawania and Mathur, 2017; Jangid et al., 2019
	<i>Pholcus phalangioides</i> (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	<i>Nilus albocinctus</i> (Doleschall, 1859)	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017;

Table 1. (Continued)

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

Table 1. (Continued)

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

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

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

Table 2. (Continued)

Families	Species	Distribution	References
18. Psechridae	<i>Psechrus</i> sp.	Ajmer	Jangid et al., 2019
	<i>Aelurillus</i> sp.	Ajmer, Pali	Jangid et al., 2019
	<i>Afraflacilla</i> sp.	Jodhpur	Kashmeera et al., 2020
	<i>Bavia</i> sp.	Jaipur	Lawania and Trigunayat, 2015
	<i>Brettus</i> sp.	Ajmer	Jangid et al., 2019
	<i>Langona</i> sp.	Jodhpur	Kashmeera et al., 2020
	<i>Marpissa</i> sp.	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004; 2009
	<i>Mogrus</i> sp.	Jodhpur	Kashmeera et al., 2020
19. Salticidae	<i>Myrmarachne</i> 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
	<i>Pellenes</i> sp.	Jodhpur	Kashmeera et al., 2020
	<i>Phidippus</i> sp.	Ajmer	Jangid et al., 2019
	<i>Plexippus</i> sp.	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
	<i>Portia</i> sp.	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
	<i>Salticus</i> sp.	Jodhpur	Tripathi et al., 2010
20. Scytodidae	<i>Scytodes</i> 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	<i>Selenops</i> sp.	Ajmer, Hanumangarh, Sri Ganganagar	Jangid et al., 2019; Malhotra et al., 2019
	<i>Heteropoda</i> sp.	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini, 2015; Kumari et al., 2017
22. Sparassidae	<i>Olios</i> sp.	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini, 2015; Kumari et al., 2017
	<i>Sparassus</i> sp.	Jaisalmer	Sivaperuman and Rathore, 2004, 2009
23. Tetragnathidae	<i>Leucauge</i> sp.	Bharatpur	Lawania and Trigunayat, 2015
	<i>Tetragnatha</i> sp.	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
	<i>Argyrodes</i> sp.	Ajmer, Jaipur, Jhunjhunu, Jodhpur, Sikar	Singh and Sihag, 2007; Chauhan et al., 2009; Saini et al., 2012b; Kumari et al., 2017
24. Theridiidae	<i>Steatoda</i> sp.	Ajmer, Bharatpur, Jaipur	Lawania and Trigunayat, 2015; Jangid et al., 2019
	<i>Theridion</i> sp.	Pali	Jangid et al., 2019
	<i>Bomis</i> sp.	Jodhpur	Kashmeera et al., 2020
	<i>Misumena</i> sp.	Pali	Jangid et al., 2019
	<i>Synema</i> sp.	Barmer, Jaisalmer	Sivaperuman and Rathore, 2004; 2009
25. Thomisidae	<i>Thomisus</i> sp.	Jhunjhunu, Jodhpur, Sikar	Saini, 2015; Kashmeera et al., 2020
	<i>Tmarus</i> 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
	<i>Xysticus</i> sp.	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
26. Uloboridae	<i>Uloborus</i> 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	<i>Tegenaria domestica</i> (Clerck, 1757)	Agelenidae	Jaipur	Lawania and Trigunayat, 2015
2	<i>Neoscona crucifera</i> (Lucas, 1838)	Araneidae	Ajmer, Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017; Jangid et al., 2019
3	<i>Drassodes lapidosus</i> (Walckenaer, 1802)	Gnaphosidae	Barmer	Bhanotar et al., 1980
4	<i>Anoteropsis hilaris</i> (L. Koch, 1877)	Lycosidae	Ajmer, Jhunjhunu, Jodhpur, Sikar	Saini et al., 2012b; Kumari et al., 2017
5	<i>Leptopholcus podophthalmus</i> (Simon, 1893)	Pholcidae	Hanumangarh, Sri Ganganagar	Malhotra et al., 2019
6	<i>Cosmophasis umbratica</i> Simon, 1903	Salticidae	Jaipur	Lawania and Trigunayat, 2015
7	<i>Phidippus yashodharae</i> Tikader, 1977	Salticidae	Bharatpur, Jaipur	Lawania and Trigunayat, 2015
8	<i>Selenops insularis</i> Keyserling, 1881	Selenopidae	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
9	<i>Meotipa pulcherrima</i> (Mello-Leitão, 1917)	Theridiidae	Jaipur	Lawania and Trigunayat, 2015
10	<i>Mecaphesa celer</i> (Hentz, 1847)	Thomisidae	Bharatpur, Dholpur, Karauli	Lawania and Mathur, 2017
11	<i>Ozyptila brevipes</i> (Hahn, 1826)	Thomisidae	Jodhpur	Kashmeera et al., 2020
12	<i>Thomisus italongus</i> Barrión 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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