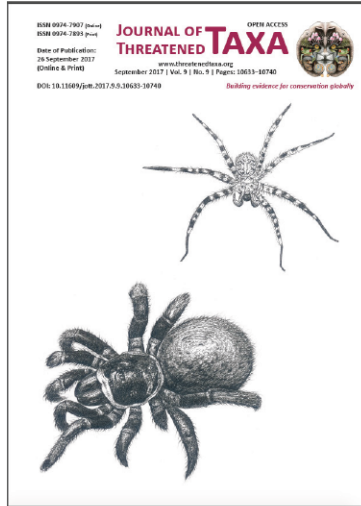


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SPIDERS OF GUJARAT: A PRELIMINARY CHECKLIST

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Abstract: This is a very first attempt to compile a checklist of spiders from Gujarat. It is a result of primary data as well as based on published literature. The spider diversity of Gujarat consists of 415 species under 169 genera and 40 families. Out of these, 29 genera and 17 families are endemic to Gujarat. Overall, high spider diversity was recorded from zone III with 33 families, 132 genera and 278 species. Whereas, the zone with the least spider records was zone VI with only 16 families, 39 genera and 70 species. This is an under estimated number and many new records as well as new species are expected as a result of more systematic studies on spiders in this region.

Keywords: Arachnidae, arachnofauna, diversity, estimates.

The current world list of spider includes 46,386 species under 4,026 genera and 113 families (WSC 2017). India has over 1,700 species belonging to 450 genera under 61 families (WSC 2017). So far, in India, state level checklists have not been compiled. This information is crucial for the forest department to understand the wealth of biodiversity in their states. With this objective, the Gujarat Biodiversity Board (GBB) initiated projects for compilation and documentation of biodiversity of various taxa in Gujarat. As a result of this

initiative, surveys for documenting spiders in Gujarat were carried out from March 2014 to May 2015.

STUDY AREA

The study was conducted in Gujarat (22.309425 N & 72.136230 E), India. Gujarat has 33 districts and 24 protected areas. The climate normally remains hot reaching a temperature of 45°C in the summer and lowering down to 25°C during the winter. The average annual rainfall ranges between 51 and 102 centimeters.

Based on the climatic variation, Gujarat is divided into eight agro-climatic zones by the Agriculture and Co-operation Department, Government of Gujarat: (i) lower southern Gujarat, (ii) upper southern Gujarat, (iii) middle Gujarat, (iv) northern Gujarat, (v) Bhal & coastal area, (vi) southern Saurashtra, (vii) northern Saurashtra, and (viii) northwestern zone (Fig. 1, Table 1). Each zone varies from the other in terms of its habitat, flora, climate, soil and rainfall. These variations in the zones results in the diverse groups of organisms, thus making it a potential site for carrying out the present study.

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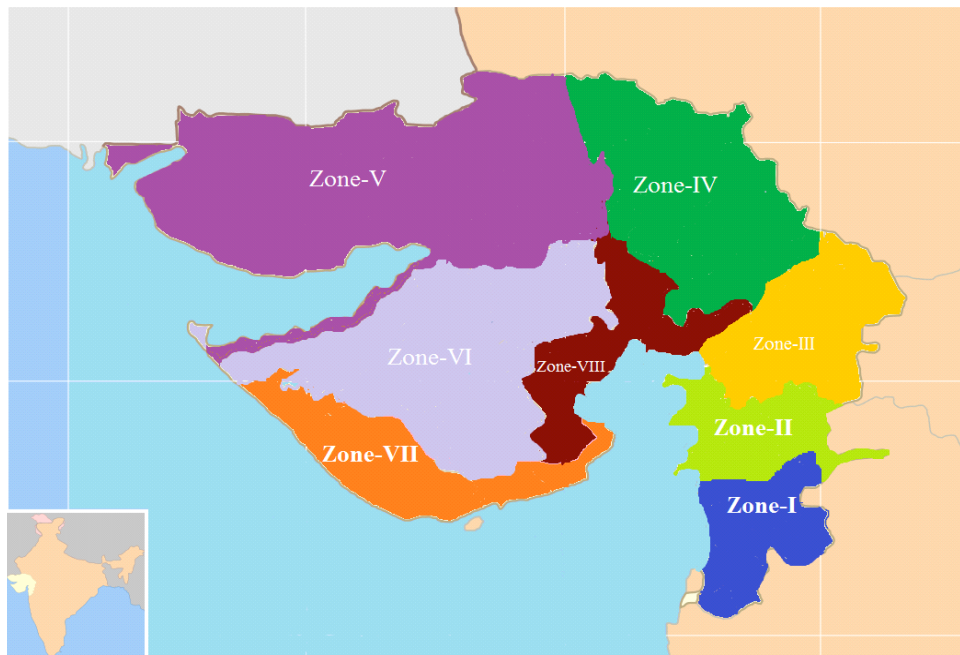


Figure 1. Map of agro-climatic zones of Gujarat

METHODS

The sampling of spiders was carried out from the month of March 2014 to May 2015 throughout Gujarat. The study sites were selected based on the previous studies on spiders and carried out in the state of Gujarat (see references in Table 3). New habitat that had not been approached or studied so far were considered for surveys. These areas included agricultural fields, residential areas, community gardens and fragmented habitats.

Spiders are found in different strata in a habitat like foliage weavers, ground weavers, foliage hunters and ground hunters and they cannot be collected with a single or common method. Therefore, different methods were applied to collect spiders from different strata. A systematic collection was made using different methods in every habitat zone during the study in Gujarat. The following methods were employed to collect spiders following Sebastian & Peter (2009) and Koh & Ming (2013).

A). Vegetation-beating: This method was targeted for spiders living in the shrub, high herb vegetation, bushes, and small trees and branches. Spiders were collected by tapping the vegetation with a stick while holding a collecting tray or inverted umbrella underneath.

B). Pitfall-trap: This method was targeted for collecting wandering ground spiders. For the pitfall trap, round plastic cups of 100mm diameter and 110mm depth were used. Each pitfall was filled with ethylene glycol (about 10mm high) and these traps were checked

every 12 hours. A maximum of 50 traps were placed in forested areas for a minimum of two nights.

C). Sweep-net: Sweep nets were used to collect spiders mainly from grassy areas. Only low, primarily herbaceous or shrubby vegetation was swept. Areas without suitable vegetation were omitted. The net was emptied at regular intervals (after three to five sweeps) to avoid loss and destruction of the specimens.

D). Leaf-litter sampling: Leaf litter from one square meter area was collected in a polythene bag and the materials were dumped on a white surface to collect the spiders living in the microhabitat. In each habitat, 20–25 collections of leaf-litter were done from different areas.

E). Active Search: Whenever spiders were encountered, they were carefully picked without injuring them and transferred to plastic vials containing ethanol. Small spiders were collected with the help of a brush dipped in ethanol. Sedentary spiders found on the leaf blades and those on the webs were caught in the vial by holding it open beneath them and by dislodging the spiders into it.

Spider specimens collected from each location were preserved in 70% ethanol and placed in individual vials with a proper label (specimen number, locality or study site, date, time, collector's name). Taxonomic identification was done by observing specimens under a stereo-zoom microscope (WILD™ and Leica MPS) with magnification from 20X to 75X in the lab. Standard literature was used for identification of spiders (Tikader 1980, 1982; Tikader & Biswas 1981; Sethi & Tikader

Table 1. List of zones with geographic and ecological information

Zone	Sites covered	Dominant flora
Zone - I (lower southern Gujarat)	Whole Dangs District; parts of Valsad District; parts of Surat District (Vyara, Uchchhal, Songadh, Mahuva talukas).	Crops plant: <i>Gossypium hirsutum</i> , <i>Sorghum vulgare</i> , <i>Oryza sativa</i> , <i>Saccharum officinarum</i> . Trees: <i>Cassia fistula</i> , <i>Polyalthia longifolia</i> , <i>Terminalia bellirica</i> . Herbs: <i>Alternanthera pungens</i> , <i>Tridax procumbens</i> , <i>Euphorbia hirta</i> .
Zone - II (upper southern Gujarat)	Parts of Valsad District (Navsari and Gandavi talukas); parts of Surat District (Kamrej, Nizar, Palsana, Bardoli, Mangrol and Mandvi talukas) and Parts of Bharuch District (Ankleshwar, Valia, Rajpipla, Dediapada and Sagabara talukas).	Crops Plant: <i>Gossypium hirsutum</i> , <i>Sorghum vulgare</i> , <i>Saccharum officinarum</i> , <i>Triticum aestivum</i> . Trees: <i>Ricinus communis</i> , <i>Gmelian indica</i> , <i>Michelia chamaka</i> , <i>Bauhinia perporea</i> . Herbs: <i>Tridax procumbens</i> , <i>Trifolium spp.</i> , <i>Cassia tora</i> , <i>Ocimum basilicum</i> .
Zone - III (middle Gujarat)	Panchmahals District; Whole of Vadodara District; parts of Bharuch District (Bharuch Amod and Jambusar talukas) and Borsad taluka of Kheda District.	Crops plants: <i>Gossypium hirsutum</i> , <i>Triticum aestivum</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Zea mays</i> , <i>Sorghum vulgare</i> . Herbs: <i>Euphorbia hirta</i> , <i>Oxalis corniculata</i> , <i>Portulaca oleracea</i> , <i>Tridax procumbens</i> , <i>Alternanthera pungens</i> . Trees: <i>Cassia fistula</i> , <i>Polyalthia longifolia</i> , <i>Terminalia bellirica</i> , <i>Citrus limon</i> , <i>Aegle marmelos</i> .
Zone - IV (north Gujarat)	Part of Mehsana, Ahmedabad and Banaskantha districts; Whole of Sabarkantha District; Whole of Kheda District except Borsad; parts of Khambhat and Matar talukas; Whole of Mehsana District.	Crops plants: <i>Sorghum vulgare</i> , <i>Saccharum officinarum</i> , <i>Triticum aestivum</i> . Trees: <i>Ricinus communis</i> , <i>Gmelian indica</i> , <i>Michelia chamaka</i> , <i>Bauhinia perporea</i> , <i>Phyllanthus emlica</i> . Hedges: <i>Lantana camara</i> , <i>Duranta erecta</i> . Herbs: <i>Tridax procumbens</i> , <i>Alternanthera pungens</i> , <i>Vernonia cinerea</i> .
Zone - V (Bhal and coastal area)	Area around the gulf of Khambhat and Bhal & coastal region in Bharuch and Surat districts; Olpad talukas of Surat District; Hansot & Wagra talukas of Bharuch District; Dholka and Dhandhuka talukas of Ahmedabad District; Vallabhipur and Bhavnagar talukas of Bhavnagar District; Limbdi talukas of Surendranagar District.	Crops plants: <i>Sorghum vulgare</i> , <i>Saccharum officinarum</i> , <i>Triticum aestivum</i> . Trees: <i>Albizia salvadora</i> , <i>Prosopis juliflora</i> . Shrub: <i>Capparis deciduas</i> , <i>Suaeda maritime</i> , <i>Tamarix ericoides</i> . Herbs: <i>Ammania buccifera</i> , <i>Caesulia axillaris</i> , <i>Heliotropium supinum</i> . Grasses: <i>Aristida adscensionis</i> , <i>Dactyloctenium argyptium</i> , <i>Dichanthium annulatum</i> .
Zone - VI (south Sourashtra)	Whole of Junagadh District; part of Bhavnagar District (Sihori, Ghogha, Savarkundla, Gariadhar, Palitana, Talaja and Mahuvataluka), Part of Amreli District (Dhari, Kodinar, Rajula, Jafraabad, Khambha, Amreli, Babra, Lilia, Lathi and Kunkavatalukas); part of Rajkot District (Jetpur, Dhoraji, Upleta and Gondaltalukas).	Crops plants: <i>Gossypium hirsutum</i> , <i>Triticum aestivum</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Zea mays</i> , <i>Sorghum vulgare</i> . Herbs: <i>Euphorbia hirta</i> , <i>Oxalis corniculata</i> , <i>Portulaca oleracea</i> , <i>Tridax procumbens</i> , <i>Alternanthera pungens</i> . Trees: <i>Cassia fistula</i> , <i>Polyalthia longifolia</i> , <i>Terminalia bellirica</i> , <i>Citrus limo</i> , <i>Aegle marmelos</i> , <i>Annona squamosa</i> .
Zone - VII (north Sourashtra)	Part of Rajkot District (except Jetpur, Dhoraji, Upleta and Gondaltalukas).	Crop plants: <i>Gossypium hirsutum</i> , <i>Sorghum vulgare</i> , <i>Oryza sativa</i> , <i>Saccharum officinarum</i> . Trees: <i>Cassia fistula</i> , <i>Polyalthia longifolia</i> , <i>Terminalia bellirica</i> . Herbs: <i>Alternanthera pungens</i> , <i>Tridax procumbens</i> , <i>Euphorbia hirta</i> , <i>Euphorbia helioscopia</i> .
Zone - VIII (north west zone)	Whole of Kutch District Malia taluka of Rajkot District; Halvad Dhrangadhra and Dasada talukas of Surendranagar District; Sami Harij and Chanasmatalukas of Mehsana District; Santalpur, Radhanpur, Kankrej, Diyodar Vav and Tharad talukas in Banaskantha District and Viramgam and Daskroi city in Ahmedabad District.	Trees: <i>Acacia azadirachta indica</i> , <i>Balanites aegyptica</i> . Herbs: <i>Aeluropus lagopoides</i> , <i>Balanites aegyptica</i> , <i>Bergia capensis</i> , <i>Calotropis gigantean</i> . Shrubs: <i>Grssypium herbaccum</i> , <i>Calotropis</i> .

1988; Pocock 1900; Patel & Reddy 1990; Reddy & Patel 1994; Patel 2003; Gajbe 2007, 2008).

RESULT AND DISCUSSION

Spider documentation in the past from Gujarat has been relatively well done because of the work of the pioneer arachnologist, Dr. B.H. Patel, who described 16 new species of spiders and published several checklists from different parts of the state (Patel 1971, 1973, 1975a,b, 2003; Patel & Vyas 2001). He contributed over 33% of the total spider records from Gujarat and popularized spider studies in the state. Apart from his publications, several sporadic taxonomic descriptions and checklists from Gujarat were published by different

arachnologists/researchers (Siliwal 2003a,b; Trivedi 2009; Parasharya & Vyas 2013; Kumar 2015; Solanki 2016).

Based on a review of literature and primary data collected during the present study, an updated checklist of spiders of Gujarat was prepared for the first time. So far, 415 species under 169 genera and 40 families have been reported from Gujarat (Table 3). Of these, 149 species belonging to 99 genera and 28 families were recorded during the present study (Table 3). The study area was divided into eight zones and spider diversity in each zone is summarized in Table 2. The highest spider records were from the northwestern zone, which consists of the whole of Panchmahal and Vadodara

Table 2. Summary of spider records across different zones in Gujarat

Zones	Families	Genera	Species
I	26	93	211
II	24	45	56
III	33	132	278
IV	26	90	172
V	19	50	68
VI	16	39	70
VII	22	61	83
VIII	19	42	64

districts and part of Bharuch and Kheda districts (Patel & Vyas 2001; Patel 2003). Whereas, the least records of spiders were from Zone VI (southern Saurashtra areas), with least family and generic documentation (Table 2). It is mainly because of the semi-arid habitat and logistics that very few spiders were recorded from this zone.

To achieve optimum diversity of spiders in the collection, a combination of all the methods were found to be useful rather than a single method. Like the pit-fall trap method was found to be more effective than the rest of the methods for collecting ground spiders. Whereas, the active search method was useful in collecting web-weavers, burrowing spiders and spiders living on tree trunks, leaf-litter sampling was found to be useful in collecting very small spiders like oonopids and zodariids.

Of the total spiders recorded from Gujarat, the analysis shows that a fair number of endemic species are represented in the state: 31 species are endemic to Gujarat, 150 species endemic to India and 26 species endemic to South Asia.

Overall, there were 19 interesting records of spiders during the present study, which will be published in separate papers. During the study, the Palearctic genus *Erigone* was found in Gujarat, which was previously known only from the Himalaya. Amongst mygalomorphs, three genera of the tarantula family Theraphosidae (*Chilobrachys*, *Plesiophrictus* and *Poecilotheria*) have been recorded from the region. With *Plesiophrictus millardi* Pocock, 1899 and *Poecilotheria regalis* Pocock, 1899 records in Dangs is the northern most distribution range for these species in the Western Ghats. Apart from theraphosids, the trapdoor genus *Idiops* of the Idiopidae was also recorded during the study and mygalomorphs were predominantly recorded from Dangs, southern Gujarat (Table 3).

CONCLUSION

Arthropod studies in Gujarat in the past were mainly based on opportunistic collections. Most of the studies were sporadic and restricted to a few localities and one season. The present study therefore, emphasized on systematic collection covering all habitat zones in Gujarat as a result of which we have come up with many interesting records of spiders.

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Table 3. Checklist of spiders across different zones in Gujarat, India

	Family	Species	Zones								References
			I	II	III	IV	V	VI	VII	VIII	
1	Araneidae	<i>Afracantha camerunensis</i> (Thorell, 1899)	Y								Patel 1971
2	Araneidae	<i>Alloctylosa bifurca</i> (McCook, 1887)			Y						Siliwal 2000
3	Araneidae	<i>Araneus bilunifer</i> Pocock, 1900	Y		Y	Y			Y		Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Kumar & Yashkamal 2011
4	Araneidae	<i>Araneus ellipticus</i> (Tikader & Bal, 1981)			Y				Y		Anonymous 2009
5	Araneidae	<i>Araneus mitificus</i> (Simon, 1886)			Y	Y					Bhatt 2014; Solanki 2016; Prajapati et al. 2016c; present study
6	Araneidae	<i>Araneus pahalgaoensis</i> Tikader & Bal, 1981	Y								Siliwal et al. 2003b; Anonymous 2009
7	Araneidae	<i>Argiope aemula</i> (Walckenaer, 1841)	Y	Y	Y	Y	Y		Y	Y	Siliwal 2000; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Kumar & Yashkamal 2011; Solanki 2016; present study
8	Araneidae	<i>Argiope anasuja</i> Thorell, 1887	Y	Y	Y	Y	Y	Y	Y	Y	Patel & Vyas 2001; Siliwal 2000; Patel 2003; Siliwal et al. 2003a,b; Anonymous 2009; Kumar & Yashkamal 2011; Solanki & Kumer 2014; Solanki 2016; Prajapati et al. 2016c; present study
9	Araneidae	<i>Argiope arcuata</i> Simon, 1884	Y								Patel 1971
10	Araneidae	<i>Argiope minuta</i> Karsch, 1879	Y								Patel 2003; Anonymous 2009
11	Araneidae	<i>Argiope pulchella</i> Thorell, 1881	Y			Y	Y				Siliwal 2000; Siliwal et al. 2003b; Patel 2003; Anonymous 2009;
12	Araneidae	<i>Argiope submaronica</i> Strand, 1916			Y						Patel 1971
13	Araneidae	<i>Argiope trifasciata</i> (Forsskål, 1775)				Y					Anonymous 2009; present study
14	Araneidae	<i>Chorizopes khanjanus</i> Tikader, 1965	Y		Y	Y					Reddy & Patel 1991; Patel 2003; Anonymous 2009
15	Araneidae	<i>Chorizopes khedaensis</i> Reddy & Patel, 1993				Y					Reddy & Patel 1993; Siliwal 2000
16	Araneidae	<i>Chorizopes pateli</i> Reddy & Patel, 1993	Y								Siliwal et al. 2003b
17	Araneidae	<i>Chorizopes</i> sp.			Y	Y	Y		Y		Solanki 2016; present study
18	Araneidae	<i>Cyclosa confragata</i> (Thorell, 1892)	Y	Y	Y	Y	Y	Y	Y		Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Solanki 2016; Prajapati et al. 2016c; present study
19	Araneidae	<i>Cyclosa hexatuberculata</i> Tikader, 1982			Y	Y					Siliwal 2000; Bhatt 2014; Solanki 2016; Prajapati et al. 2016c; present study
20	Araneidae	<i>Cyclosa insulana</i> (Costa, 1834)	Y		Y						Siliwal 2000; Patel 2003; ; Anonymous 2009
21	Araneidae	<i>Cyclosa moonduensis</i> Tikader, 1963		Y	Y	Y		Y		Y	Patel 1975; Patel & Vyas 2001; Anonymous 2009; Bhatt 2014; Solanki 2016; present study
22	Araneidae	<i>Cyclosa mulmeinensis</i> (Thorell, 1887)	Y		Y		Y				Siliwal 2000; Siliwal et al. 2003b; present study
23	Araneidae	<i>Cyclosa simoni</i> Tikader, 1982			Y	Y					Siliwal 2000; Bhatt 2014
24	Araneidae	<i>Cyclosa spirifera</i> Simon, 1889	Y		Y	Y					Siliwal 2000; Anonymous 2009; Bhatt 2014; Prajapati et al. 2016c; present study
25	Araneidae	<i>Cyrtarachne</i> sp.			Y	Y					Present study
26	Araneidae	<i>Cyrtophora cicatrosa</i> (Stoliczka, 1869)	Y		Y	Y		Y			Siliwal 2000; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Kumar & Yashkamal 2011; Bhatt 2014; Solanki 2016; Prajapati et al. 2016c; present study
27	Araneidae	<i>Cyrtophora citricola</i> (Forsskål, 1775)	Y		Y	Y	Y	Y	Y	Y	Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Bhatt 2014; Solanki 2016; Prajapati et al. 2016c; present study
28	Araneidae	<i>Cyrtophora feai</i> (Thorell, 1887)	Y								Patel 2003; Anonymous 2009
29	Araneidae	<i>Eriovixia excelsa</i> (Simon, 1889)	Y		Y	Y					Siliwal 2000; Patel & Vyas 2001; Patel 2003; Siliwal et al. 2003a; Anonymous 2009; Bhatt 2014; Solanki 2016; present study

	Family	Species	Zones								References
			I	II	III	IV	V	VI	VII	VIII	
30	Araneidae	<i>Eriovixia laglaizei</i> (Simon, 1877)	Y		Y	Y					Siliwal 2000; Siliwal et al. 2003a,b; Anonymous 2009; Solanki 2016; present study
31	Araneidae	<i>Eriovixia poonaensis</i> (Tikader & Bal, 1981)	Y		Y						Patel 2003; Anonymous 2009; Solanki 2016
32	Araneidae	<i>Gasteracantha hasselti</i> C. L. Koch, 1837	Y		Y						Siliwal et al. 2003b; Patel 2003; Anonymous 2009; Siliwal & Kumar 2011
33	Araneidae	<i>Gasteracantha kuhli</i> C. L. Koch, 1837	Y		Y						Siliwal et al. 2003b; Patel 2003; Anonymous 2009; Solanki 2016
34	Araneidae	<i>Gasteracantha unguifera</i> Simon, 1889	Y		Y						Siliwal 2000; Siliwal & Kumar 2001; Siliwal et al. 2003b; Anonymous 2009
35	Araneidae	<i>Gea subarmata</i> Thorell, 1890			Y						Solanki 2016
36	Araneidae	<i>Gibbaranea bituberculata</i> (Walckenaer, 1802)	Y								Anonymous 2009
37	Araneidae	<i>Herennia multipuncta</i> (Doleschall, 1859)	Y								Patel 2003; Anonymous 2009
38	Araneidae	<i>Larinia chloris</i> (Audouin, 1826)	Y		Y						Siliwal 2000; Siliwal et al. 2003a; Kumar & Shivakumar 2006; Anonymous 2009; Solanki 2016
39	Araneidae	<i>Larinia phthisica</i> (L. Koch, 1871)	Y			Y					Patel 1975; Siliwal et al. 2003b; Patel 2003; Anonymous 2009
40	Araneidae	<i>Larinia tyloridia</i> Patel, 1975	Y		Y	Y	Y	Y			Patel 1975; Patel & Reddy 1990; Patel 2003; Siliwal et al. 2003b; Anonymous 2009
41	Araneidae	<i>Lipocrea fusiformis</i> (Thorell, 1877)			Y						Solanki 2016
42	Araneidae	<i>Lipocrea</i> sp.	Y	Y		Y					Present study
43	Araneidae	<i>Neoscona bengalensis</i> Tikader & Bal, 1981	Y		Y						Siliwal 2000; Siliwal et al. 2003a,b; Anonymous 2009; Kumar & Yashkamal 2011;
44	Araneidae	<i>Neoscona bihumpi</i> (Patel, 1988)							Y		Patel 1988; Anonymous 2009
45	Araneidae	<i>Neoscona molemensis</i> Tikader & Bal, 1981	Y								Siliwal et al. 2003b; Anonymous 2009
46	Araneidae	<i>Neoscona mukerjei</i> Tikader, 1980	Y		Y	Y		Y			Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Kumar & Yashkamal 2011; Solanki & Kumar 2014; Solanki 2016; Prajapati et al. 2016c; present study
47	Araneidae	<i>Neoscona murthi</i> Patel & Reddy, 1990	Y				Y				Patel & Reddy 1990; Patel 2003
48	Araneidae	<i>Neoscona nautica</i> (L. Koch, 1875)	Y	Y	Y	Y	Y	Y	Y	Y	Tikader 1982; Siliwal 2000; Siliwal et al. 2003b; Anonymous 2009; Bhatt 2014; Solanki 2016; present study
49	Araneidae	<i>Neoscona pavidia</i> (Simon, 1906)	Y		Y						Patel 2003; Anonymous 2009
50	Araneidae	<i>Neoscona punctigera</i> (Doleschall, 1857)	Y		Y	Y					Patel 1975; Patel 2003; Anonymous 2009
51	Araneidae	<i>Neoscona sinhagadensis</i> (Tikader, 1975)	Y		Y	Y					Siliwal 2000; Siliwal et al. 2003b; Kumar & Shivakumar 2007; Anonymous 2009; Trivedi 2009; Kumar & Yashkamal 2011
52	Araneidae	<i>Neoscona theisi</i> (Walckenaer, 1841)	Y	Y	Y	Y	Y	Y	Y	Y	Patel 1975; Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003a,b; Patel 2003; Kumar & Shivakumar 2006; Anonymous 2009; Kumar & Yashkamal 2011; Solanki & Kumar 2014; Solanki 2016; Prajapati et al. 2016c; present study
53	Araneidae	<i>Neoscona vigilans</i> (Blackwall, 1865)	Y		Y		Y		Y		Patel 2003; Anonymous 2009; Solanki 2016; Patel 2015; present study
54	Araneidae	<i>Nephila kuhlii</i> (Doleschall, 1859)	Y								Siliwal et al. 2003b; Anonymous 2009
55	Araneidae	<i>Nephila pilipes</i> (Fabricius, 1793)	Y								Patel 2003; Anonymous 2009
56	Araneidae	<i>Ordgarius hobsoni</i> (O. Pickard-Cambridge, 1877)			Y						Siliwal 2000; Kumar & Shivakumar 2006; Anonymous 2009
57	Araneidae	<i>Parawixia dehaani</i> (Doleschall, 1859)	Y			Y					Siliwal 2000; Siliwal et al. 2003a,b; Anonymous 2009;
58	Araneidae	<i>Parawixia</i> sp.			Y						Solanki & Kumar 2014
59	Araneidae	<i>Poltys bhabanii</i> (Tikader, 1970)			Y						Solanki 2016; present study

	Family	Species	Zones								References	
			I	II	III	IV	V	VI	VII	VIII		
60	Araneidae	<i>Poltys bhavnagarensis</i> Patel, 1988					Y				Patel 1988; Anonymous 2009	
61	Araneidae	<i>Poltys columnaris</i> Thorell, 1890									Solanki 2016	
62	Araneidae	<i>Poltys nagpurensis</i> Tikader, 1982			Y						Solanki 2016	
63	Araneidae	<i>Singa</i> sp.		Y	Y						Solanki 2016; present study	
64	Araneidae	<i>Thelacantha brevispina</i> (Doleschall, 1857)	Y		Y	Y					Anonymous 2009; Solanki 2016; Prajapati et al. 2016c; present study	
65	Arkyidae	<i>Arkys tuberculatus</i> (Balogh, 1978)								Y	Anonymous 2009	
66	Clubionidae	<i>Clubiona drassodes</i> O. Pickard-Cambridge, 1874	Y	Y	Y	Y	Y			Y	Y	Siliwal 2000; Siliwal et al. 2003a; Kumar & Shivakumar 2006; Anonymous 2009; Kumar & Yashkamal 2011; Solanki 2016; present study
67	Clubionidae	<i>Clubiona filicata</i> O. Pickard-Cambridge, 1874	Y		Y	Y	Y			Y	Y	Siliwal 2000; Siliwal et al. 2003a,b; Anonymous 2009; Kumar & Yashkamal 2011; Solanki & Kumar 2014; Solanki 2016; present study
68	Clubionidae	<i>Clubiona ludhianaensis</i> Tikader, 1976			Y							Siliwal 2000; Kumar & Yashkamal 2011
69	Clubionidae	<i>Clubiona pashabhahi</i> Patel & Patel, 1973	Y		Y	Y						Patel & Patel 1973; Patel 2003; Anonymous 2009; Solanki 2016
70	Clubionidae	<i>Clubiona</i> sp.			Y							Present study
71	Clubionidae	<i>Clubiona tikaderi</i> Majumder & Tikader, 1991	Y									Anonymous 2009; present study
72	Corinnidae	<i>Castianeira albopicta</i> Gravely, 1931			Y							Siliwal 2000; Siliwal et al. 2003a; Anonymous 2009; Kumar & Yashkamal 2011
73	Corinnidae	<i>Castianeira azteca</i> Reiskind, 1969			Y							Kumar & Yashkamal 2011
74	Corinnidae	<i>Castianeira bengalensis</i> Biswas, 1984	Y		Y							Siliwal 2000; Kumar & Shivakumar 2010
75	Corinnidae	<i>Castianeira flavipes</i> Gravely, 1931			Y							Siliwal 2000; Siliwal et al. 2003a; Anonymous 2009; Kumar & Yashkamal 2011
76	Corinnidae	<i>Castianeira tinae</i> Patel & Patel, 1973				Y						Patel & Patel 1973; Anonymous 2009; Bhatt 2014;
77	Corinnidae	<i>Castianeira zetes</i> Simon, 1897			Y	Y						Bhatt 2014; Solanki 2016
78	Corrinidae	<i>Cambalida deorsa</i> Murappa et al., 2016				Y						Murappa et al. 2016
79	Corrinidae	<i>Cambalida tuma</i> Murappa et al., 2016		Y								Murappa et al. 2016
80	Corrinidae	<i>Castianeira</i> sp.			Y							Present study
81	Ctenidae	<i>Ctenus dangsus</i> Reddy & Patel, 1994	Y									Reddy & Patel 1994
82	Ctenidae	<i>Ctenus narashinai</i> Patel & Reddy, 1988			Y							Solanki 2016
83	Deinopidae	<i>Deinopis goalparaensis</i> Tikader & Malhotra, 1978	Y		Y							Siliwal 2000; Anonymous 2009; Kumar & Shivakumar 2010
84	Dictynidae	<i>Dictyna</i> sp.								Y		Anonymous 2009
85	Eresidae	<i>Stegodyphus mirandus</i> Pocock, 1899	Y									Siliwal et al. 2003b; Anonymous 2009
86	Eresidae	<i>Stegodyphus pacificus</i> Pocock, 1900	Y		Y	Y			Y			Patel & Vyas 2001; Patel 2003; Anonymous 2009; Solanki 2016
87	Eresidae	<i>Stegodyphus sarasinorum</i> Karsch, 1892	Y		Y	Y	Y	Y	Y	Y		Siliwal 2000; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Kumar & Yashkamal 2009; Kumar & Yashkamal 2011; Bhatt 2014; Solanki & Kumar 2014; Solanki 2016; present study
88	Eresidae	<i>Stegodyphus</i> sp.					Y					Present study
89	Eresidae	<i>Stegodyphus tibialis</i> (O. Pickard-Cambridge, 1869)	Y		Y				Y			Patel & Vyas 2001; Patel 2003; Anonymous 2009;
90	Eutichuridae	<i>Cheiracanthium danieli</i> Tikader, 1975			Y		Y					Present study
91	Eutichuridae	<i>Cheiracanthium furculatum</i> Karsch, 1879	Y									Siliwal et al. 2003b

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			I	II	III	IV	V	VI	VII	VIII	
92	Eutichuridae	<i>Cheiracanthium inornatum</i> O.Pickard-Cambridge, 1874			Y						Solanki 2016
93	Eutichuridae	<i>Cheiracanthium melanostomum</i> (Thorell, 1895)	Y	Y	Y	Y			Y	Y	Siliwal 2000; Patel & Vyas 2001; Kumar & Shivakumar, 2006; Anonymous 2009; Kumar & Yashkamal 2011; Solanki & Kumar 2014; Solanki 2016; present study
94	Eutichuridae	<i>Cheiracanthium nalsaroverense</i> Patel & Patel, 1973				Y					Patel & Patel 1973; Anonymous 2009;
95	Eutichuridae	<i>Cheiracanthium poonaense</i> Majumder & Tikader, 1991			Y					Y	Siliwal et al. 2003a; Anonymous 2009; Trivedi 2009
96	Eutichuridae	<i>Cheiracanthium rupicola</i> (Thorell,1897)			Y						Solanki 2016
97	Eutichuridae	<i>Cheiracanthium saraswatii</i> Tikader, 1962	Y		Y	Y			Y	Y	Patel & Vyas 2001; Patel 2003; Anonymous 2009;
98	Eutichuridae	<i>Cheiracanthium triviale</i> (Thorell, 1895)	Y		Y						Present study
99	Filistatidae	<i>Filistata napadensis</i> Patel, 1975	Y			Y				Y	Patel 1975; Patel & Vyas 2001; Patel 2003; Anonymous 2009
100	Filistatidae	<i>Pritha dharmakumarsinhii</i> Patel, 1978	Y		Y	Y	Y				Patel 1978; Patel 2003; Anonymous 2009; present study
101	Filistatidae	<i>Pritha poonaensis</i> (Tikader, 1963)				Y					Patel 1971
102	Filistatidae	<i>Sahastata ashapuriae</i> Patel, 1978						Y			Patel 1978; Anonymous 2009
103	Filistatidae	<i>Sahastata sinuspersica</i> Marusiket al., 2014		Y		Y				Y	Present study
104	Gnaphosidae	<i>Callilepes</i> sp.			Y						Anonymous 2009
105	Gnaphosidae	<i>Camillina</i> sp.		Y							Present study
106	Gnaphosidae	<i>Drassodes gujaratensis</i> Patel & Patel, 1975			Y	Y					Patel & Patel 1975; Siliwal et al. 2003a; Anonymous 2009
107	Gnaphosidae	<i>Drassodes macilentus</i> O. Pickard-Cambridge, 1874			Y						Anonymous 2009
108	Gnaphosidae	<i>Drassodes parvidens</i> Caporiacco, 1934			Y					Y	Patel & Vyas 2001
109	Gnaphosidae	<i>Drassodes sirmourensis</i> (Tikader & Gajbe, 1977)								Y	Present study
110	Gnaphosidae	<i>Drassodes</i> sp.			Y						Solanki 2016
111	Gnaphosidae	<i>Drassyllus</i> sp.			Y						Present study
112	Gnaphosidae	<i>Eilica tikaderi</i> Platnick, 1976				Y				Y	Present study Prajapati et al. 2016c
113	Gnaphosidae	<i>Gnaphosa poonaensis</i> Tikader, 1973	Y		Y	Y				Y	Gajbe 1988; Siliwal 2000; Siliwal et al. 2003a,b; Anonymous 2009; Kumar & Shivakumar 2006
114	Gnaphosidae	<i>Gnaphosa stoliczkai</i> O. Pickard-Cambridge, 1885	Y								Siliwal et al. 2003b; Anonymous 2009
115	Gnaphosidae	<i>Haplodrassus</i> sp.			Y					Y	Solanki 2016; present study
116	Gnaphosidae	<i>Megamyрмаekion ashae</i> Tikader & Gajbe, 1977			Y						Solanki 2016
117	Gnaphosidae	<i>Melicymnis</i> sp.	Y								Present study
118	Gnaphosidae	<i>Phaeoedus haribhaii</i> Patel & Patel, 1975			Y	Y					Patel & Patel 1975; Anonymous 2009
119	Gnaphosidae	<i>Phaeoedus poonaensis</i> Tikader, 1982			Y					Y	Siliwal 2000; Patel & Vyas 2001
120	Gnaphosidae	<i>Poecilochroa tikaderi</i> Patel, 1989								Y	Patel 1989; Anonymous 2009
121	Gnaphosidae	<i>Scopoides kuljitae</i> (Tikader, 1982)			Y						Solanki 2016
122	Gnaphosidae	<i>Scopoides</i> sp.			Y						Anonymous 2009; Solanki 2016
123	Gnaphosidae	<i>Scotophaeus madalasae</i> Tikader & Gajbe, 1977			Y						Siliwal 2000; Kumar & Shivakumar 2006; Anonymous 2009
124	Gnaphosidae	<i>Sergiolus khodiarae</i> Patel, 1988							Y		Patel 1988; Anonymous 2009

	Family	Species	Zones								References
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125	Gnaphosidae	<i>Sosticus poonaensis</i> Tikader, 1982			Y						Siliwal et al. 2003a
126	Gnaphosidae	<i>Sosticus sundargarhensis</i> Gajbe, 1979	Y		Y						Siliwal 2000; Siliwal et al. 2003b; Anonymous 2009
127	Gnaphosidae	<i>Trachyzelotes jaxartensis</i> (Kroneberg, 1875)			Y	Y					Patel & Patel 1975; Siliwal 2000; Siliwal et al. 2003a; Anonymous 2009; Solanki 2016; present study
128	Gnaphosidae	<i>Zelotes mandae</i> Tikader & Gajbe, 1979			Y						Solanki 2016; present study
129	Gnaphosidae	<i>Zelotes mandlaensis</i> Tikader & Gajbe, 1976		Y	Y	Y				Y	Present study
130	Gnaphosidae	<i>Zelotes sajali</i> Tikader & Gajbe, 1979			Y	Y					Tikader & Gajbe 1979; Gajbe 1988; Siliwal 2000
131	Gnaphosidae	<i>Zelotes</i> sp.			Y						Siliwal et al. 2003a; Anonymous 2009
132	Hersiliidae	<i>Hersilia aadi</i> Pravalikha, Srinivasulu & Srinivasulu, 2014			Y						Solanki 2016
133	Hersiliidae	<i>Hersilia savignyi</i> Lucas, 1836	Y	Y	Y	Y	Y	Y	Y	Y	Patel & Vyas 2000; Siliwal et al. 2003b; Patel 2003; Anonymous 2009; Bhatt 2014; Prajapati et al. 2016c; present study
134	Hersiliidae	<i>Murrcia hyderabadensis</i> Javed & Tampil, 2010			Y						Solanki 2016
135	Idiopidae	<i>Idiops</i> sp.	Y								Present study
136	Linyphiidae	<i>Erigone</i> sp.			Y						Present study
137	Linyphiidae	<i>Labulla nepula</i> Tikader, 1970			Y						Siliwal 2000; Siliwal et al. 2003a; Anonymous 2009; Kumar & Yashkamal 2011; Solanki & Kumar 2014
138	Linyphiidae	<i>Stemonyphantes</i> sp.			Y						Siliwal 2000; Solanki & Kumar 2014
139	Liocranidae	<i>Oedignatha</i> sp.		Y	Y						Solanki 2016; present study
140	Lycosidae	<i>Arctosa khudiensis</i> (Sinha, 1951)								Y	Anonymous 2009
141	Lycosidae	<i>Arctosa mulani</i> (Dyal, 1935)								Y	Anonymous 2009
142	Lycosidae	<i>Evipa banarensis</i> Tikader & Malhotra, 1980							Y		Patel & Vyas 2001
143	Lycosidae	<i>Evipa praelongipes</i> (O. Pickard-Cambridge, 1870)						Y		Y	Anonymous 2009; Trivedi 2009
144	Lycosidae	<i>Evipa rajasthanica</i> Tikader & Malhotra, 1980						Y			Trivedi 2009
145	Lycosidae	<i>Evipa rubiginosa</i> Simon, 1885						Y			Patel & Vyas 2001
146	Lycosidae	<i>Evipa shivajii</i> Tikader & Malhotra, 1980								Y	Anonymous 2009
147	Lycosidae	<i>Evipa sohani</i> Tikader & Malhotra, 1980			Y						Anonymous 2009; Kumar & Yashkamal 2011
148	Lycosidae	<i>Evipa</i> sp.	Y	Y	Y	Y	Y		Y	Y	Siliwal et al. 2003a; Solanki 2016; present study
149	Lycosidae	<i>Hippasa agelenoides</i> (Simon, 1884)	Y		Y						Anonymous 2009
150	Lycosidae	<i>Hippasa greenalliae</i> (Blackwall, 1867)	Y		Y						Patel 2003; Anonymous 2009
151	Lycosidae	<i>Hippasa loundasi</i> (Gravely, 1924)				Y					Prajapati et al. 2016c
152	Lycosidae	<i>Hippasa lycosina</i> Pocock, 1900	Y		Y						Siliwal 2000; Patel 2003; Siliwal et al. 2003a,b; Patel 2003; Kumar & Shivakumar 2006; Anonymous 2009; Kumar & Yashkamal 2011; Solanki 2016
153	Lycosidae	<i>Hippasa madhuae</i> Tikader & Malhotra, 1980	Y								Patel 2003; Anonymous 2009
154	Lycosidae	<i>Hippasa madraspatana</i> Gravely, 1924	Y								Anonymous 2009
155	Lycosidae	<i>Hippasa olivacea</i> (Thorell, 1887)								Y	Anonymous 2009
156	Lycosidae	<i>Hippasa partita</i> (O. Pickard-Cambridge, 1876)	Y		Y		Y		Y	Y	Patel 2003; Kumar & Shivakumar 2006; Anonymous 2009; present study

	Family	Species	Zones								References	
			I	II	III	IV	V	VI	VII	VIII		
157	Lycosidae	<i>Hippasa pisaurina</i> Pocock, 1900	Y	Y	Y	Y			Y	Y	Y	Patel 1971; Patel & Vyas 2001; Siliwal et al. 2003a; Anonymous 2009; Kumar & Yashkamal 2011; Bhatt 2014; present study
158	Lycosidae	<i>Hippasa</i> sp.			Y							Siliwal et al. 2003a; Solanki & Kumar 2014
159	Lycosidae	<i>Lycosa bistrata</i> Gravely, 1924	Y									Patel 2003; Anonymous 2009
160	Lycosidae	<i>Lycosa chaperi</i> Simon, 1885							Y			Patel & Vyas 2001
161	Lycosidae	<i>Lycosa geotubalis</i> Tikader & Malhotra, 1980	Y						Y			Patel & Vyas 2001; Patel 2003
162	Lycosidae	<i>Lycosa goliathus</i> Pocock, 1901							Y			Patel & Vyas 2001; Anonymous 2009
163	Lycosidae	<i>Lycosa grahami</i> Fox, 1935	Y		Y							Siliwal 2000; Kumar & Shivakumar 2006
164	Lycosidae	<i>Lycosa iranii</i> Pocock, 1901			Y				Y			Patel & Vyas 2001
165	Lycosidae	<i>Lycosa lambai</i> Tikader & Malhotra, 1980	Y									Anonymous 2009; present study
166	Lycosidae	<i>Lycosa mackenziei</i> Gravely, 1924				Y						Bhatt 2014
167	Lycosidae	<i>Lycosa madani</i> Pocock, 1901	Y		Y	Y			Y	Y		Siliwal et al. 2003b; Anonymous 2009; Trivedi 2009; present study
168	Lycosidae	<i>Lycosa mahabaleshwariensis</i> Tikader & Malhotra, 1980	Y		Y							Siliwal et al. 2003a,b; Anonymous 2009; Kumar & Yashkamal 2011
169	Lycosidae	<i>Lycosa mouleimensis</i> Gravely, 1924									Y	Anonymous 2009
170	Lycosidae	<i>Lycosa nigrotibialis</i> Simon, 1884									Y	Anonymous 2009
171	Lycosidae	<i>Lycosa phipsoni</i> Pocock, 1899	Y	Y	Y	Y	Y			Y		Siliwal 2000; Anonymous 2009; present study
172	Lycosidae	<i>Lycosa pictula</i> Pocock, 1901	Y		Y	Y						Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003a,b; Kumar & Shivakumar 2006; Anonymous 2009;
173	Lycosidae	<i>Lycosa poonaensis</i> Tikader & Malhotra, 1980	Y	Y	Y	Y			Y	Y		Patel & Vyas 2001; Siliwal et al. 2003a,b; Anonymous 2009; Kumar & Yashkamal 2011; Bhatt 2014; Solanki 2016; present study
174	Lycosidae	<i>Lycosa prolifica</i> Pocock, 1901	Y						Y			Patel & Vyas 2001; Patel 2003; Anonymous 2009
175	Lycosidae	<i>Lycosa</i> sp.	Y		Y		Y				Y	Siliwal et al. 2003a; Solanki & Kumar 2014; present study
176	Lycosidae	<i>Lycosa tista</i> Tikader, 1970	Y		Y	Y	Y			Y		Siliwal et al. 2003a,b; Anonymous 2009; Trivedi 2009; present study
177	Lycosidae	<i>Lycosa wroughtoni</i> Pocock, 1899		Y							Y	Tikader & Malhotra 1980; Anonymous 2009
178	Lycosidae	<i>Margonia himalayensis</i> (Gravely, 1924)				Y						Patel 1971; Anonymous 2009
179	Lycosidae	<i>Pardosa birmanica</i> Simon, 1884	Y	Y	Y	Y	Y	Y	Y	Y	Y	Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003b; Patel 2003; Kumar & Shivakumar 2006; Anonymous 2009; Trivedi 2009; Kumar & Yashkamal 2011; Solanki & Kumar 2014; Solanki 2016; present study
180	Lycosidae	<i>Pardosa heterophthalma</i> (Simon, 1898)			Y							Siliwal 2000
181	Lycosidae	<i>Pardosa minuta</i> Tikader & Malhotra, 1976			Y							Kumar & Shivakumar 2006
182	Lycosidae	<i>Pardosa mukundi</i> Tikader & Malhotra, 1980			Y	Y						Siliwal 2000; Anonymous 2009; Kumar & Yashkamal 2011; Prajapati et al. 2016c
183	Lycosidae	<i>Pardosa mysorensis</i> (Tikader & Malhotra, 1980)				Y						Prajapati et al. 2016c
184	Lycosidae	<i>Pardosa pseudoannulata</i> (Bösenberg & Strand, 1906)	Y		Y	Y			Y	Y		Patel & Vyas 2001; Patel 2003; Anonymous 2009; Trivedi 2009
185	Lycosidae	<i>Pardosa pusiola</i> (Thorell, 1891)	Y									Siliwal et al. 2003b; Anonymous 2009
186	Lycosidae	<i>Pardosa rhenockensis</i> (Tikader, 1970)	Y			Y						Patel 1971
187	Lycosidae	<i>Pardosa shyamae</i> (Tikader, 1970)			Y	Y						Siliwal et al. 2003a; Anonymous 2009; Bhatt 2014
188	Lycosidae	<i>Pardosa</i> sp.	Y			Y	Y	Y	Y	Y	Y	Present study

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			I	II	III	IV	V	VI	VII	VIII	
189	Lycosidae	<i>Pardosa sumatrana</i> (Thorell, 1890)	Y	Y	Y	Y			Y	Y	Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Kumar & Yashkamal 2011; Bhatt 2014; Solanki & Kumar 2014; Solanki 2016; present study
190	Lycosidae	<i>Pardosa sutherlandi</i> (Gravely, 1924)								Y	Anonymous 2009
191	Lycosidae	<i>Pardosa timidula</i> (Roewer, 1951)				Y					Anonymous 2009
192	Lycosidae	<i>Pardosa tridentis</i> Caporiacco, 1935			Y						Siliwal et al. 2003a
193	Lycosidae	<i>Trochosa</i> sp.			Y					Y	Anonymous 2009
194	Mimetidae	<i>Mimetes</i> sp.		Y	Y	Y	Y		Y	Y	Present study
195	Oecobiidae	<i>Oecobius putus</i> O. Pickard-Cambridge, 1876	Y	Y	Y	Y	Y	Y	Y	Y	Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Bhatt 2014; Solanki 2016; present study
196	Oecobiidae	<i>Uroctea manii</i> Patel, 1987							Y		Patel 1987; Anonymous 2009
197	Oonopidae	<i>Brignolia</i> sp.			Y						Present study; Solanki 2016
198	Oonopidae	<i>Ischnothyreus</i> sp.		Y							Present study
199	Oonopidae	<i>Orchestina</i> sp.			Y						Present study
200	Oonopidae	<i>Triaeris manii</i> Tikader & Malhotra, 1974			Y						Siliwal 2000
201	Oonopidae	<i>Triaeris poonaensis</i> Tikader & Malhotra, 1974			Y	Y					Siliwal 2000; Anonymous 2009; Bhatt 2014
202	Oxyopidae	<i>Hamadruas sikkimensis</i> (Tikader, 1970)			Y						Solanki 2016
203	Oxyopidae	<i>Hamadruas</i> sp.	Y								Present study
204	Oxyopidae	<i>Hamataliwa</i> sp.	Y								Present study
205	Oxyopidae	<i>Oxyopes ashae</i> Gajbe, 1999	Y		Y						Anonymous 2009; Solanki 2016
206	Oxyopidae	<i>Oxyopes bharatae</i> Gajbe, 1999			Y	Y					Solanki 2016; present study
207	Oxyopidae	<i>Oxyopes birmanicus</i> Thorell, 1887	Y		Y						Patel 2003; Anonymous 2009; Solanki 2016; present study
208	Oxyopidae	<i>Oxyopes chitrae</i> Tikader, 1965	Y			Y					Patel 1978; Siliwal et al. 2003b; Anonymous 2009
209	Oxyopidae	<i>Oxyopes gujaratensis</i> Gajbe, 1999			Y				Y		Gajbe 1999; Solanki & Kumar 2014
210	Oxyopidae	<i>Oxyopes javanus</i> Thorell, 1887			Y	Y					Prajapati et al. 2016c
211	Oxyopidae	<i>Oxyopes kamalae</i> Gajbe, 1999	Y								Present study
212	Oxyopidae	<i>Oxyopes pankaji</i> Gajbe & Gajbe, 2000	Y		Y						Solanki 2016; present study
213	Oxyopidae	<i>Oxyopes ratnae</i> Tikader, 1970	Y		Y						Siliwal et al. 2003a,b; Anonymous 2009
214	Oxyopidae	<i>Oxyopes reddyi</i> Majumder, 2004			Y						Solanki 2016
215	Oxyopidae	<i>Oxyopes rufisternis</i> Pocock, 1901			Y						Siliwal et al. 2003a
216	Oxyopidae	<i>Oxyopes rukminiae</i> Gajbe, 1999	Y								Present study
217	Oxyopidae	<i>Oxyopes shweta</i> Tikader, 1970	Y		Y	Y				Y	Siliwal 2000; Siliwal et al. 2003a,b; Kumar & Shivakumar 2006; Anonymous 2009; Trivedi 2009; Kumar & Yashkamal 2011; Bhatt 2014; Solanki & Kumar 2014
218	Oxyopidae	<i>Oxyopes sitae</i> Tikader, 1970	Y		Y	Y			Y		Patel 1971; Patel 1978; Bhatt 2014
219	Oxyopidae	<i>Oxyopes</i> sp.	Y	Y	Y	Y	Y	Y	Y	Y	Solanki & Kumar 2014; Solanki 2016; present study
220	Oxyopidae	<i>Oxyopes sunandae</i> Tikader, 1970				Y					Bhatt 2014
221	Oxyopidae	<i>Oxyopes wroughtoni</i> Pocock, 1901	Y		Y	Y				Y	Patel 1978; Patel & Vyas 2001; Patel 2003; Anonymous 2009

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			I	II	III	IV	V	VI	VII	VIII	
222	Oxyopidae	<i>Peucetia akwadaensis</i> Patel, 1978			Y	Y			Y		Patel 1978; Anonymous 2009; Solanki 2016
223	Oxyopidae	<i>Peucetia latikae</i> Tikader, 1970	Y			Y					Patel 1978; Siliwal 2000; Anonymous 2009; Bhatt 2014;
224	Oxyopidae	<i>Peucetia</i> sp.	Y		Y	Y	Y			Y	Present study
225	Oxyopidae	<i>Peucetia viridana</i> (Stoliczka, 1869)			Y	Y					Siliwal 2000; Siliwal et al. 2003a; Kumar & Shivakumar 2006; Anonymous 2009; Kumar & Yashkamal 2011; Solanki 2016; Prajapati et al. 2016c
226	Oxyopidae	<i>Peucetia yogeshi</i> Gajbe, 1999			Y						Solanki 2016
227	Palpmanidae	<i>Otiotrops namratae</i> Pillai, 2006							Y		Pillai 2006
228	Palpmanidae	<i>Palpimanus</i> sp.								Y	Anonymous 2009
229	Philodromidae	<i>Philodromus assamensis</i> Tikader, 1962			Y						Siliwal 2000; Anonymous 2009; Kumar & Shivakumar 2010
230	Philodromidae	<i>Philodromus bhagirathai</i> Tikader, 1966	Y								Siliwal et al. 2003b; Anonymous 2009
231	Philodromidae	<i>Philodromus chambaensis</i> Tikader, 1980			Y	Y					Present study
232	Philodromidae	<i>Philodromus</i> sp.	Y	Y	Y	Y				Y	Anonymous 2009; present study
233	Philodromidae	<i>Thanatus dhakuricus</i> Tikader, 1960	Y		Y				Y		Siliwal 2000; Siliwal et al. 2003b; Kumar & Shivakumar 2006; Anonymous 2009; Trivedi 2009; Kuma & Yashkamal 2011
234	Philodromidae	<i>Thanatus stripatus</i> Tikader, 1980			Y						Anonymous 2009
235	Philodromidae	<i>Tibellus elongatus</i> Tikader, 1960	Y		Y						Siliwal 2000; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Solanki 2016; present study
236	Philodromidae	<i>Tibellus pashanensis</i> Tikader, 1980	Y							Y	Siliwal 2000; Siliwal et al. 2003b; Anonymous 2009
237	Philodromidae	<i>Tibellus pateli</i> Tikader, 1980	Y		Y						Tikader,1980; Siliwal 2000; Siliwal et al. 2003a,b; Anonymous 2009
238	Philodromidae	<i>Tibellus poonaensis</i> Tikader, 1962	Y							Y	Patel 2003; Anonymous 2009; Trivedi 2009
239	Philodromidae	<i>Tibellus</i> sp.			Y						Solanki & Kumar 2014
240	Pholcidae	<i>Artema atlanta</i> Walckenaer, 1837	Y		Y	Y	Y	Y			Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009
241	Pholcidae	<i>Crossopriza lyoni</i> (Blackwall, 1867)	Y	Y	Y	Y	Y	Y	Y	Y	Siliwal 2000; Patel & Vyas 2001; Patel 2003; Siliwal et al. 2003a; Anonymous 2009; Kumar & Yashkamal 2011; Solanki 2016; Prajapati et al. 2016c; present study
242	Pholcidae	<i>Pholcus fragillimus</i> Strand, 1907			Y	Y	Y				Solanki 2016; present study
243	Pholcidae	<i>Pholcus phalangioides</i> (Fuesslin, 1775)	Y		Y	Y					Patel 1971; Anonymous 2009; Solanki 2016; present study
244	Pholcidae	<i>Pholcus</i> sp.				Y	Y		Y	Y	present study
245	Pisauridae	<i>Dendrolycosa gitae</i> (Tikader, 1970)	Y		Y						Siliwal 2000; Siliwal et al. 2003a,b; Anonymous 2009
246	Pisauridae	<i>Dendrolycosa</i> sp.	Y	Y		Y	Y			Y	Present study
247	Pisauridae	<i>Hygropoda mahendriensis vanhede</i> , Keswani & Rajoria, 2013			Y						Solanki 2016
248	Pisauridae	<i>Pisaura podilensis</i> Patel & Reddy, 1990			Y						Solanki 2016
249	Pisauridae	<i>Pisaura swamii</i> Patel, 1987			Y				Y		Patel 1987; Anonymous 2009;
250	Pisauridae	<i>Tinus</i> sp.			Y						Anonymous 2009
251	Prodidomidae	<i>Prodidomus</i> sp.			Y						Solanki 2016
252	Salticidae	<i>Aelurillus</i> sp.	Y		Y		Y		Y	Y	Solanki 2016; present study
253	Salticidae	<i>Asemonea tenuipes</i> (O. Pickard-Cambridge, 1869)	Y	Y	Y	Y	Y		Y	Y	Siliwal et al. 2003a,b; Anonymous 2009; present study
254	Salticidae	<i>Bianor punjabicus</i> Logunov, 2001	Y			Y					Present study

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255	Salticidae	<i>Bianor</i> sp.	Y		Y						Siliwal et al. 2003a; present study
256	Salticidae	<i>Brettus</i> sp.	Y		Y						Solanki 2016; present study
257	Salticidae	<i>Carrhotus</i> sp.			Y						Present study
258	Salticidae	<i>Chryzilla lauta</i> Thorell, 1887			Y	Y					Solanki 2016; present study
259	Salticidae	<i>Epeus indicus</i> Prószyński, 1992			Y	Y					Solanki 2016; present study
260	Salticidae	<i>Epocilla aurantiaca</i> (Simon, 1885)			Y	Y					Prajapati et al. 2016c
261	Salticidae	<i>Epocilla</i> sp.			Y						Solanki 2016
262	Salticidae	<i>Harmochirus brachiatus</i> (Thorell, 1877)			Y						Siliwal 2000; Anonymous 2009
263	Salticidae	<i>Hasarius adansoni</i> (Audouin, 1826)			Y	Y					Solanki 2016; Prajapati et al. 2016c; present study
264	Salticidae	<i>Hyllus semicupreus</i> (Simon, 1885)	Y		Y	Y	Y	Y	Y	Y	Tikader 1973; Tikader 1974; Siliwal 2000; Siliwal et al. 2003b; Anonymous 2009; Solanki 2016; Prajapati et al. 2016c; present study
265	Salticidae	<i>Langona aperta</i> (Denis, 1958)	Y								Present study
266	Salticidae	<i>Langona bhutanica</i> Prószyński, 1978			Y	Y	Y				Present study
267	Salticidae	<i>Marpissa decorata</i> Tikader, 1974						Y			Patel & Vyas 2001;
268	Salticidae	<i>Marpissa tigrina</i> Tikader, 1965			Y	Y					Patel 1971; Siliwal 2000; Anonymous 2009; Solanki 2016
269	Salticidae	<i>Menemerus bivittatus</i> (Dufour, 1831)	Y	Y	Y	Y	Y	Y	Y	Y	Solanki 2016; Prajapati et al. 2016c; present study
270	Salticidae	<i>Myrmarachne laeta flava</i> Narayan, 1915				Y					Patel 1971
271	Salticidae	<i>Myrmarachne melanocephala</i> MacLeay, 1839			Y	Y					Siliwal 2000; Anonymous 2009; Prajapati et al. 2016c
272	Salticidae	<i>Myrmarachne plataleoides</i> (O. Pickard-Cambridge, 1869)				Y					Prajapati et al. 2016c
273	Salticidae	<i>Myrmarachne prava</i> (Karsch, 1880)	Y		Y	Y					Siliwal 2000; Siliwal et al. 2003a,b; Kumar & Shivakumar 2006; Anonymous 2009
274	Salticidae	<i>Myrmarachne robusta</i> (Peckham & Peckham, 1892)			Y						Siliwal 2000; Siliwal et al. 2003a; Kumar & Shivakumar 2006
275	Salticidae	<i>Myrmarachne</i> sp.		Y		Y	Y		Y	Y	present study
276	Salticidae	<i>Myrmarachne tristis</i> (Simon, 1882)			Y						Solanki 2016
277	Salticidae	<i>Phidippus bengalensis</i> Tikader, 1977	Y			Y					Anonymous 2009; Bhatt 2014
278	Salticidae	<i>Phidippus calcuttaensis</i> Biswas, 1984			Y						Siliwal 2000
279	Salticidae	<i>Phidippus punjabensis</i> Tikader, 1974			Y						Siliwal 2000; Siliwal et al. 2003a; Anonymous 2009; Solanki & Kumar 2014
280	Salticidae	<i>Phintella</i> sp.	Y	Y		Y	Y		Y	Y	Present study
281	Salticidae	<i>Phintella vittata</i> (C. L. Koch, 1846)	Y		Y	Y					Patel 1971; Siliwal 2000; Siliwal et al. 2003a; Anonymous 2009; Kumar & Yashkamal 2011; Solanki 2016; Prajapati et al. 2016c
282	Salticidae	<i>Phlegra dhakuriensis</i> (Tikader, 1974)			Y	Y		Y			Trivedi 2009; Bhatt 2014
283	Salticidae	<i>Plexippus calcuttaensis</i> (Tikader, 1974)			Y						Siliwal 2000
284	Salticidae	<i>Plexippus paykulli</i> (Audouin, 1826)	Y	Y	Y	Y	Y	Y	Y	Y	Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003b; Patel 2003; Anonymous 2009; Trivedi 2009; Kumar & Yashkamal 2011; Bhatt 2014; Solanki & Kumar 2014; Solanki 2016; Prajapati et al. 2016c
285	Salticidae	<i>Plexippus petersi</i> (Karsch, 1878)			Y	Y					Anonymous 2009; Solanki 2016; Prajapati et al. 2016c
286	Salticidae	<i>Portia</i> sp.	Y		Y		Y		Y	Y	Present study; Solanki 2016

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			I	II	III	IV	V	VI	VII	VIII	
287	Salticidae	<i>Ptocasium</i> or <i>Philaeus</i> sp.			Y						Present study
288	Salticidae	<i>Rhene albiger</i> a (C.L. Koch, 1846)	Y	Y	Y		Y		Y	Y	Solanki 2016; present study
289	Salticidae	<i>Rhene khandalaensis</i> Tikader, 1977	Y								Siliwal et al. 2003b; Anonymous 2009
290	Salticidae	<i>Rhene</i> sp.	Y		Y	Y	Y		Y	Y	Siliwal et al. 2003a; present study
291	Salticidae	<i>Stenaelurillus albus</i> Sebastian et al., 2015			Y						Present study
292	Salticidae	<i>Stenaelurillus digitus</i> Prajapati et al., 2016									Prajapati et al. 2016b
293	Salticidae	<i>Stenaelurillus gabrieli</i> Prajapati et al., 2016	Y			Y					Prajapati et al. 2016b
294	Salticidae	<i>Stenaelurillus</i> sp.	Y		Y	Y				Y	Solanki 2016; present study
295	Salticidae	<i>Telamonia dimidiata</i> (Simon, 1899)	Y	Y	Y				Y		Tikader 1974; Siliwal 2000; Siliwal et al. 2003a,b; Kumar & Shivakumar 2006; Anonymous 2009; Trivedi 2009; Solanki 2016; Prajapati et al. 2016c; present study
296	Salticidae	<i>Thyene imperialis</i> (Rossi 1846)			Y	Y	Y		Y		Solanki 2016; Prajapati et al. 2016c; present study
297	Scytodidae	<i>Scytodes thoracica</i> (Latreille, 1802)	Y	Y	Y	Y					Patel 1975; Patel 2003; Siliwal et al. 2003a; Anonymous 2009; Solanki 2016; present study
298	Scytodidae	<i>Scytodes fusca</i> Walckenaer, 1837	Y		Y	Y					Siliwal 2000; Siliwal et al. 2003b; Anonymous 2009; Solanki 2016; present study
299	Scytodidae	<i>Scytodes kinsukus</i> Patel, 1975	Y		Y	Y					Patel 1975; Patel 2003; Anonymous 2009
300	Scytodidae	<i>Scytodes propinqua</i> Stoliczka, 1869			Y						Siliwal 2000
301	Scytodidae	<i>Scytodes univittata</i> Simon, 1882			Y						Siliwal 2000
302	Scytodidae	<i>Scytodes</i> sp.			Y						Siliwal et al. 2003a; present study; Solanki 2016
303	Segestriidae	<i>Ariadna</i> sp.		Y							Present study
304	Selenopidae	<i>Selenops sumitrae</i> Patel & Patel, 1973			Y	Y					Patel & Patel 1973; Anonymous 2009; Bhatt 2014
305	Sicariidae	<i>Loxosceles rufescens</i> (Dufour, 1820)			Y						Solanki 2016
306	Sparassidae	<i>Eusparassus xerxes</i> (Pocock, 1901)		Y							Sethi & Tikader 1988
307	Sparassidae	<i>Heteropoda bhaikakai</i> Patel & Patel, 1973	Y		Y	Y		Y	Y		Patel & Patel 1973; Patel & Vyas 2001; Patel 2003; Siliwal et al. 2003a; Anonymous 2009; Bhatt 2014; Solanki 2016
308	Sparassidae	<i>Heteropoda phasma</i> Simon, 1897	Y			Y					Patel & Patel 1973
309	Sparassidae	<i>Heteropoda sexpunctata</i> Simon, 1885		Y							Sethi & Tikader 1988
310	Sparassidae	<i>Heteropoda venatoria</i> (Linnaeus, 1767)	Y	Y	Y	Y	Y		Y		Bhatt 2014; Solanki 2016; Prajapati et al. 2016c; present study
311	Sparassidae	<i>Olios</i> sp.	Y	Y	Y	Y	Y		Y	Y	Solanki 2016; present study
312	Sparassidae	<i>Olios bhavnagarensis</i> Sethi & Tikader, 1988		Y	Y	Y					Sethi & Tikader 1988; Siliwal et al. 2003a; Anonymous 2009; Solanki 2016; present study
313	Sparassidae	<i>Olios graveleyi</i> Sethi & Tikader, 1988			Y						Siliwal 2000; Siliwal et al. 2003a; Anonymous 2009; Solanki 2016
314	Sparassidae	<i>Olios kiranae</i> sethi & Tikader, 1988						Y			Biswas & Biswas 2007
315	Sparassidae	<i>Olios milleti</i> (Pocock, 1901)	Y	Y		Y	Y		Y	Y	Sethi & Tikader 1988; Solanki 2016; Prajapati et al. 2016c; present study
316	Sparassidae	<i>Olios wroughtoni</i> (Simon, 1897)		Y	Y						Sethi & Tikader 1988; Solanki 2016
317	Sparassidae	<i>Spariolenus tigris</i> Simon, 1880				Y					Present study
318	Stenochilidae	<i>Stenochilus hobsoni</i> O. Pickard-Cambridge, 1871			Y						Solanki 2016

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319	Tetragnathidae	<i>Guizygiella indica</i> (Tikader & Bal, 1980)	Y	Y	Y	Y	Y	Y	Y	Y	Siliwal 2000; Patel 2003; Siliwal et al. 2003a,b; Anonymous 2009; Kumar & Shivakumar 2010; Solanki 2016; present study
320	Tetragnathidae	<i>Guizygiella melanocrania</i> (Thorell, 1887)	Y		Y		Y	Y	Y	Y	Siliwal et al. 2003a,b; Kumar & Yashkamal 2011; Siliwal 2000; Solanki 2016; present study
321	Tetragnathidae	<i>Guizygiella shivui</i> (Patel & Reddy, 1990)	Y		Y	Y	Y	Y		Y	Reddy & Patel 1990; Patel 2003; Solanki 2016; present study
322	Tetragnathidae	<i>Guizygiella</i> sp.			Y						Solanki & Kumar 2014
323	Tetragnathidae	<i>Leucauge celebesiana</i> (Walckenaer, 1841)	Y								Patel 2003; Anonymous 2009
324	Tetragnathidae	<i>Leucauge decorata</i> (Blackwall, 1864)	Y		Y	Y				Y	Tikader 1982; Siliwal 2000; Patel & Vyas 2001; Siliwal et al. 2003b; Patel 2003; Anonymous 2009; Kumar & Yashkamal 2011; Solanki & Kumar 2014; Solanki 2016; Prajapati et al. 2016c; present study
325	Tetragnathidae	<i>Leucauge tessellata</i> (Thorell, 1887)	Y		Y						Siliwal et al. 2003b; Patel 2003; Anonymous 2009;
326	Tetragnathidae	<i>Tetragnatha andamanensis</i> Tikader, 1977			Y						Siliwal et al. 2003a
327	Tetragnathidae	<i>Tetragnatha boydi</i> O. Pickard-Cambridge, 1898	Y						Y		Patel & Vyas 2001; Patel 2003
328	Tetragnathidae	<i>Tetragnatha cambridgei</i> Roewer, 1942	Y								Patel 1971
329	Tetragnathidae	<i>Tetragnatha extensa</i> (Linnaeus, 1758)			Y						Solanki 2016
330	Tetragnathidae	<i>Tetragnatha fletcheri</i> Gravely, 1921	Y						Y		Patel & Vyas 2001; Patel 2003; Anonymous 2009
331	Tetragnathidae	<i>Tetragnatha javana</i> (Thorell, 1890)	Y		Y						Patel 2003; Siliwal et al. 2003a; Anonymous 2009; Kumar & Yashkamal 2011
332	Tetragnathidae	<i>Tetragnatha mandibulata</i> Walckenaer, 1841	Y		Y	Y			Y		Patel & Vyas 2001; Patel 2003; Anonymous 2009; Kumar & Yashkamal 2011; Solanki 2016
333	Tetragnathidae	<i>Tetragnatha maxillosa</i> (Thorell, 1895)	Y	Y	Y	Y			Y		Patel & Vyas 2001; Patel 2003; Anonymous 2009; Solanki 2016; present study
334	Tetragnathidae	<i>Tetragnatha</i> sp.		Y	Y	Y				Y	Present study
335	Tetragnathidae	<i>Tetragnatha sutherlandi</i> Gravely, 1921							Y		Patel & Vyas 2001; Anonymous 2009
336	Tetragnathidae	<i>Tylorida striata</i> (Thorell, 1877)				Y					Patel 1971
337	Tetragnathidae	<i>Tylorida ventralis</i> (Thorell, 1877)			Y						Solanki 2016
338	Theraphosidae	<i>Chilobrachy</i> sp.	Y								Anonymous 2009; Parasharya et al. 2011
339	Theraphosidae	<i>Plesiophrictus millardi</i> Pocock, 1899	Y								Parasharya et al. 2011
340	Theraphosidae	<i>Plesiophrictus</i> sp.	Y								Anonymous 2009
341	Theraphosidae	<i>Poecilotheria regalis</i> Pocock, 1899	Y								Parasharya et al. 2011
342	Theridiidae	<i>Achaearanea budana</i> Tikader, 1970			Y						Siliwal 2000; Siliwal et al. 2003a; Anonymous 2009
343	Theridiidae	<i>Achaearanea durgae</i> Tikader, 1970			Y		Y				Siliwal 2000
344	Theridiidae	<i>Argyrodes ambalika</i> Tikader, 1970	Y		Y						Siliwal 2000; Siliwal et al. 2003a,b; Anonymous 2009; Kumar & Yashkamal 2011
345	Theridiidae	<i>Argyrodes argentatus</i> O. Pickard-Cambridge, 1880			Y						Solanki 2016
346	Theridiidae	<i>Argyrodes cyrtophorae</i> Tikader, 1963	Y								Patel 1973
347	Theridiidae	<i>Argyrodes dipali</i> Tikader, 1963	Y		Y	Y					Patel 1973; Patel 2003; Anonymous 2009; present study
348	Theridiidae	<i>Argyrodes flavescens</i> O. Pickard-Cambridge, 1880	Y		Y	Y			Y		Siliwal 2000; Patel 2003; Kumar & Shivakumar 2010; Bhatt 2014; Solanki 2016; present study
349	Theridiidae	<i>Argyrodes gazedes</i> Tikader, 1970	Y		Y	Y					Patel 1973; Siliwal 2000; Patel 2003; Siliwal et al. 2003a; Anonymous 2009; Kumar & Yashkamal 2011
350	Theridiidae	<i>Argyrodes gazingensis</i> Tikader, 1970	Y								Patel 2003; Anonymous 2009

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351	Theridiidae	<i>Argyrodes jamkhedes</i> Tikader, 1963	Y		Y						Patel 1973; Patel 2003; Anonymous 2009; present study
352	Theridiidae	<i>Argyrodes miniaceus</i> (Doleschall, 1857)	Y		Y	Y					Patel 2003; Kumar & Shivakumar 2010; Bhatt 2014; Solanki 2016
353	Theridiidae	<i>Argyrodes projeles</i> Tikader, 1970			Y						Siliwal 2000; Siliwal et al. 2003a; Anonymous 2009
354	Theridiidae	<i>Argyrodes</i> sp.			Y	Y					Solanki & Kumar 2014
355	Theridiidae	<i>Cephalobares globiceps</i> O. Pickard-Cambridge, 1870	Y		Y		Y		Y		Solanki 2016; present study
356	Theridiidae	<i>Chryso sikkimensis</i> (Tikader, 1970)	Y								Siliwal et al. 2003b
357	Theridiidae	<i>Chryso</i> sp.	Y		Y			Y			Patel & Vyas 2001; Patel 2003
358	Theridiidae	<i>Coleosoma blandum</i> O. Pickard- Cambridge, 1882			Y						Solanki 2016
359	Theridiidae	<i>Cylognatha surajbe</i> Patel & Patel, 1972	Y		Y	Y		Y			Patel & Patel 1972; Tikader 1972; Patel & Vyas 2001; Anonymous 2009
360	Theridiidae	<i>Euryopsis</i> sp.			Y						Solanki 2016
361	Theridiidae	<i>Faiditus</i> sp.	Y								Siliwal et al. 2003b
362	Theridiidae	<i>Faiditus spinosus</i> (Keyserling, 1884)	Y								Anonymous 2009
363	Theridiidae	<i>Faiditus xiphias</i> (Thorell, 1887)			Y			Y			Siliwal 2000; Patel & Vyas 2001
364	Theridiidae	<i>Latrodectus hasseltii</i> Thorell, 1870			Y			Y	Y		Patel 1973; Siliwal 2000; Patel & Vyas 2001; Siliwal & Kumar 2001; Anonymous 2009; Solanki 2016
365	Theridiidae	<i>Meotipa picturata</i> Simon, 1895		Y	Y	Y					Solanki 2016; present study
366	Theridiidae	<i>Nihonhimea mundula</i> (L. Koch, 1872)			Y	Y					Solanki 2016; Prajapati et al. 2016c; present study
367	Theridiidae	<i>Parasteatoda</i> sp.	Y	Y		Y	Y		Y	Y	Present study
368	Theridiidae	<i>Rhomphaea projiciens</i> (O. Pickard-Cambridge, 1896)	Y		Y	Y		Y	Y		Patel 1973; Patel 2003; Anonymous 2009; Kumar & Yashkamal 2011; Solanki 2016; present study
369	Theridiidae	<i>Theridion</i> sp.						Y			Trivedi 2009; Solanki & Kumar 2014
370	Theridiidae	<i>Theridion manjithar</i> Tikader, 1970	Y		Y	Y					Patel 1973; Siliwal 2000; Siliwal et al. 2003a; Anonymous 2009; Kumar & Yashkamal 2011
371	Theridiidae	<i>Theridion tikaderi</i> Patel, 1973	Y		Y				Y		Patel, 1973; Patel & Vyas 2001; Patel 2003; Anonymous 2009
372	Theridiidae	<i>Thwaitesia dangensis</i> Patel & Patel, 1972	Y								Patel & Patel 1972
373	Thomisidae	<i>Amyciaea forticeps</i> (O. Pickard-Cambridge, 1873)	Y		Y						Siliwal et al. 2003b; Patel 2003; Solanki 2016
374	Thomisidae	<i>Camaricus khandalaensis</i> Tikader, 1980	Y		Y	Y	Y		Y		Siliwal et al. 2003b; Anonymous 2009; present study
375	Thomisidae	<i>Indoxysticus minutus</i> (Tikader, 1960)	Y		Y	Y	Y		Y		Patel 1971; Siliwal et al. 2003a,b; Anonymous 2009; Kumar & Yashkamal 2011; Solanki & Kumar 2014; Solanki 2016; Prajapati et al. 2016c; present study
376	Thomisidae	<i>Misumena maronica</i> Caporiacco, 1954	Y								Patel 2003
377	Thomisidae	<i>Monaeses mukundi</i> Tikader, 1980	Y								Patel 2003; Anonymous 2009
378	Thomisidae	<i>Monaeses parvati</i> Tikader, 1963	Y			Y					Patel 1971; Siliwal 2000; Siliwal et al. 2003a,b; Anonymous 2009
379	Thomisidae	<i>Oxytate elongata</i> (Tikader, 1980)	Y								Siliwal et al. 2003b; Patel 2003; Anonymous 2009; Prajapati et al. 2016c
380	Thomisidae	<i>Ozyptila maratha</i> Tikader, 1971	Y			Y					Patel 1971; Anonymous 2009
381	Thomisidae	<i>Runcinia ghorpadei</i> Tikader, 1980	Y			Y					Siliwal et al. 2003b; Anonymous 2009; present study
382	Thomisidae	<i>Runcinia insecta</i> (L. Koch, 1875)	Y		Y	Y					Patel 1971; Siliwal 2000; Siliwal et al. 2003b; Kumar & Shivakumar 2006; Anonymous 2009; Solanki 2016; Prajapati et al. 2016c
383	Thomisidae	<i>Runcinia roonwali</i> Tikader, 1965		Y		Y			Y	Y	Present study

	Family	Species	Zones								References
			I	II	III	IV	V	VI	VII	VIII	
384	Thomisidae	<i>Synema decoratum</i> Tikader, 1960	Y	Y	Y	Y	Y		Y	Y	present study
385	Thomisidae	<i>Thomisus andamanensis</i> Tikader, 1980							Y		Trivedi 2009
386	Thomisidae	<i>Thomisus bulani</i> Tikader, 1960	Y		Y						Siliwal et al. 2003a; Patel 2003
387	Thomisidae	<i>Thomisus dhakuriensis</i> Tikader, 1960			Y						Kumar & Shivakumar 2006
388	Thomisidae	<i>Thomisus elongatus</i> Stoliczka, 1869	Y		Y						Siliwal et al. 2003b; Solanki 2016
389	Thomisidae	<i>Thomisus krishnae</i> Reddy & Patel, 1992	Y		Y						Siliwal 2000; Patel 2003; Siliwal et al. 2003a; Kumar & Yashkamal 2011
390	Thomisidae	<i>Thomisus projectus</i> Tikader, 1960	Y		Y	Y			Y		Patel 2003; Anonymous 2009; Trivedi 2009
391	Thomisidae	<i>Thomisus pugilis</i> Stoliczka, 1869	Y								Siliwal 2000; Siliwal et al. 2003b; Anonymous 2009; Solanki & Kumar 2014; Prajapati et al. 2016c
392	Thomisidae	<i>Thomisus shivajiensis</i> Tikader, 1965	Y		Y	Y					Siliwal 2000; Siliwal et al. 2003a,b; Anonymous 2009; Solanki & Kumar 2014
393	Thomisidae	<i>Thomisus</i> sp.	Y	Y		Y	Y		Y	Y	Solanki & Kumar 2014; Solanki 2016; present study
394	Thomisidae	<i>Tmarus kotigeharus</i> Tikader, 1963	Y		Y	Y	Y		Y		Patel 2003; Anonymous 2009; present study
395	Thomisidae	<i>Tmarus</i> sp.	Y								Siliwal 2000; Siliwal et al. 2003b; Patel 2003
396	Thomisidae	<i>Xysticus</i> sp.			Y						Solanki & Kumar 2014
397	Titanoecidae	<i>Pandava laminata</i> (Thorell, 1878)			Y						Solanki 2016
398	Titanoecidae	<i>Pandava nathabhahi</i> (Patel & Patel, 1975)				Y					Patel & Patel 1975; Anonymous 2009
399	Trachelidae	<i>Trachelasp.</i>			Y						Solanki 2016
400	Uloboridae	<i>Miagrammopes</i> sp.	Y			Y	Y		Y		Anonymous 2009; Solanki 2016; present study
401	Uloboridae	<i>Philoponella</i> sp.	Y	Y	Y	Y			Y	Y	Present study
402	Uloboridae	<i>Uloborus danolius</i> Tikader, 1969	Y		Y				Y		Patel & Vyas 2001; Siliwal et al. 2003a,b; Patel 2003; Anonymous 2009; Solanki 2016
403	Uloboridae	<i>Uloborus khasiensis</i> Tikader, 1969	Y		Y	Y	Y		Y	Y	Patel 2003; Anonymous 2009; Solanki 2016; present study
404	Uloboridae	<i>Uloborus krishnae</i> Tikader, 1970	Y		Y	Y	Y	Y	Y	Y	Tikader 1977; Siliwal 2000; Patel 2003; Siliwal 2003a; Anonymous 2009; present study
405	Uloboridae	<i>Uloborus plumipes</i> Lucas, 1846			Y						Prajapati et al. 2016c
406	Uloboriidae	<i>Uloborus danolius</i> Tikader, 1969	Y	Y	Y	Y	Y		Y	Y	Patel 1971; Siliwal 2000; present study
407	Uloboriidae	<i>Uloborus</i> sp.	Y		Y	Y			Y		Patel & Vyas 2001; Siliwal 2002; Patel 2003; Siliwal et al. 2003b; Bhatt 2014; Solanki 2016
408	Uloboriidae	<i>Zosis geniculata</i> (Olivier, 1789)			Y						Solanki 2016
409	Zodaridae	<i>Asceua</i> sp.			Y	Y					Present study
410	Zodaridae	<i>Lutica</i> sp.	Y		Y		Y		Y		Present study
411	Zodaridae	<i>Mallinella</i> sp.			Y	Y					Present study
412	Zodaridae	<i>Storena gujaratensis</i> Tikader & Patel, 1975			Y	Y					Tikader & Patel 1975; Anonymous 2009; Solanki 2016
413	Zodaridae	<i>Storena indica</i> Tikader & Patel, 1975			Y	Y					Tikader & Patel 1975; Anonymous 2009;
414	Zodaridae	<i>Storena</i> sp.			Y						Present study; Solanki 2016
415	Zodaridae	<i>Tropizodium viridurbium</i> Prajapati et al., 2016				Y					Prajapati et al. 2016a



Image 1. *Argiope anasuja* Thorell, 1887



Image 2. *Cyrtophora cicatrosa* (Stoliczka, 1869)



Image 3. *Eriovixia excelsa* (Simon, 1889)



Image 4. *Neoscona mukerjei* Tikader, 1980



Image 5. *Thelacantha brevispina* (Doleschall, 1857)



Image 6. *Pritha daramkumarsinhji* Patel, 1978



Image 7. *Hersilia savignyi* Lucas, 1836



Image 8. *Idiops* sp.



Image 9. *Pardosa birmanica* Simon, 1884



Image 10. *Brignolia* sp.



Image 11. *Oxyopes bhartae* Gajbe, 1999



Image 12. *Palpimanus* sp.



Image 13. *Crossopriza lyoni* (Blackwall, 1867)



Image 14. *Pholcus phalangioides* (Fuesslin, 1775)



Image 15. *Ariadna* sp.



Image 16. *Heteropoda venatoria* (Linnaeus, 1767)



Image 17. *Olios milleti* (Pocock, 1901)



Image 18. *Spariolenus tigris* Simon, 1880



Image 19. *Guizygiella melanocrania* (Thorell, 1887)



Image 20. *Leucauge decorata* (Blackwall, 1864)



Image 22. *Asceua* sp.



Image 21. *Nihonhimea mundula* (L. Koch, 1872)

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