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Faunal diversity of Theridiidae (Araneomorphae: Araneae: Arachnida) in India: An updated checklist

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Abstract: Faunal biodiversity of the comb-footed spiders (Theridiidae: Araneomorphae: Araneae: Arachnida) in different states of India and union territories is presented herewith. A total of 138 species placed under 42 genera of Theridiidae were recorded in all states and union territories of India except for Chhattisgarh, Jharkhand, Nagaland, and Punjab and two union territories, Dadra and Nagar Haveli and Daman and Diu, and Lakshadweep, out of which 45 species (32.6%) were strictly endemic. However, among them, 14 species seem to be case of erroneous report or misidentification. The maximum number of species (53 species) were recorded in Maharashtra followed by 51 from Kerala, 39 species from Gujarat, 33 species from Karnataka, 29 species from Tamil Nadu, 27 species from Jammu and Kashmir, 20 species from Uttarakhand, 17 species from West Bengal, 16 species from Assam, 15 species from Uttar Pradesh, 12 species each from Goa and Odisha, 11 species from Andaman and Nicobar Islands, 10 species each from Puducherry, Rajasthan and less than 10 species are recorded from other states. Four species are considerably widely distributed (in 10 or more states and union territories), viz. *Chryso angula* (Tikader, 1970), *Nesticodes rufipes* (Lucas, 1846), *Nihonhimea mundula* (L. Koch, 1872), and *Argyrodes argentatus* O. Pickard-Cambridge, 1880. Several species of Theridiidae reported from India are recorded only from one state or from the type locality. Hence, extensive faunistic surveys for these spiders are required throughout the country.

Keywords: Theridiidae, checklist, faunal distribution, comb-footed spiders, cobweb spiders, tangle-web spiders, India

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Introduction

Spider is the common name of the members belonging to the order Araneae (Arthropoda: Chelicerata: Arachnida). They are among the most common and abundant entomophagous in terrestrial ecosystems throughout the world. Their biology, prey capture techniques, silk production and web construction and ecology highly varied among families. They not only consume approximately 400-800 million tons of preys globally per year but also serve as a food source for several carnivore animals (Nyffeler

and Birkhofer, 2017). At present, 49,489 species of spiders are globally known which are placed in 4,217 genera and grouped into 129 families (WSC, 2021). Despite recent researches on the faunistic biodiversity surveys of spiders in India, their number is not enough as compared to the other parts of the world. India has a very rich biodiversity, a tropical climate with biodiversity hotspots, and the manpower to conduct biodiversity surveys, but the best account so far lists only 1,867 species belonging to 475 genera (Caleb and Sankaran, 2021). Recently, the

species distribution and checklist of 63 families of spiders have been updated in India (Singh, 2021a, b, c; Singh & Singh, 2021a, b; Singh *et al.*, 2021; Tiwari *et al.*, 2021a, b).

Theridiidae Sundevall, 1833 is one of the families of spiders which is globally distributed but is most diverse in the tropics. These spiders are commonly known as the cobweb spiders, tangle-web spiders and comb-footed spiders and are presently the fifth largest family with 2526 known species in 124 genera (Salticidae - 6346 species, Lynphiidae - 4694 species, Araneidae - 3065 species, Gnaphosidae - 2562 species) (WSC, 2021). These are araneomorph, entelegyne (females have a genital plate), and ecribellate (spin sticky seizure silk) spiders varying in size (female: 7-16 mm, male: 3-5 mm), eight eyes are arranged in two rows with four median eyes and two pairs of lateral eyes (cave-dwelling species are blind), and have first legs usually longest, third legs shortest with a comb of serrated bristles on the tarsus of the fourth leg which is used to throw sticky silk over the prey to wrap that delays direct contact with prey until it is safely immobilized (Vanuytven, 2021). The sticky silk is secreted by large, specially modified silk spigots that are uniquely elongate. The abdomen is usually round and rarely elongate. Most of these spiders produce sound by stridulatory organ, often more strongly developed in males, where elevated setal bases on the front of the abdomen rub against ridges on the back of the carapace. The sound is used during courtship display in species recognition (Gwinner-Hanke, 1970). The web of these spiders are highly variable but typically consist of a three-dimensional mesh with gumfoot lines which are under tension and decorated with sticky droplets, however, in some theridiid these are absent (Agnarsson, 2004). Most of the time, cobweb spiders are found hanging upside down in the middle of the web. The family includes model species such as medically important (Clarke *et al.*, 2014) and cannibalistic widow spiders, *Latrodectus* Walckenaer, 1805

(Andrade, 1996); socially important *Anelosimus* Simon, 1891 (Avilés, 1997) and *Theridion* Walckenaer, 1805 (Avilés *et al.*, 2006); colour polymorphic the Hawaiian happyface spider, *Theridion grallator* Simon, 1900 (Oxford and Gillespie, 1996); sexual cannibalistic redback spider, *Latrodectus hasselti* Thorell, 1870 (Andrade, 1996); silk biomechanics (Blackledge *et al.*, 2005); and *Parasteatoda tepidariorum* (C.L. Koch, 1841), in evolutionary development (Posnien *et al.*, 2014). Few species of Theridiidae are kleptoparasites, e.g. *Argyrodes* Simon, 1864 and *Faiditus* Keyserling, 1884 that live in large webs of other spiders and steal small prey captured by their hosts, feed preys killed by the host spider, and may consume silk from the host web, as well as attack and eat the host itself (Agnarsson, 2003); myrmecophagous (Carico, 1978); and have extraordinary sexual behaviour (Knoflach and van-Harten, 2001). The phylogeny of Theridiidae was provided by Agnarsson (2004) and Liu *et al.* (2016) based on molecular and morphological data. Very recently, Vanuytven (2021) provided a morphological key to identify all known genera of Theridiidae.

Information regarding the Indian Theridiidae is insufficient and highly incoherent primarily due to the unexplored diversity of these spiders in several parts of the country like other families of spiders (Singh, 2021a, b). There are several species of these spiders yet to be described and several species recorded from India have also been misidentified as they are said to be identified by using existing old literature without a re-examination of the corresponding types and without consulting any spider taxonomist. Hence, these reports need re-examination. At present the faunal survey results of comb-footed spiders are all scattered in the literature and so far no updated consolidated account is available regarding their distribution pattern across the country. Therefore, this present work was carried out to make available an up-to-date checklist of Indian

Theridiidae in different states and union territories of India.

Materials and Methods

This checklist is based on the literature published in recent past books, journals and few authentic theses, websites, and World Species Catalog up to May 20, 2021. Some references to the faunistic surveys were omitted because of repetition. In most of the literature published earlier, several errors crept in the scientific names of the spiders even in the recent ones. This occurred because such informations soon become obsolete and, due to their perceived understanding, readers occasionally do not take into account new sources of data. Additionally, the researches on spider taxonomy are continued with the description of new taxa, their modified status, and the publication of other nomenclatural decisions (WSC, 2021; Singh, 2021a, b). If a spider species is identified only up to a generic level, it was considered as species if no other species of that genus is reported within the state. In the present checklist, attempts have been made to correct the errors in the scientific names of the spiders following the World Spider Catalog (WSC, 2021). Only those synonymies were mentioned that were reported in India. All the endemic species are marked with (*). Only those species were considered endemic that were exclusively found only in India. If the spider species is not endemic, its elsewhere distribution is also provided following the WSC (2021) and other sources of literature. Seemingly, misidentified and erroneous records are marked with (†).

Results and Discussion

In India, probably Westwood (1835) was first to describe the first comb-footed spider, *Phoroncidia aculeata* from Malabar (Kerala). After five decades, O. Pickard-Cambridge (1885) described two species, *Euryopsis sagittata* and *Theridion expallidatum* from Jammu and Kashmir (Murree to Sind Valley) and not from Yarkand (China) as mentioned in WSC (2021).

After four years, Simon (1889) described two species of the comb-footed spiders, *Euryopsis nubila* from Puducherry and *Theridion subvittatum* from Uttarakhand. Thereafter, again O. Pickard-Cambridge (1892) described one more species, *Ariamnes simulans* from West Bengal, Simon (1895) described *Tomoxena dives* from Tamil Nadu and Simon (1897) again described one more species, *Steatoda alboclatherata* from Maharashtra.

At the beginning of the 20th century, Leardi in Airaghi (1901) described one species of comb-footed spider, *Ariamnes pavesii* from Puducherry and Simon (1905) described five species of these spiders from Tamil Nadu, viz. *Moneta grandis*, *Phoroncidia maindroni*, *Theridion leucophaeum*, *Theridion maindroni* and *Theridion nilgherinum*. After two decades, Caporiacco (1934, 1935) described three species of comb-footed spiders from Jammu and Kashmir during his Karakorum mission. Among the Indian authors, Bhattacharya (1935) was the first to describe a comb-footed spider species *Propostira ranii* from West Bengal. Later, Tikader (1963, 1970, 1977) described fourteen more species of comb-footed spiders, four species from Maharashtra (*Argyrodes cyrtophorae* Tikader, 1963; *Argyrodes dipali* Tikader, 1963; *Argyrodes gouri* Tikader, 1963; *Argyrodes jamkhedes* Tikader, 1963); nine species from Sikkim (*Chryso angula* (Tikader, 1970); *Chryso urbasae* (Tikader, 1970); *Achaeearanea budana* Tikader, 1970; *Achaeearanea durgae* Tikader, 1970; *Argyrodes ambalikaie* Tikader, 1970; *Argyrodes gazedes* Tikader, 1970; *Argyrodes gazingensis* Tikader, 1970; *Argyrodes projeles* Tikader, 1970; *Theridion manjithar* Tikader, 1970); and one species from West Bengal (*Nihonhimea indica* (Tikader, 1977)). Later on, only one species was described in this century, i.e. *Theridion sadani* by Monga and Singh (1989) from Jammu and Kashmir. In the present century, eight species of Theridiidae were described from India, one species each from

Assam (*Meotipa ultapani* Basumatary and Brahma, 2019), Gujarat (*Meotipa sahyadri* Kulkarni *et al.*, 2017), Himachal Pradesh (*Episinus pentagonalis* Chakrabarti, 2013), Karnataka (*Meotipa multuma* Murthappa *et al.*, 2017), Kerala (*Achaearana triangularis* (Patel, 2005)); Maharashtra (*Stemmops satpudaensis* Rajoria, 2015) and Odisha (*Theridion odisha* Prasad *et al.*, 2019).

At present, 138 species belonging to 42 genera were described or recorded from India during the last 157 years (1835-2021), out of which, 45 species (32.6%) were strictly endemic, i.e. described and recorded only in India while few more species were described from India but also recorded in neighbouring countries. However, the Indian record is only 5.5% of the world Theridiidae fauna (2526 species placed in 124 genera (WSC, 2021)). All these spiders were distributed in all the Indian states except Chhattisgarh, Jharkhand, Nagaland, and Punjab and two union territories, Dadra and Nagar Haveli and Daman and Diu, and Lakshadweep (Fig. 1). Fourteen species marked with (†) seem to be an erroneous report or the case of misidentification. Three species of comb-footed spiders described/ recorded in India are considered nomina dubia (WSC, 2021): *Euryopsis brevis* (Pickard-Cambridge, 1870) from Puducherry (Simon, 1905), *Steatoda dhruvai* Patel *et al.*, 1987 from Gujarat (Patel *et al.*, 1987; Patel and Pillai, 1988) and *Theridion piligerum* Frauenfeld, 1867 from Andaman and Nicobar Islands (Frauenfeld 1867; Monga and Singh, 1989). Caleb and Sankaran (2021) recently enlisted only 85 species of Theridiidae described under 32 genera and the rest of the species recorded in India are either overlooked by them or are cases of misidentification and erroneous reports. Two genera of comb-footed spiders are highly speciose, *Argyrodes* Simon, 1864 (22 species) and *Theridion* Walckenaer, 1805 (21 species). A maximum of 53 species of these comb-footed spiders was recorded from each of Maharashtra and Kerala, 40 species from

Gujarat, 34 species from Karnataka, 31 species from Jammu & Kashmir, 30 species from Tamil Nadu, 19 species from Uttarakhand, 17 species from West Bengal, 16 species from Assam, 15 species from Uttar Pradesh, 12 species each from Goa and Odisha, 10 species each from Andaman and Nicobar Islands and Rajasthan and less than 10 species are recorded from other states (Fig. 1). No species of comb-footed spider is recorded from Chhattisgarh, Jharkhand, Nagaland, and Punjab and two union territories,

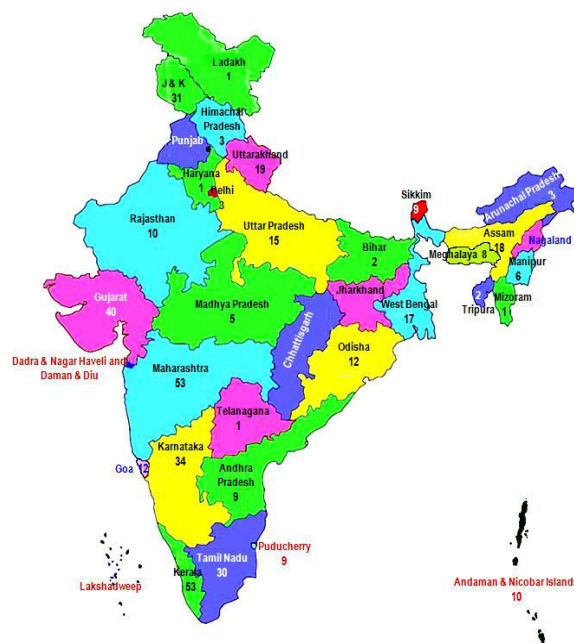


Fig. 1: Number of species of the spider family Theridiidae (in Indian states and union territories).

Dadra and Nagar Haveli and Daman and Diu, and Lakshadweep. Indeed, no survey was conducted in these regions and need an extensive faunistic survey in these areas. Out of 138 species of Theridiidae recorded from India, 4 species are considerably widely distributed (in 10 or more states and union territories), viz. *Chryso angula* (Tikader, 1970) (12 states), *Nesticodes rufipes* (Lucas, 1846) (8 states and 3 union territories), *Nihonhimea mundula* (L. Koch, 1872) (10 states, 1 union territory), and *Argyrodes argentatus* O. Pickard-Cambridge, 1880 (10 states). Several species of Theridiidae reported from India are recorded only from one state or from the type

locality. Hence, extensive faunistic surveys for these spiders are required throughout the country. Following is the detailed list of these spiders distributed in Indian states and union territories and elsewhere:

I. Checklist of comb-footed spiders (Theridiidae) in Indian States and Union Territories

1. *Achaearanea budana* Tikader, 1970*

- Assam (Roy *et al.*, 2017)
- Gujarat (Siliwal *et al.*, 2003a; Yadav *et al.*, 2017)
- Ladakh (Uniyal, 2006)
- Meghalaya (Roy *et al.*, 2017)
- Sikkim (Tikader, 1970)
- Uttar Pradesh (Hore and Uniyal, 2008a, b)
- West Bengal (Roy *et al.*, 2017)

2. *Achaearanea diglipuriensis* Tikader, 1977*

- Andaman and Nicobar Islands (Tikader, 1977a)
- Kerala (Sunil Jose *et al.*, 2008)

3. *Achaearanea durgae* Tikader, 1970*

- Goa (Pandit and Pai, 2017)
- Gujarat (Parmar *et al.*, 2015; Yadav *et al.*, 2017)
- Kerala (Sebastian *et al.*, 2005a; Sunil Jose *et al.*, 2008; Ambily and Antony, 2016; Asalatha *et al.*, 2017; Sumesh and Sudhikumar, 2020)
- Maharashtra (Lanka *et al.*, 2017)
- Sikkim (Tikader, 1970; Biswas and Biswas, 1992)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Biswas and Biswas, 1992)

4. *Achaearanea triangularis* (Patel, 2005)*

Syn. *Achaearanea globosa* Patel, 2003)

- Assam (Singh *et al.*, 2013; Das *et al.*, 2015)
- Gujarat (Parmar, 2018)
- Karnataka (Prashanthakumara and Venkateshwarlu, 2017; Kokilamani *et al.*, 2019)
- Kerala (Patel, 2003a; Sebastian *et al.*, 2005a; Sunil Jose *et al.*, 2008; Mathew *et al.*, 2014; John and Tom, 2018)
- Maharashtra (Rithe, 2012; More and Sawant, 2013)
- Rajasthan (Kumari *et al.*, 2017)

- Uttar Pradesh (Hore and Uniyal, 2008a, b)
- Uttarakhand (Gupta and Siliwal, 2012)

5. *Achaearanea* sp.

- Assam (Singh *et al.*, 2013; Das *et al.*, 2015)
- Karnataka (Prashanthakumara and Venkateshwarlu, 2017; Mubeen and Basavarajappa, 2018; Kokilamani *et al.*, 2019)
- Kerala (Sebastian *et al.*, 2005a; Sunil Jose *et al.*, 2008; Mathew *et al.*, 2014; John and Tom, 2018)
- Odisha (Siliwal *et al.*, 2008)
- Rajasthan (Kumari *et al.*, 2017)
- Uttar Pradesh (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- Uttarakhand (Gupta and Siliwal, 2012)

5. *Anelosimus exiguus* Yoshida, 1986†

- Maharashtra (Bhuvad *et al.*, 2011)
- Elsewhere: China, Japan, Ryukyu Is.

6. *Anelosimus* sp.

- Jammu and Kashmir (Punjoo and Bhat, 2015)

7. *Argyrodes ambalika* Tikader, 1970*

- Gujarat (Siliwal *et al.*, 2003a, b)
- Karnataka (Bhat *et al.*, 2013)
- Kerala (Sunil Jose *et al.*, 2008; Sumesh and Sudhikumar, 2020; Vineetha & George, 2021)
- Maharashtra (Meshram, 2011)
- Sikkim (Tikader, 1970; Sen *et al.*, 2015)
- West Bengal (Sen *et al.*, 2015)

8. *Argyrodes amboinensis* Thorell, 1878†

- Kerala (Sumesh and Sudhikumar, 2020)
- Elsewhere: Indonesia, New Caledonia, New Guinea

9. *Argyrodes antipodianus* O. Pickard-Cambridge, 1880†

- Gujarat (Thumar, 2019)
- Elsewhere: Australia, New Caledonia, New Zealand

10. *Argyrodes argentatus* O. Pickard-Cambridge, 1880

- Andhra Pradesh (Javed *et al.*, 2010)
- Assam (Singh *et al.*, 2012)
- Gujarat (Solanki and Kumar, 2015; Chandra *et al.*, 2021)
- Karnataka (Bhat *et al.*, 2013)
- Kerala (Adarsh and Nameer, 2016; Joseph *et al.*, 2017)

- Maharashtra (Kelkar *et al.*, 2006; Rithe, 2012; Maheshwari *et al.*, 2018)
 - Manipur (Kananbala *et al.*, 2018)
 - Odisha (Gravely, 1921)
 - Tamil Nadu (Sherriffs, 1919; Kapoor, 2008; Caleb, 2020a, b)
 - Uttarakhand (Siddhu *et al.*, 2020)
- Elsewhere: Central America, China, Indonesia, New Guinea
- 11. *Argyroides argyroides* (Walckenaer, 1837)**
Syn. *Argyroides epeirae* Simon, 1866; *Argyroides gibbosus* Simon, 1873
- Puducherry (Learidi in Airaghi, 1901)
 - Tamil Nadu (Sherriffs, 1927)
- Elsewhere: Algeria, Canada, Ecuador, Egypt, France, Hawaii, Israel, New Guinea, Peru, Portugal, Réunion, Seychelle islands, Turkey
- 12. *Argyroides bonadea* (Karsch, 1881)**
- Delhi (Malik *et al.*, 2015)
 - Karnataka (Abhijith, 2019)
 - Kerala (Asalatha *et al.*, 2017; Joseph *et al.*, 2017)
 - Maharashtra (Bhuvad *et al.*, 2011)
- Elsewhere: China, Korea, Japan, Philippines, Taiwan
- 13. *Argyroides chiriatapuensis* Tikader, 1977***
- Andaman and Nicobar Islands (Tikader, 1977a)
 - Maharashtra (Rithe, 2012)
- 14. *Argyroides cyrtophorae* Tikader, 1963***
Syn. *Argyroides cyrtophore* Tikader, 1963
- Gujarat (Patel, 1973; Yadav *et al.*, 2017)
 - Karnataka (Nautiyal *et al.*, 2017)
 - Maharashtra (Tikader, 1963)
 - Uttar Pradesh (Hore and Uniyal, 2008a, b)
- 15. *Argyroides dipali* Tikader, 1963***
- Gujarat (Patel, 1973, 2003b; Parasharya and Pathan, 2013; Yadav *et al.*, 2017)
 - Maharashtra (Tikader, 1963; Rithe, 2012)
- 16. *Argyroides fissifrons* O. Pickard-Cambridge, 1869**
Syn. *Argyroides procrastinans* O. Pickard-Cambridge, 1880
- Kerala (Vineetha & George, 2021)
 - Maharashtra (Sherriffs, 1927; Nerlekar *et al.*, 2016)
 - Tamil Nadu (Kapoor, 2008)
 - Uttar Pradesh (Hore and Uniyal, 2008a, b)
- Elsewhere: Australia, China, Indonesia, Japan, Sri Lanka, Papua New Guinea,
- 17. *Argyroides fissifrons terressae* Thorell, 1891***
- Andaman and Nicobar Islands (Thorell, 1891)
- 18. *Argyroides flavescens* O. Pickard-Cambridge, 1880**
- Andhra Pradesh (Javed *et al.*, 2010)
 - Assam (Singh *et al.*, 2012; Gupta *et al.*, 2015)
 - Goa (Pandit and Dharwadkar, 2020)
 - Gujarat (Patel, 2003b; Parmar *et al.*, 2015; Yadav *et al.*, 2017)
 - Kerala (Sebastian *et al.*, 2011; Jose *et al.*, 2018; Sumesh and Sudhikumar, 2020)
 - Tamil Nadu (Kapoor, 2008; Kadam & Rajkumar, 2020)
- Elsewhere: China, Japan, Korea, Malaysia, New Guinea, Sri Lanka
- 19. *Argyroides gazedes* Tikader, 1970***
- Assam (Singh *et al.*, 2012; Roy *et al.*, 2017)
 - Gujarat (Patel, 1973, 2003b; Siliwal *et al.*, 2003a; Kumar and Yashkamal, 2011)
 - Karnataka (Bhat *et al.*, 2013)
 - Kerala (Sudhikumar *et al.*, 2005; Sunil Jose *et al.*, 2008; Sen *et al.*, 2015; Sumesh and Sudhikumar, 2020)
 - Meghalaya (Roy *et al.*, 2017)
 - Rajasthan (Sen *et al.*, 2009; Saha *et al.*, 2015)
 - Sikkim (Tikader, 1970; Sen *et al.*, 2015)
 - Uttarakhand (Uniyal *et al.*, 2011)
 - West Bengal (Sen *et al.*, 2015; Roy *et al.*, 2017)
- 20. *Argyroides gazingensis* Tikader, 1970***
- Sikkim (Tikader, 1970)
 - Gujarat (Patel, 2003b; Yadav *et al.*, 2017)
 - Kerala (Sunil Jose *et al.*, 2008)
 - Sikkim (Tikader, 1970)
- 21. *Argyroides gouri* Tikader, 1963***
- Maharashtra (Tikader, 1963; Meshram, 2011; Rithe, 2012; Vairale & Wagh, 2021)
- 22. *Argyroides gracilis* (L. Koch, 1872)†**
- Kerala (Sumesh and Sudhikumar, 2020)

Elsewhere: Australia, New Caledonia, Samoa

23. *Argyrodes jamkhedes* Tikader, 1963*

- Gujarat (Patel, 1973, 2003b; Yadav *et al.*, 2017)
- Maharashtra (Tikader, 1963; Meshram, 2011; Rithe, 2012; More and Sawant, 2013)

24. *Argyrodes kumadai* Chida and Tanikawa, 1999†

- Kerala (Sumesh and Sudhikumar, 2020)

Elsewhere: China, Japan, Taiwan

25. *Argyrodes miniaceus* (Doleschall, 1857)

- Gujarat (Patel, 2003b; Bhatt, 2014)

Elsewhere: Australia, China, Japan, Korea, New Herbides, New Guinea

26. *Argyrodes nephilae* Taczanowski, 1872

- Andhra Pradesh (Javed *et al.*, 2010)

Elsewhere: USA, Caribbean to Argentina, Galapagos Is.

27. *Argyrodes projeles* Tikader, 1970*

- Gujarat (; Siliwal *et al.*, 2003a; Yadav *et al.*, 2017)
- Sikkim (Tikader, 1970)
- Tamil Nadu (Karthikeyani, 2013)

28. *Argyrodes scintillulanus* O. Pickard-Cambridge, 1880

- Odisha (Chetry and Moran, 2019)

Elsewhere: Sri Lanka

29. *Argyrodes* sp.

- Arunachal Pradesh (Chetry and Moran, 2019)
- Gujarat (Siliwal *et al.*, 2003b; Parasharya and Pathan, 2013; Parmar *et al.*, 2015; Yadav *et al.*, 2017)
- Karnataka (Bhat *et al.*, 2013; Nautiyal *et al.*, 2017)
- Kerala (Patel, 2003a; Sebastian *et al.*, 2005a; Sunil Jose *et al.*, 2008; Adarsh and Nameer, 2015)
- Madhya Pradesh (Sharma and Sharma, 2015)
- Odisha (Siliwal *et al.*, 2008; Choudhury *et al.*, 2019)
- Rajasthan (Kumari *et al.*, 2017)
- Tamil Nadu (Kapoor, 2008)
- Uttar Pradesh (Hore and Uniyal, 2008a, b)
- Uttarakhand (Uniyal *et al.*, 2011; Pooja *et al.*, 2019)

30. *Ariamnes colubrinus* Keyserling, 1890†

- Karnataka (Prashanthakumara and Venkateshwarlu, 2017)

Elsewhere: Australia

31. *Ariamnes flagellum* (Doleschall, 1857)

Syn. *Argyrodes flagellum* Doleschall, 1857

- Karnataka (Bhat *et al.*, 2013)
- Kerala (Sudhikumar *et al.*, 2003; Sunil Jose *et al.*, 2008; Sebastian *et al.*, 2011)
- Maharashtra (Rithe, 2012; More and Sawant, 2013)
- Tamil Nadu (Kapoor, 2008)

Elsewhere: Australia, East Indies, Malaysia, Pakistan

32. *Ariamnes pavesii* Leardi in Airaghi, 1901

- Maharashtra (More and Sawant, 2013)
- Puducherry (Leardi in Airaghi, 1901)

Elsewhere: Sri Lanka

33. *Ariamnes simulans* O. Pickard-Cambridge, 1892*

- West Bengal (Pickard-Cambridge 1892)

34. *Ariamnes* sp.

- Goa (Pandit and Dharwadkar, 2020)
- Karnataka (Abhijith, 2019)
- Madhya Pradesh (Sharma and Sharma, 2015)
- Tamil Nadu (Sherriffs, 1919; Kadam & Rajkumar, 2020)
- Tripura (Dey *et al.*, 2013)

35. *Aroyrodes* sp.

- Rajasthan (Chauhan *et al.*, 2009)

36. *Asagena* sp.

- Kerala (Sumesh and Sudhikumar, 2020)

37. *Cephalobares globiceps* O. Pickard-Cambridge, 1870

- Gujarat (Yadav *et al.*, 2017)

Elsewhere: China, Sri Lanka

38. *Cephalobares* sp.

- Gujarat (Solanki *et al.*, 2020)

39. *Chikunia nigra* (O. Pickard-Cambridge, 1880)

Syn. *Argyrodes nigra* O. Pickard-Cambridge, 1880; *Chryso nigra* (O. Pickard-Cambridge, 1880)

- Assam (Chetia and Kalita, 2012; Gupta *et al.*, 2015)

- Goa (Pandit and Dharwadkar, 2020)
 - Jammu & Kashmir (Chandra *et al.*, 2021)
 - Karnataka (Bhat *et al.*, 2013; Prashanthakumara and Venkateshwarlu, 2017)
 - Kerala (Jose *et al.*, 2018; Rajeevan *et al.*, 2019)
 - Maharashtra (Lanka *et al.*, 2017)
 - Meghalaya (Bhattacharya *et al.*, 2017)
 - Rajasthan (Lawania and Trigunayat, 2015)
 - Uttar Pradesh (Lawania and Mathur, 2014)
- Elsewhere: China, Indonesia, Sri Lanka, Taiwan

40. *Chikunia* sp.

- Karnataka (Prashanthakumara and Venkateshwarlu, 2017)
- Tamil Nadu (Caleb, 2020a)

41. *Chryso angula* (Tikader, 1970)*

Syn. *Theridula angula* Tikader, 1970; *Theridula swatiae* Biswas *et al.*, 1997; *Chryso pseudotheridula* Siliwal, 2009

- Andhra Pradesh (Sen *et al.*, 2015)
- Arunachal Pradesh (Siliwal, 2009; Sen *et al.*, 2015)
- Assam (Basumatary and Brahma, 2017)
- Goa (Pandit and Dharwadkar, 2020)
- Gujarat (Parmar, 2018)
- Karnataka (Abhijith, 2019)
- Kerala (Sebastian *et al.*, 2005b; Sudhikumar *et al.*, 2005; Jose *et al.*, 2018; Sunil Jose *et al.*, 2008; Sen *et al.*, 2015; Ambily and Antony, 2016; Sekhar and Sunil Jose, 2020)
- Maharashtra (Rithe, 2012; More and Sawant, 2013)
- Odisha (Mallick *et al.*, 2017)
- Sikkim (Tikader, 1970; Sen *et al.*, 2015)
- Tamil Nadu (Kapoor, 2008; Dharmaraj *et al.*, 2018)
- West Bengal (Biswas *et al.*, 1997; Sen *et al.*, 2015)

42. *Chryso isumbo* Barrion and Litsinger, 1995

- Kerala (Sudhikumar *et al.*, 2008; Sebastian *et al.*, 2012)

Elsewhere: Philippines

43. *Chryso nigriceps* Keyserling, 1884

- Uttarakhand (Gupta and Siliwal, 2012)

Elsewhere: Colombia, Ecuador

44. *Chryso scintillans* (Thorell, 1895)

Syn. *Linyphia bilobata* Roy *et al.*, 2015

- West Bengal (Roy *et al.*, 2015; Sen *et al.*, 2015)
- Elsewhere: China, Japan, Korea, Myanmar, Philippines

45. *Chryso urbasae* (Tikader, 1970)*

Syn. *Linyphia urbasae* Tikader, 1970

- Assam (Pandit, 2019)
- Goa (Pandit and Dharwadkar, 2020)
- Karnataka (Abhijith, 2019)
- Kerala (Sudhikumar *et al.*, 2005; Sunil Jose *et al.*, 2008; Adarsh and Nameer, 2015; Sen *et al.*, 2015; Rajeevan *et al.*, 2019)
- Maharashtra (More and Sawant, 2013)
- Meghalaya (Roy *et al.*, 2017)
- Sikkim (Tikader, 1970; Sen *et al.*, 2015)
- Tamil Nadu (Sugimaran *et al.*, 2007; Kapoor, 2008; Dharmaraj *et al.*, 2018)
- Uttar Pradesh (Uniyal and Hore, 2009)
- West Bengal (Sen *et al.*, 2015; Raychaudhuri *et al.*, 2016; Saha *et al.*, 2016)

46. *Chryso* sp.

- Gujarat (Patel, 2003b; Parmar *et al.*, 2015; Yadav *et al.*, 2017)
- Karnataka (Bhat *et al.*, 2013; Prashanthakumara and Venkateshwarlu, 2017)
- Maharashtra (Nerlekar *et al.*, 2016)
- Tamil Nadu (Sugumaran *et al.*, 2007; Kapoor, 2008)
- Tripura (Dey *et al.*, 2013)
- Uttar Pradesh (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- Uttarakhand (Uniyal *et al.*, 2011; Gupta and Siliwal, 2012)

47. *Coleosoma blandum* O. Pickard-Cambridge, 1882

- Goa (Pandit and Dharwadkar, 2020)
- Gujarat (Patel and Pillai, 1988; Yadav *et al.*, 2017; Solanki *et al.*, 2020)
- Kerala (Rajeevan *et al.*, 2019)
- Odisha (Prasad *et al.*, 2020)

Elsewhere: Bangladesh, China, Hawaii, India, Japan, Myanmar, Philippines, Seychelles, Thailand

48. *Coleosoma floridanum* Banks, 1900

- Andhra Pradesh (Srinivasulu *et al.*, 2013)
- Kerala (Sudhikumar *et al.*, 2008; Sebastian *et al.*, 2012)
- West Bengal (Levi, 1959)

Elsewhere: Central and South America, China, Europe, Japan, Macaronesia, North Pacific Is., Philippines, Seychelles, West Africa

49. *Coleosoma* sp.

- Jammu and Kashmir (Khan, 2009)
- Karnataka (Abhijith, 2019)
- Kerala (Sudhikumar *et al.*, 2005; Sunil Jose *et al.*, 2008)
- Maharashtra (Bhuvad *et al.*, 2011)

50. *Coscinida tibialis* Simon, 1895†

- Maharashtra (Rajoria, 2015a)
- Elsewhere: Africa, southern Europe, Israel, Thailand, Turkey, Yemen

51. *Cryptachaea riparia* (Blackwall, 1834)

Syn. *Theridion riparium* Blackwall, 1834;
Theridium riparium Blackwall, 1834

- Jammu and Kashmir (Caporiacco, 1935)
- Elsewhere: Caucasus, China, Europe, Japan, Korea, Russia, Turkey

52. *Cyllognatha surajbe* Patel and Patel, 1972*

- Andhra Pradesh (Palem *et al.*, 2016)
- Gujarat (Patel and Patel, 1972; Patel, 2003b; Yadav *et al.*, 2017)
- West Bengal (Oppenheimer and Tikader, 1976)

53. *Cyllognatha* sp.

- Gujarat (Parasharya and Pathan, 2013)

54. *Dipoena* sp.

- Kerala (Sebastian *et al.*, 2005a)

55. *Dipoenura fimbriata* Simon, 1909

- Uttar Pradesh (Sharma and Singh, 2018a)
- Uttarakhand (Gupta and Siliwal, 2012)

Elsewhere: China, Indonesia, Japan, Korea, Vietnam

56. *Dipoenura* sp.

- Karnataka (Abhijith, 2019)

57. *Emertonella taczanowskii* (Keyserling, 1886)

- Maharashtra (Rajoria, 2015a)

Elsewhere: Argentina, China, Japan, New Guinea, Sri Lanka, USA

58. *Enoplognatha diodonta* Zhu and Zhang, 1992

- Himachal Pradesh (Marusik *et al.*, 2014)
- Kerala (Joseph *et al.*, 2017)

Elsewhere: China, Pakistan

59. *Enoplognatha* sp.

- Jammu and Kashmir (Khan, 2009; Punjoo and Bhat, 2015)
- Kerala (Sumesh and Sudhikumar, 2020)
- Maharashtra (Lanka *et al.*, 2017)
- Uttarakhand (Uniyal *et al.*, 2011)

60. *Episinus affinis* Bösenberg and Strand, 1906

- Kerala (Joseph *et al.*, 2017)
- Uttarakhand (Quasin *et al.*, 2011; Uniyal *et al.*, 2011)

Elsewhere: Japan, Korea, Russia, Ryukyu Is., Taiwan

61. *Episinus algiricus* Lucas, 1846

- Jammu and Kashmir (Caporiacco, 1935)
- Elsewhere: France, Italy, Northwest Africa, Malta, Portugal, Spain

62. *Episinus pentagonalis* Chakrabarti, 2013*

- Himachal Pradesh (Chakrabarti, 2013)
- Kerala (Joseph *et al.*, 2017)

63. *Episinus* sp.

- Goa (Pandit and Dharwadkar, 2020)
- Jammu and Kashmir (Punjoo and Bhat, 2015)
- Kerala (Sumesh and Sudhikumar, 2020)
- Maharashtra (Lanka *et al.*, 2017)
- Odisha (Mohapatra *et al.*, 2014)
- Uttarakhand (Uniyal *et al.*, 2011)

64. *Euryopsis episinoides* (Walckenaer, 1847)

- Maharashtra (Rajoria, 2016a)
- Elsewhere: China, France, Hungary, Israel, Palestine, Reunion, Sicily, Syria, Turkey

65. *Euryopsis flavomaculata* (C. L. Koch, 1836)

- Maharashtra (Lanka *et al.*, 2017)
- Elsewhere: Belgium, Caucasus, China, Germany, Great Britain, Japan, Kazakhstan, North America, Russia, Turkey

66. *Euryopsis nubila* Simon, 1889*

- Puducherry (Simon, 1889a)

67. *Euryopsis sagittata* (O. Pickard-Cambridge, 1885)*

Syn. *Phycus sagittatus* O. Pickard-Cambridge, 1885; *Phylarchus sagittatus* O. Pickard-Cambridge, 1885)

- Jammu and Kashmir (Pickard-Cambridge, 1885)

68. *Euryopsis venutissima* (Caporiacco, 1934)*

Syn. *Phylarcus venutissima* Caporiacco, 1934

- Jammu and Kashmir (Caporiacco, 1934, 1935)

69. *Euryopsis* sp.

- Gujarat (Solanki, 2016)
- Uttarakhand (Uniyal *et al.*, 2011; Pooja *et al.*, 2019)

70. *Faiditus spinosus* (Keyserling, 1884)†

- Gujarat (Yadav *et al.*, 2017)

Elsewhere: Peru, Venezuela

71. *Faiditus xiphias* (Thorell, 1887)

Syn. *Argyrodes carnicobarensis* Tikader, 1977

- Andaman and Nicobar Islands (Tikader, 1977a)
- Gujarat (Siliwal, 2000)

Elsewhere: Indonesia, Japan, Myanmar

72. *Faiditus* sp.

- Gujarat (Siliwal *et al.*, 2003b; Yadav *et al.*, 2017)

73. *Heterotheridion nigrovariegatum* (Simon, 1873)

Syn. *Theridium tuberculatum* Kroneberg, 1875 (mis-spelled for *Theridion* by Caporiacco, 1935)

- Jammu and Kashmir (Caporiacco, 1935)

Elsewhere: Caucasus, Central Asia, China, Europe, Iran, Russia, Turkey

74. *Latrodectus elegans* Thorell, 1898

- Manipur (Kanakbala *et al.*, 2012, 2018)

Elsewhere: China, Japan, Myanmar, Nepal

75. *Latrodectus erythromelas* Schmidt and Klaas, 1991

- Andhra Pradesh (Javed *et al.*, 2010; Srinivasulu *et al.*, 2013)

Elsewhere: Sri Lanka

76. *Latrodectus geometricus* C.L. Koch, 1841

- Gujarat (Vasava *et al.*, 2015)
- Tamil Nadu (Kadam & Rajkumar, 2020)

- Maharashtra (Shukla and Broome, 2007; Satam, 2015)

- West Bengal (Ghosh *et al.*, 2018)

Elsewhere: Africa, Australia, Hawaii, Japan, Middle East, North and South Americas, Pakistan, Papua New Guinea, Poland, Thailand

77. *Latrodectus hasselti* Thorell, 1870

Syn. *Latrodectus hasseltii* Thorell, 1870;

Latrodectus hasselti indicus F.O. Pickard-Cambridge, 1902

- Gujarat (Daniel and Soman, 1961; Patel, 1973; Siliwal and Kumar, 2001; Parasharya and Pathan, 2013; Parmar *et al.*, 2015)

- Hariyana (Goyal and Malik, 2017)

- Kerala (Adarsh and Nameer, 2016)

- Maharashtra (Simon, 1897a; Pocock, 1900; Daniel and Soman, 1961; Rithe, 2012; More and Sawant, 2013; Nerlekar *et al.*, 2016)

- Mizoram (Biswas and Biswas, 2007)

- Tamil Nadu (Ganesh Kumar and Siliwal, 2005; Kananbala *et al.*, 2012)

- Telangana (Pravalikha and Srinivasulu, 2014)

Elsewhere: Australia, Iran, Japan, Pakistan, New Guinea, New Zealand

78. *Latrodectus mactans* (Fabricius, 1775)

- Karnataka (Tabasum *et al.*, 2018)

Elsewhere: Australia, Argentina, China, Cuba, Iran, Japan, Mexico, Nepal, North America, Pakistan, Panama, New Guinea, New Zealand, Philippines, South Africa, Sri Lanka

79. *Latrodectus tredecimguttatus* (Rossi, 1790)

Syn. *Latrodectus conglobatus* Koch, 1837

- Andaman and Nicobar Islands (Thorell, 1891)

Elsewhere: Caucasus, Central Asia, China, Iran, Kazakhstan, Mediterranean, Russia, Ukraine

80. *Latrodectus* sp.

- Bihar (Priyadarshini *et al.*, 2015)

- Jammu and Kashmir (Khan, 2011a; Khan and Rather, 2012)

- Uttarakhand (Verma and Ahimaz, 2012)

81. *Meotipa andamanensis* (Tikader, 1977)*

Syn. *Argyrodes andamanensis* Tikader, 1977

- Andaman and Nicobar Islands (Tikader, 1977b)

- Assam (Singh *et al.*, 2012)
- Kerala (Sunil Jose *et al.*, 2008; Mathew *et al.*, 2014)
- Maharashtra (Maheshwari *et al.*, 2018)
- Odisha (Chetry and Moran, 2019)

82. *Meotipa argyrodiformis* (Yaginuma, 1952)

Syn. *Ariamnes argyrodiformis* Yaginuma, 1952;
Chryso argyrodiformis (Yaginuma, 1952)

- Assam (Gupta *et al.*, 2015)
- Gujarat (Thumar, 2019)
- Karnataka (Bhat *et al.*, 2013)
- Kerala (Sebastian *et al.*, 2005a; Mathew *et al.*, 2014; Sen *et al.*, 2015; Adarsh and Nameer, 2016; Ambily and Antony, 2016; Sumesh and Sudhikumar, 2020)
- Tamil Nadu (Sankari and Thiyagesan, 2010)
- West Bengal (Sen *et al.*, 2015)

Elsewhere: China, Japan, Philippines

83. *Meotipa multuma* Murthappa *et al.*, 2017*

- Karnataka (Murthappa *et al.*, 2017)
- Tamil Nadu (Caleb, 2020b)

84. *Meotipa picturata* Simon, 1895

Syn. *Chryso picturata* Simon, 1895

- Goa (Kulkarni *et al.*, 2017; Murthappa *et al.*, 2017)
- Gujarat (Solanki, 2016; Yadav *et al.*, 2017)
- Karnataka (Sherriffs, 1927)
- Kerala (Murthappa *et al.*, 2017; Jose *et al.*, 2018; Sumesh and Sudhikumar, 2020)
- Maharashtra (More and Sawant, 2013)
- Tamil Nadu (Kulkarni *et al.*, 2017; Murthappa *et al.*, 2017)
- Uttar Pradesh (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)

Elsewhere: Indonesia, Laos, Thailand

85. *Meotipa pulcherrima* (Mello-Leitão, 1917)

Syn. *Chryso pulcherrima* Mello-Leitão, 1917

- Assam (Chetia and Kalita, 2012)
- Gujarat (Thumar, 2019)
- Jammu & Kashmir (Chandra *et al.*, 2021)
- Meghalaya (Bhattacharya *et al.*, 2017)
- Rajasthan (Lawania and Trigunayat, 2015)
- Uttar Pradesh (Lawania and Mathur, 2014)

Elsewhere: Americas, China, Japan, Korea, Pacific Is., Papua New Guinea, Tropical Africa

86. *Meotipa sahyadri* Kulkarni *et al.*, 2017*

- Goa (Kulkarni *et al.*, 2017; Pandit and Dharwadkar, 2020)
- Gujarat (Kulkarni *et al.*, 2017)
- Karnataka (Nijagal *et al.*, 2020)
- Maharashtra (Kulkarni *et al.*, 2017)

87. *Meotipa spiniventris* (O. Pickard-Cambridge, 1869)†

Syn. *Chryso spiniventris* (O. Pickard-Cambridge, 1869)

- Karnataka (Abhijith, 2019)

Elsewhere: China, Japan, Netherlands, Sri Lanka, Taiwan

88. *Meotipa ultapani* Basumatary and Brahma, 2019*

- Assam (Basumatary and Brahma, 2019)

89. *Molione triacantha* Thorell, 1892

- Kerala (Sumesh and Sudhikumar, 2020)
- Uttar Pradesh (Sharma and Singh, 2018a, b)
- Uttarakhand (Gupta and Siliwal, 2012)

Elsewhere: China, Laos, Malaysia, Singapore, Taiwan

90. *Moneta grandis* Simon, 1905*

- Tamil Nadu (Simon, 1905)

91. *Neospintharus trigonum* (Hentz, 1850)†

- Kerala (Sumesh and Sudhikumar, 2020)

Elsewhere: Canada, USA

92. *Nesticodes rufipes* (Lucas, 1846)

Syn. *Theridion rufipes* Lucas, 1846; *Theridium rufipes* Lucas, 1842

- Andaman and Nicobar Islands (Thorell, 1892)
- Arunachal Pradesh (Chetry and Moran, 2019)
- Assam (Pandit, 2019)
- Gujarat (Thumar, 2019)
- Jammu and Kashmir (Punjoo and Bhat, 2015)
- Karnataka (Strand, 1907; Jalajakshi and Nanthini, 2020)
- Kerala (Sekhar and Sunil Jose, 2017; Sumesh and Sudhikumar, 2020; Smitha and Sudhikumar, 2020)
- Madhya Pradesh (Keswani, 2014)
- Meghalaya (Kemp, 1924)

- Puducherry (Leardi in Airaghi, 1901; Simon, 1905)
- Tamil Nadu (Simon, 1885; Sherriffs, 1919)
- West Bengal (Talukdar and Sanyal, 2013)

Elsewhere: Central and South America, China, Europe, Indonesia, Japan, Macaronesia, Middle East, New Zealand, North Africa, Pacific Is., Sri Lanka,

93. *Nihonhimea brookesiana* (Barrion and Litsinger, 1995)

Syn. *Achaearanea brookesiana* Barrion and Litsinger, 1995; *Parasteatoda brookesiana* (Barrion and Litsinger, 1995)

- Kerala (Joseph *et al.*, 2017)
- Manipur (Kananbala *et al.*, 2018)
- Tamil Nadu (Ganeshkumar and Siliwal, 2007; Karthikeyani *et al.*, 2017)

Elsewhere: Philippines

94. *Nihonhimea indica* (Tikader, 1977)*

Syn. *Theridion indica* Tikader, 1977; *Theridion indicum* Tikader, 1977

- Andaman and Nicobar Islands (Tikader, 1977b; Biswas and Biswas, 1992; Majumder, 2004, 2005; Saha *et al.*, 2016)
- Assam (Saha *et al.*, 2016; Roy *et al.*, 2017)
- Maharashtra (Rithe, 2012)
- Meghalaya (Roy *et al.*, 2017)
- Tamil Nadu (Sugumaran, 2001)
- West Bengal (Tikader, 1977b; Biswas and Biswas, 1992; Majumder, 2004, 2005; Sen *et al.*, 2015; Raychaudhuri *et al.*, 2016; Saha *et al.*, 2016)

95. *Nihonhimea japonica* (Bösenberg and Strand, 1906)

- Kerala (Sekhar and Sunil Jose, 2019)
- Elsewhere: China, Japan, Korea, Laos, Taiwan

96. *Nihonhimea mundula* (L. Koch, 1872)

Syn. *Parasteatoda mundula* (L. Koch, 1872); *Theridion mundula* L. Koch, 1872; *Achaearanea mundulum* (L. Koch, 1872)

- Gujarat (Solanki and Kumar, 2015; Yadav *et al.*, 2017; Solanki *et al.*, 2020)
- Karnataka (Sherriffs, 1927; Bhat *et al.*, 2013; Nijagal *et al.*, 2020)

- Kerala (Sebastian *et al.*, 2005b; Sudhikumar *et al.*, 2005; Sunil Jose *et al.*, 2008; Adarsh and Nameer, 2016; Jose *et al.*, 2018; Rajeevan *et al.*, 2019; Sumesh and Sudhikumar, 2020)

- Madhya Pradesh (Keswani, 2014)

- Maharashtra (Rithe, 2012; More and Sawant, 2013; Nerlekar *et al.*, 2016)

- Odisha (Siliwal *et al.*, 2008; Choudhury *et al.*, 2019)

- Puducherry (Simon, 1905)

- Rajasthan (Lawania and Trigonayat, 2015)

- Tamil Nadu (Sherriffs, 1919, 1927; Sugimaran *et al.*, 2007; Kapoor, 2008; Caleb, 2020b)

- Uttar Pradesh (Anjali and Prakash, 2012; Lawania and Mathur, 2014)

- Uttarakhand (Quasin and Uniyal, 2010; Pooja *et al.*, 2019)

Elsewhere: China, Indonesia, Japan, Malaysia, New Caledonia, Seychelles

97. *Nihonhimea tikaderi* (Patel, 1973)*

Syn. *Theridion tikaderi* Patel, 1973

- Andhra Pradesh (Palem *et al.*, 2016)
- Gujarat (Patel, 1973, 2003b; Patel and Pillai, 1988; Yadav *et al.*, 2017)
- Maharashtra (More and Sawant, 2013)

98. *Nihonhimea* sp.

- Uttarakhand (Prasad *et al.*, 2019)

99. *Parasteatoda celsabdomina* (Zhu, 1998)

- Kerala (Sekhar and Sunil Jose, 2016)

Elsewhere: China, Laos, Thailand

100. *Parasteatoda corrugata* Yoshida, 2016†

- Karnataka (Mubeen and Basavarajappa, 2018)

Elsewhere: Japan

101. *Parasteatoda kompirensis* (Bösenberg and Strand, 1906)

- Delhi (Malik *et al.*, 2018)
- Odisha (Malik *et al.*, 2018; Chetry and Moran, 2019)

Elsewhere: China, Japan, Korea

102. *Parasteatoda lunata* (Clerck, 1757)†

Syn. *Achaearanea lunata* (Clerck, 1757)

- Karnataka (Nijagal *et al.*, 2020)
- Maharashtra (Bhuvad *et al.*, 2011)

Elsewhere: Caucasus, Europe, Iran, Israel, Russia, Turkey

103. *Parasteatoda oxymaculata* (Zhu, 1998)

- Kerala (Joseph *et al.*, 2017)
- Maharashtra (Rajoria, 2016b)

Elsewhere: China, Laos

104. *Parasteatoda tepidariorum* (C.L. Koch, 1841)

Syn. *Theridion tepidariorum* C.L. Koch, 1841;
Achaearana tepidariorum (C.L. Koch, 1841)

- Gujarat (Parmar and Acharya, 2015)
- Karnataka (Sherriffs, 1927; Bhat *et al.*, 2013)
- Kerala (Sebastian *et al.*, 2005b; Sumesh and Sudhikumar, 2020)
- Puducherry (Simon, 1905)
- Tamil Nadu (Sherriffs, 1919)

Elsewhere: Canada, Caucasus, Central Asia, China, Europe, Hawaii, Iran, Japan, Kazakhstan, New Zealand, Russia, Seychelles, South America, Turkey, USA

105. *Parasteatoda* sp.

- Assam (Basumatary and Brahma, 2017)
- Gujarat (Yadav *et al.*, 2017)
- Karnataka (Kokilamani *et al.*, 2019)
- Kerala (Rajeevan *et al.*, 2019)
- Odisha (Gravelly, 1921; Chetry and Moran, 2019; Choudhury *et al.*, 2019)
- Uttarakhand (Quasin and Uniyal, 2011; Uniyal *et al.*, 2011)

106. *Phoroncidia aculeata* Westwood, 1835

- Kerala (Westwood, 1835)
- Elsewhere: China, Madagascar

107. *Phoroncidia maindroni* (Simon, 1905)*

Syn. *Ulesanis maindroni* Simon, 1905

- Tamil Nadu (Simon, 1905)

108. *Phoroncidia septemaculeata* O. Pickard-Cambridge, 1873

- Kerala (Nafin *et al.*, 2019; Sumesh and Sudhikumar, 2020)
- Maharashtra (Patil *et al.*, 2018)
- Tamil Nadu (Nafin *et al.*, 2019)

Elsewhere: Malaysia, Sri Lanka

109. *Phoroncidia testudo* (O. Pickard-Cambridge, 1873)

- Maharashtra (More and Sawant, 2013)
- South India (Archer, 1950)

Elsewhere: Sri Lanka

110. *Phoroncidia* sp.

- Gujarat (Thumar, 2019)
- Jammu and Kashmir (Punjoo and Bhat, 2015)
- Maharashtra (Lanka *et al.*, 2017)

111. *Phycosoma altum* (Keyserling, 1886)

- Delhi (Malik *et al.*, 2016)

Elsewhere: Asia, Central America, Brazil, Mexico, Panama,

112. *Phycosoma martinae* (Roberts, 1983)

Syn. *Trigonobothrys martinae* Sudhikumar *et al.*, 2004

- Kerala (Sudhikumar *et al.*, 2004; Sebastian *et al.*, 2005a; Sunil Jose *et al.*, 2008; Mathew *et al.*, 2014; Sumesh and Sudhikumar, 2020)
 - Maharashtra (Lanka *et al.*, 2017)
- Elsewhere: China, Japan, Korea, Philippines, Seychelles

113. *Phycosoma* sp.

- Kerala (Sudhikumar and Sebastian, 2005; Jose *et al.*, 2018; Rajeevan *et al.*, 2019)

114. *Phylloneta impressa* (L. Koch, 1881)

- Karnataka (Prashanthakumara and Venkateshwarlu, 2017)
- Uttarakhand (Uniyal *et al.*, 2011; Quasin and Uniyal, 2012)

Elsewhere: Caucasus, Central Asia, China, Europe, Turkey, Iran, Kazakhstan, North America, Russia

115. *Phylloneta sisyphia torandae* (Strand, 1917)

Syn. *Theridion torandae* Strand, 1917; *Theridion lepidum* O. Pickard-Cambridge, 1885; *Theridion sisyphium illepidum* Caporiacco, 1935

- Jammu and Kashmir (Caporiacco, 1935)
- Puducherry (Leardi in Airaghi, 1901)

Elsewhere: Kazakhstan, Pakistan

116. *Phylloneta* sp.

- Uttarakhand (Uniyal *et al.*, 2011)

117. *Propostira quadrangulata* Simon, 1894

- Kerala (Smitha and Sudhikumar, 2020)
- Maharashtra (More and Sawant, 2013)
- Puducherry (Simon, 1905)

Elsewhere: Sri Lanka

118. *Propostira ranii* Bhattacharya, 1935*

- Goa (Pandit and Dharwadkar, 2020)

- West Bengal (Bhattacharya, 1935)
- 119. *Propostira* sp.**
- Karnataka (Abhijith, 2019)
- 120. *Rhomphaea ceraosus* (Zhu and Song, 1991)**
- Maharashtra (Keswani and Vankhede, 2014)
- 121. *Rhomphaea labiata* (Zhu and Song, 1991)**
- Kerala (Sekhar and Sunil Jose, 2018)
- Elsewhere: China, Japan, Korea, Laos
- 122. *Rhomphaea projiciens* Pickard-Cambridge, 1896**
- Syn. *Argyrodes projiciens* Patel, 1973
- Andhra Pradesh (Srinivasulu *et al.*, 2013)
 - Gujarat (Patel, 1973, 2003b; Patel and Pillai, 1988; Kumar and Yashkamal, 2011; Yadav *et al.*, 2017)
 - Kerala (Sumesh and Sudhikumar, 2020)
 - Maharashtra (Rithe, 2012; More and Sawant, 2013)
- Elsewhere: Brazil, Ecuador, Paraguay, Peru, South America
- 123. *Rhomphaea* sp.**
- Gujarat (Patel, 2003b)
 - Karnataka (Abhijith, 2019)
 - Maharashtra (Bhuvad *et al.*, 2011; Lanka *et al.*, 2017)
 - Odisha (Choudhury *et al.*, 2019)
- 124. *Ruborridion musivum* (Simon, 1873)**
- Uttarakhand (Quasin *et al.*, 2017)
- Elsewhere: Mediterranean
- 125. *Ruborridion* sp.**
- Meghalaya (Nakambam *et al.*, 2021)
- 126. *Steatoda alboclatherata* (Simon, 1897)***
- Syn. *Lithyphantes alboclathratus* Simon, 1897
- Maharashtra (Simon, 1897b)
 - Andaman and Nicobar Islands (Thorell, 1891)
 - Jammu and Kashmir (Caporiacco, 1935)
- 127. *Steatoda cingulata* (Thorell, 1890)**
- Maharashtra (Rajoria, 2016c)
 - Uttarakhand (Quasin *et al.*, 2019)
- Elsewhere: China, Indonesia, Japan, Korea, Laos, Vietnam
- 128. *Steatoda grossa* (C.L. Koch, 1838)**
- Jammu and Kashmir (Punjoo and Bhat, 2015)
 - Madhya Pradesh (Khandelwal and Sharma, 2013)
- Elsewhere: Africa, Caucasus, Central Asia, China, Europe, Hawaii, Japan, Korea, Macaronesia, New Zealand, North and South America, Russia, Turkey
- 129. *Steatoda nigrocincta* O. Pickard-Cambridge, 1885**
- Jammu and Kashmir (Caporiacco, 1935)
- Elsewhere: China, Pakistan
- 130. *Steatoda nobilis* (Thorell, 1875)†**
- Karnataka (Tabasum *et al.*, 2018)
- Elsewhere: Chile, Colombia, Ecuador, Europe, Iran, Macaronesia, Turkey, USA
- 131. *Steatoda rufoannulata* (Simon, 1899)**
- Syn. *Teutana rufoannulata* Simon, 1899
- Maharashtra (More and Sawant, 2013)
 - Tamil Nadu (Simon, 1905)
- Elsewhere: Sri Lanka, Java, Sumatra
- 132. *Steatoda subannulata* (Kulczyński, 1911)**
- Syn. *Steatoda cingulata* (Chrysanthus, 1975)
- Kerala (Joseph *et al.*, 2017)
 - Maharashtra (Rajoria, 2016c)
 - Uttarakhand (Quasin *et al.*, 2019)
- Elsewhere: New Guinea, Papua New Guinea
- 133. *Steatoda triangulosa* (Walckenaer, 1802)**
- Jammu and Kashmir (Punjoo and Bhat, 2015)
- Elsewhere: Canada, Canary Is., Caucasus, Central Asia, Europe, Iran, Kazakhstan, Russia, Turkey, USA
- 134. *Steatoda* sp.**
- Assam (Chetia and Kalita, 2012)
 - Gujarat (Siliwal *et al.*, 2003b; Parmar *et al.*, 2015)
 - Jammu & Kashmir [Chandra *et al.*, 2021]
 - Karnataka (Prashanthakumara and Venkateshwarlu, 2017)
 - Kerala (Sudhikumar *et al.*, 2005)
 - Maharashtra (Nerlekar *et al.*, 2016)
 - Manipur (Kananbala *et al.*, 2018)
 - Odisha (Chetry and Moran, 2019; Choudhury *et al.*, 2019)
 - Rajasthan (Lawania and Trigunayat, 2015)

- Tamil Nadu (Kapoor, 2008)
 - Uttar Pradesh (Lawania and Mathur, 2014)
 - Uttarakhand (Uniyal *et al.*, 2011)
- 135. *Stemmops satpudaensis* Rajoria, 2015***
- Maharashtra (Rajoria, 2015b)
- 136. *Theridion angustifrons* Caporiacco, 1934**
- Jammu and Kashmir (Caporiacco, 1935)
- Elsewhere: Karakorum
- 137. *Theridion bengalensis* Sen *et al.*, 2011***
- Kerala (Joseph *et al.*, 2017)
 - West Bengal (Sen *et al.*, 2011)
- 138. *Theridion confusum* O. Pickard-Cambridge, 1885**
- Syn. *Theridium confusum* O. Pickard-Cambridge, 1885
- Jammu and Kashmir (Caporiacco, 1935)
- Elsewhere: Pakistan
- 139. *Theridion expallidatum* O. Pickard-Cambridge, 1885**
- Syn. *Theridium expallidatum* O. Pickard-Cambridge, 1885
- Jammu and Kashmir (Pickard-Cambridge, 1885; Caporiacco, 1935)
- Elsewhere: Pakistan
- 140. *Theridion glaciale* Caporiacco, 1934***
- Jammu and Kashmir (Caporiacco, 1934, 1935)
- 141. *Theridion incertum* O. Pickard-Cambridge, 1885**
- Syn. *Theridium incertum* O. Pickard-Cambridge, 1885
- Jammu and Kashmir (Caporiacco, 1935)
 - Maharashtra (More and Sawant, 2013)
 - Uttar Pradesh (Uniyal and Hore, 2009)
- Elsewhere: Pakistan
- 142. *Theridion latisternum* Caporiacco, 1935**
- Jammu and Kashmir (Caporiacco, 1935)
- Elsewhere: Pakistan
- 143. *Theridion leucophaeum* Simon, 1905***
- Puducherry (Simon, 1905)
 - Tamil Nadu (Simon, 1905; Sherriffs, 1927; Sen *et al.*, 2015)
- 144. *Theridion lumabani* Barrion and Litsinger, 1995**
- Kerala (Mathew *et al.*, 2014)
- Elsewhere: Philippines
- 145. *Theridion maindroni* Simon, 1905***
- Tamil Nadu (Simon, 1905; Sherriffs, 1927)
- 146. *Theridion manjithar* Tikader, 1970***
- Assam (Singh *et al.*, 2012, 2013)
 - Gujarat (Tikader, 1970; Patel, 1973; Patel and Pillai, 1988; Siliwal *et al.*, 2003a; Kumar and Yashkamal, 2011)
 - Karnataka (Nautiyal *et al.*, 2017; Prashanthakumara and Venkateshwarlu, 2017)
 - Kerala (Patel, 2003a; Sunil Jose *et al.*, 2008; Ambily and Antony, 2016; Rajeevan *et al.*, 2019)
 - Maharashtra (Meshram, 2011; Vairale & Wagh, 2021)
 - Sikkim (Tikader, 1970; Patel, 1973)
 - Tamil Nadu (Karthikeyani, 2013; Dharmaraj *et al.*, 2018)
 - Uttar Pradesh (Uniyal and Hore, 2009)
- 147. *Theridion melanostictum* O. Pickard-Cambridge, 1876**
- Gujarat [Dal & Trivedi, 2020]
 - Maharashtra (Bodkhe *et al.*, 2015; Lanka *et al.*, 2017)
 - Rajasthan (Prasad *et al.*, 2019)
- Elsewhere: Canada, Central Asia, China, Egypt, Galapagos Is., Japan, Macaronesia, Mediterranean, Poland, Society Is., USA
- 148. *Theridion nilgherinum* Simon, 1905***
- Tamil Nadu (Simon, 1905; Sherriffs, 1927; Karthikeyani *et al.*, 2017)
- 149. *Theridion odisha* Prasad *et al.*, 2019***
- Odisha (Prasad *et al.*, 2019)
- 150. *Theridion otsospotum* Barrion and Litsinger, 1995†**
- Tamil Nadu (Sugumaran, 2001)
- Elsewhere: Philippines
- 151. *Theridion sadani* Monga and Singh, 1989***
- Jammu and Kashmir (Monga and Singh, 1989)
- 152. *Theridion spinosissimum* Caporiacco, 1935**
- Syn. *Theridium spinosissimum* Caporiacco, 1935
- Jammu and Kashmir (Caporiacco, 1935)
 - Maharashtra (More and Sawant, 2013)

Elsewhere: Pakistan

153. *Theridion subitum* O. Pickard-Cambridge, 1885

Syn. *Theridium subitum* O. Pickard-Cambridge, 1885

- Jammu and Kashmir (Caporiacco, 1935)

Elsewhere: Pakistan

154. *Theridion subvittatum* Simon, 1889*

- Uttarakhand (Simon, 1889b)

155. *Theridion varians* Hahn, 1833

- Rajasthan (Saini *et al.*, 2013)

Elsewhere: Canada, Caucasus, Central Asia, China, Europe, Iran, Kazakhstan, North Africa, Russia, Turkey, USA

156. *Theridion zonulatum* Thorell 1890

Syn. *Linyphia striata* Sebastian *et al.*, 2009

- Assam (Singh *et al.*, 2012, 2013)
- Karnataka (Bhat *et al.*, 2013)
- Kerala (Sebastian *et al.*, 2009; Ehrler *et al.*, 2014; Sankaran *et al.*, 2015)

Elsewhere: China, Indonesia, Singapore, Thailand

157. *Theridion* sp.

- Bihar (Priyadarshini *et al.*, 2015)
- Gujarat (Siliwal *et al.*, 2003b; Parasharya and Pathan, 2013; Parmar *et al.*, 2015; Yadav *et al.*, 2017)
- Himachal Pradesh (Uniyal, 2006)
- Jammu and Kashmir (Khan, 2009, 2011a, b; Punjoo and Bhat, 2015)
- Karnataka (Tikader, 1961; Bhat *et al.*, 2013; Nautiyal *et al.*, 2017; Prashanthakumara and Venkateshwarlu, 2017)
- Kerala (Patel, 2003a; Sebastian *et al.*, 2005a; Sunil Jose *et al.*, 2008; Mathew *et al.*, 2014)
- Maharashtra (Tikader, 1961)
- Manipur (Kananbala *et al.*, 2018)
- Odisha (Siliwal *et al.*, 2008; Choudhury *et al.*, 2019)
- Tamil Nadu (Dharmaraj *et al.*, 2018)
- Uttar Pradesh (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- Uttarakhand (Uniyal *et al.*, 2011; Gupta and Siliwal, 2012; Pooja *et al.*, 2019)

158. *Theridula gonygaster* (Simon, 1873)

- Karnataka (Abhijith, 2019)

- Kerala (Rajeevan *et al.*, 2019)

Elsewhere: Caribbean, Central and South America, China, Congo, Europe, Georgia, Japan, Madagascar, Seychelles

159. *Theridula* sp.

- Jammu and Kashmir (Khan, 2011b)
- Karnataka (Nautiyal *et al.*, 2017)
- Kerala (Sebastian *et al.*, 2005a)
- Maharashtra (Lanka *et al.*, 2017)
- Manipur (Kananbala *et al.*, 2018)
- West Bengal (Ghosh *et al.*, 2018)

160. *Thwaitesia dangensis* Patel and Patel, 1972*

- Gujarat (Patel and Patel, 1972; Patel, 2003b)

161. *Thwaitesia margaritifera* O. Pickard-Cambridge, 1881

- Kerala (Sumesh and Sudhikumar, 2020)
- Uttar Pradesh (Sharma and Singh, 2018a, b)
- Uttarakhand (Gupta and Siliwal, 2012)

Elsewhere: China, Sri Lanka, Vietnam

162. *Thwaitesia* sp.

- Goa (Pandit and Dharwadkar, 2020)
- Gujarat (Thumar, 2019)
- Kerala (Adarsh and Nameer, 2015; Rajeevan *et al.*, 2019)

163. *Tomoxena dives* Simon, 1895*

- Tamil Nadu (Simon, 1895)

164. *Yaginumena maculosa* (Yoshida and Ono, 2000)

- Gujarat (Solanki *et al.*, 2020)
- Maharashtra (Rajoria, 2015b)

Elsewhere: Caucasus, China, Japan, Korea, Turkey

II. List of species designated nomina dubia

1. *Euryopsis brevis* (Pickard-Cambridge, 1870)

Syn. *Phylarcus brevis* (Pickard-Cambridge, 1870); *Phycus brevis* Pickard-Cambridge, 1870

- Puducherry (Simon, 1905)

2. *Steatoda dhruvai* Patel *et al.*, 1987*

- Gujarat (Patel *et al.*, 1987; Patel and Pillai, 1988)

3. *Theridion piligerum* Frauenfeld, 1867

- Andaman and Nicobar Islands (Frauenfeld,

1867; Monga and Singh, 1989; Prasad et al., 2019)

III. Checklist of Theridiidae in Indian States

Andhra Pradesh: *Argyrodes argentatus*, *Argyrodes flavescens*, *Argyrodes nephilae*, *Chryso angula*, *Coleosoma floridanum*, *Cyllognatha surajbe*, *Latrodectus erythromelas*, *Nihonhimea tikaderi* *Rhomphaea projiciens*

Arunachal Pradesh: *Argyrodes* sp., *Chryso angula*, *Nesticodes rufipes*

Assam: *Achaearanea budana*, *Argyrodes argentatus*, *Argyrodes flavescens*, *Argyrodes gazedes*, *Chikunia nigra*, *Chryso angula*, *Chryso argyrodiformis*, *Chryso nigra*, *Chryso urbasae*, *Meotipa andamanensis*, *Meotipa pulcherrima*, *Meotipa ultapani*, *Nesticodes rufipes*, *Nihonhimea indica*, *Parasteatoda* sp., *Steatoda* sp., *Theridion manjithar*, *Theridion zonulatum*

Bihar: *Latrodectus* sp., *Theridion* sp.

Goa: *Achaearanea durgae*, *Argyrodes flavescens*, *Ariamnes* sp., *Chikunia nigra*, *Chryso angula*, *Chryso urbasae*, *Coleosoma blandum*, *Episinus* sp., *Meotipa picturata*, *Meotipa sahyadri*, *Propostira ranii*, *Thwaitesia* sp.

Gujarat: *Achaearanea budana*, *Achaearanea durgae*, *Achaearanea triangularis*, *Argyrodes ambalikaie*, *Argyrodes antipodianus*, *Argyrodes argentatus*, *Argyrodes cyrtophorae*, *Argyrodes dipali*, *Argyrodes flavescens*, *Argyrodes gazedes*, *Argyrodes gazingensis*, *Argyrodes jamkhedes*, *Argyrodes miniaceus*, *Argyrodes projeles*, *Argyrodes xiphias*, *Cephalobares globiceps*, *Chryso angula*, *Coleosoma blandum*, *Cyllognatha surajbe*, *Euryopsis* sp., *Faiditus spinosus*, *Faiditus xiphias*, *Latrodectus geometricus*, *Latrodectus hasseltii*, *Meotipa argyrodiformis*, *Meotipa picturata*, *Meotipa pulcherrima*, *Meotipa sahyadri*, *Nesticodes rufipes*, *Nihonhimea mundula*, *Nihonhimea tikaderi*, *Parasteatoda mundula*, *Parasteatoda tepidariorum*, *Phoroncidia* sp., *Rhomphaea projiciens*, *Steatoda dhruvai*, *Theridion manjithar*, *Theridion*

melanostictum, *Thwaitesia dangensis*, *Yaginumena maculosa*

Hariyana: *Latrodectus hasseltii*

Himachal Pradesh: *Enoplognatha diodonta*, *Episinus pentagonalis*, *Theridion* sp.

Karnataka: *Achaearanea* sp., *Argyrodes ambalikaie*, *Argyrodes argentatus*, *Argyrodes bonadea*, *Argyrodes cyrtophorae*, *Argyrodes gazedes*, *Ariamnes colubrinus*, *Ariamnes flagellum*, *Chikunia nigra*, *Chryso angula*, *Chryso argyrodiformis*, *Chryso nigra*, *Chryso urbasae*, *Coleosoma* sp., *Dipoenura* sp., *Latrodectus mactans*, *Meotipa multuma*, *Meotipa picturata*, *Meotipa sahyadri*, *Meotipa spiniventris*, *Nesticodes rufipes*, *Nihonhimea mundula*, *Parasteatoda corrugate*, *Parasteatoda lunata*, *Parasteatoda mundula*, *Parasteatoda tepidariorum*, *Phoroncidia aculeate*, *Phylloneta impressa*, *Propostira* sp., *Rhomphaea* sp., *Steatoda nobilis*, *Theridion manjithar*, *Theridion zonulatum*, *Theridula gonygaster*

Kerala: *Achaearanea diglipuriensis*, *Achaearanea durgae*, *Achaearanea triangularis*, *Argyrodes ambalikaie*, *Argyrodes amboinensis*, *Argyrodes argentatus*, *Argyrodes bonadea*, *Argyrodes fissifrons*, *Argyrodes flavescens*, *Argyrodes gazedes*, *Argyrodes gazingensis*, *Argyrodes gracilis*, *Argyrodes kumadai*, *Argyrodes xiphias*, *Ariamnes flagellum*, *Asagena* sp., *Chikunia nigra*, *Chryso angula*, *Chryso argyrodiformis*, *Chryso nigra*, *Chryso urbasae*, *Coleosoma blandum*, *Dipoenura* sp., *Enoplognatha diodonta*, *Episinus affinis*, *Episinus pentagonalis*, *Latrodectus hasseltii*, *Meotipa andamanensis*, *Meotipa argyrodiformis*, *Meotipa picturata*, *Molione triacantha*, *Neospintharus trigonum*, *Nesticodes rufipes*, *Nihonhimea brookesiana*, *Nihonhimea japonica*, *Nihonhimea mundula*, *Achaearanea mundulum*, *Parasteatoda celsabdomina*, *Parasteatoda mundula*, *Parasteatoda oxymaculata*, *Parasteatoda tepidariorum*, *Phoroncidia septemaculeata*, *Phycosoma martinae*, *Propostira quadrangulata*, *Rhomphaea labiata*, *Rhomphaea projiciens*, *Steatoda*

subannulata, *Theridion bengalensis*, *Theridion lumabani*, *Theridion manjithar*, *Theridion zonulatum*, *Theridula gonygaster*, *Thwaitesia margaritifera*

Madhya Pradesh: *Argyrodes* sp., *Ariamnes* sp., *Nesticodes rufipes*, *Parasteatoda mundula*, *Steatoda grossa*

Maharashtra: *Achaearanea durgae*, *Achaearanea triangularis*, *Anelosimus exiguus*, *Argyrodes ambalikaie*, *Argyrodes argentatus*, *Argyrodes bonadea*, *Argyrodes chiriatapuensis*, *Argyrodes cyrtophorae*, *Argyrodes dipali*, *Argyrodes fissifrons*, *Argyrodes gouri*, *Argyrodes jamkhedes*, *Argyrodes procrastinans*, *Ariamnes flagellum*, *Ariamnes pavesii*, *Chikunia nigra*, *Chryso angula*, *Chryso urbasae*, *Coleosoma* sp., *Coscinida tibialis*, *Emertonella taczanowskii*, *Enoplognatha* sp., *Episinus* sp., *Euryopsis episinoides*, *Euryopsis flavomaculata*, *Latrodectus geometricus*, *Latrodectus hasseltii*, *Meotipa andamanensis*, *Meotipa picturata*, *Meotipa sahyadri*, *Miagrammopes satpudaensis*, *Nihonhimea indica*, *Nihonhimea mundula*, *Nihonhimea tikaderi*, *Parasteatoda lunata*, *Parasteatoda mundula*, *Parasteatoda oxymaculata*, *Phoroncidia septemaculeata*, *Phoroncidia testudo*, *Phycosoma martinae*, *Propostira quadrangulata*, *Rhomphaea ceraosus*, *Rhomphaea projiciens*, *Steatoda alboclatherata*, *Steatoda rufoannulata*, *Steatoda subannulata*, *Stemmops satpudaensis*, *Theridion incertum*, *Theridion manjithar*, *Theridion melanostictum*, *Theridion spinosissimum*, *Theridula* sp., *Yaginumena maculosa*

Manipur: *Argyrodes argentatus*, *Latrodectus elegans*, *Nihonhimea brookesiana*, *Steatoda* sp., *Theridion* sp., *Theridula* sp.

Meghalaya: *Achaearanea budana*, *Argyrodes gazedes*, *Chryso nigra*, *Chryso urbasae*, *Meotipa pulcherrima*, *Nesticodes rufipes*, *Nihonhimea indica*, *Ruborridion* sp.

Mizoram: *Latrodectus hasseltii*

Odisha: *Achaeraena* sp., *Argyrodes argentatus*, *Argyrodes scintillulanus*, *Chryso angula*, *Coleosoma blandum*, *Episinus* sp., *Meotipa andamanensis*, *Nihonhimea mundula*, *Parasteatoda kompirensis*, *Rhomphaea* sp., *Steatoda* sp., *Theridion odisha*

Rajasthan: *Achaeraena* sp., *Argyrodes gazedes*, *Argyrodes* sp., *Chryso nigra*, *Meotipa pulcherrima*, *Nihonhimea mundula*, *Steatoda* sp., *Theridion melanostictum*, *Theridion varians*

Sikkim: *Achaearanea budana*, *Achaearanea durgae*, *Argyrodes ambalikaie*, *Argyrodes gazedes*, *Argyrodes gazingensis*, *Argyrodes projeles*, *Chryso angula*, *Chryso urbasae*, *Theridion manjithar*

Tamil Nadu: *Argyrodes argentatus*, *Argyrodes argyrodes*, *Argyrodes fissifrons*, *Argyrodes flavescens*, *Argyrodes projeles*, *Ariamnes flagellum*, *Chikunia* sp., *Chryso angula*, *Chryso argyrodiformis*, *Chryso urbasae*, *Latrodectus geometricus*, *Latrodectus hasseltii*, *Meotipa argyrodiformis*, *Meotipa multuma*, *Meotipa picturata*, *Moneta grandis*, *Nesticodes rufipes*, *Nihonhimea brookesiana*, *Nihonhimea indica*, *Nihonhimea mundula*, *Parasteatoda tepidariorum*, *Phoroncidia maindroni*, *Phoroncidia septemaculeata*, *Steatoda rufoannulata*, *Theridion leucophaeum*, *Theridion maindroni*, *Theridion manjithar*, *Theridion nilgherinum*, *Theridion otsospotum*, *Tomoxena dives*

Telangana: *Latrodectus hasseltii*

Tripura: *Ariamnes* sp., *Chryso* sp.

Uttar Pradesh: *Achaearanea budana*, *Achaearanea triangularis*, *Argyrodes cyrtophorae*, *Argyrodes fissifrons*, *Chryso nigra*, *Chryso urbasae*, *Dipoenura fimbriata*, *Meotipa picturata*, *Meotipa pulcherrima*, *Molione triacantha*, *Nihonhimea mundula*, *Steatoda* sp., *Theridion incertum*, *Theridion manjithar*, *Thwaitesia margaritifera*

Uttarakhand: *Achaearanea durgae*, *Achaearanea triangularis*, *Argyrodes argentatus*, *Argyrodes gazedes*, *Chryso nigriceps*, *Dipoenura fimbriata*, *Enoplognatha* sp., *Episinus affinis*, *Euryopsis* sp., *Latrodectus* sp., *Molione triacantha*, *Nihonhimea mundula*, *Parasteatoda* sp., *Phylloneta impressa*, *Ruborridion musivum*, *Steatoda cingulata*, *Steatoda subannulata*, *Theridion subvittatum*, *Thwaitesia argaritifera*

West Bengal: *Achaearanea budana*, *Achaearanea durgae*, *Argyrodes ambalika*, *Argyrodes gazedes*, *Ariamnes simulans*, *Chryso angula*, *Chryso argyrodiformis*, *Chryso scintillans*, *Chryso urbasae*, *Cylognatha surajbe*, *Latrodectus geometricus*, *Meotipa argyrodiformis*, *Nesticodes rufipes*, *Nihonhimea indica*, *Propostira ranii*, *Theridion bengalensis*, *Theridula* sp.

IV. Checklist of Theridiidae in Union Territories

Andaman and Nicobar Islands: *Achaearanea diglipuriensis*, *Argyrodes carnicobarensis*, *Argyrodes chiriatapuensis*, *Argyrodes fissifrons terressae*, *Argyrodes xiphias*, *Latrodectus tredecimguttatus*, *Meotipa andamanensis*, *Nesticodes rufipes*, *Nihonhimea indica*, *Steatoda albomaculata*

Delhi: *Argyrodes bonadea*, *Parasteatoda kompirensis*, *Phycosoma altum*

Jammu and Kashmir: *Anelosimus* sp., *Chikunia nigra*, *Coleosoma* sp., *Cryptachaea riparia*, *Enoplognatha* sp., *Episinus algericus*, *Euryopsis megalops*, *Euryopsis sagittata*, *Euryopsis venutissima*, *Heterotheridion nigrovariegatum*, *Latrodectus* sp., *Meotipa pulcherrima*, *Nesticodes rufipes*, *Phoroncidia* sp., *Phylloneta sisyphia torandae*, *Rugathodes instabilis*, *Steatoda albomaculata*, *Steatoda grossa*, *Steatoda nigrocineta*, *Steatoda triangulosa*, *Theridion angustifrons*, *Theridion confusum*, *Theridion expallidatum*, *Theridion glaciale*, *Theridion incertum*, *Theridion latisternum*, *Theridion*

melanurum, *Theridion sadani*, *Theridion spinosissimum*, *Theridion subitum*, *Theridula* sp.

Ladakh: *Achaearanea budana*

Puducherry: *Argyrodes argyroides*, *Ariamnes pavesii*, *Euryopsis nubile*, *Nesticodes rufipes*, *Nihonhimea mundula*, *Parasteatoda tepidariorum*, *Phylloneta sisyphia*, *Propostira quadrangulata*, *Theridion leucophaeum*.

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