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# Faunal Biodiversity of Lycosidae (Araneomorphae: Araneae: Arachnida) in India: An Updated Checklist

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**Abstract:** Faunal biodiversity of the wolf spiders (Lycosidae: Araneomorphae: Araneae: Arachnida) in different states of India and union territories is presented herewith. A total of 155 species placed under 25 genera of Lycosidae were recorded in all states and union territories of India except Nagaland, Daman and Diu and Dadra and Nagar Haveli, and Lakshdweep, out of which 91 species (58.7%) were strictly endemic. However, among them 8 species seem to be erroneous report or misidentification. Maximum number of species were recorded in Maharashtra followed by 65 species in West Bengal, 57 species in Gujarat, 50 species in Uttarakhand, 39 species in Madhya Pradesh, 38 species in Kerala, 36 species in Karnataka, 33 species in Jammu and Kashmir and less than 30 species are recorded in other states. Six species of Lycosidae are widely distributed, viz. *Wadicosa fidelis* (O. Pickard-Cambridge, 1872) (25 states, 3 union territories), *Pardosa sumatrana* (Thorell, 1890) (23 states, 1 union territory), *Pardosa pseudoannulata* (Bösenberg and Strand, 1906) (19 states, 1 union territory), *Hippasa agelenoides* (Simon, 1884) (17 states, 1 union territory), *Hippasa greenalliae* (Blackwall, 1867) (16 states, 1 union territory), and *Lycosa tista* Tikader, 1970 (16 states). About one-third of the species of Lycosidae reported in India are recorded only in one state or from the type locality. Hence, extensive faunistic surveys for these spiders are required.

**Keywords:** Lycosidae, Checklist, Faunal distribution, Wolf spiders, India

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## Introduction

The spiders are the common name of the arachnids that belong to the order Araneae (Arthropoda: Chelicerata: Arachnida) and are among the most common and abundant

entomophagous creatures in the terrestrial ecosystems throughout the world. They are known to possess a very diverse range of lifestyles and foraging behaviours

(Nyffeler and Birkhofer, 2017). The spider community not only consumes approximately 400-800 million tons of prey (mostly insects) globally per year but also serve as a food source for an extremely diverse predators-parasitoids-parasites complex, birds, amphibians, lizards, snakes, shrews, mice, bats, fish etc. (Nyffeler and Birkhofer, 2017). At present, spiders consist of 49,243 species placed in 4,209 genera belonging to 128 families (WSC, 2021). Also, there are several species in the wild and museums that still await description and classification. It is estimated that about 70-80% of the species have yet to be described. Despite recent researches on the faunistic biodiversity surveys of spiders in India, their number is not enough as compared to other parts of the world. For example, Canada has a cold climate and has relatively limited biodiversity, yet 1,477 species of spiders belonging to 45 families are recorded (Bennett *et al.*, 2019) while 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 1,859 species belonging to 477 genera (Caleb and Sankaran, 2021). Recently, the species distribution and checklist of 55 families of spiders have been updated in India (Sharma *et al.*, 2020 a, b, 2021; Singh BB *et al.*, 2020, 2021; Singh, 2021 a, b; Singh and Singh, 2020, 2021; Singh *et al.*, 2020 a, b, c, d, e, f, 2021 a, b; Tiwari and Singh, 2021; Tiwari *et al.*, 2021 a, b).

Lycosidae is one of the families of araneomorph and ecribellate spiders that commonly called wolf spiders. These spiders are 3-45 mm long, robust, agile, cryptically coloured in shades of brown, gray to almost black, depending on their surroundings. All

legs are spinose and provided with 3 tarsal claws, usually with scopulae for adhesion. The abdomen is oval and always covered with dense hairs. The wolf spiders resemble nursery web spiders (family Pisauridae) but differ particularly in eye pattern and the fate of egg sacs. The eight eyes of wolf spiders are all dark in colour and arranged in three rows in a typical style. The anterior row has four small eyes set in a straight or slightly curved row, the second row has two large eyes further up on the vertical front, and the posterior row has two medium-sized eyes on the sides of the head which may be roughly steep-sided; while in nursery web spiders all eyes are of roughly equal size. The female wolf spiders carry their egg sacs attached to their spinnerets, while the nursery web spiders carry their egg sacs with their chelicerae and pedipalps (Tiwari and Singh, 2021). The majority of wolf spiders are diurnal and do not spin webs for capturing prey, but they run about in grass, leaf litter, over sandy or stony areas, across the surface of the water and many other places and hunt the prey actively (Foelix, 2011). Few wolf spiders are often found in man-made constructions. However, some genera, e.g. *Aulonia* C.L. Koch, 1847, *Hippasa* Simon, 1885 and *Sosippus* Simon, 1888 construct sheet webs provided with a funnel retreat; *Alopecosa* Simon, 1885, *Arctosa* C.L. Koch, 1847 and *Trochosa* C.L. Koch, 1847, make burrows in the ground lined with silk that serves as retreats and a place for the females to guard their egg sacks; *Pirata* Sundevall, 1833 build silk tubes in vegetation where they rest for a while; and *Adelocosa* Gertsch, 1973, live in a cave and are blind unlike most of the wolf spiders, and female carries the egg sac in her mouthparts until the spiderlings hatch. Female wolf spiders are

usually monogynous and devour the next males that attempt to mate her (Wilder and Rypstra, 2008). Among the spiders, wolf spiders are unique in the maternal care of spiderlings. After emergence from the egg sac, these spiderlings mount on the legs of the mother and take position onto the dorsum of her abdomen. The mother carries these spiderlings for several days or even weeks until they are ready to disperse. Morphological, phylogenetic and behavioural relationships between the species of Lycosidae are well illustrated by Rovner (1980), Zehethofer and Sturmbauer (1998), Murphy *et al.* (2006), Marshall and Martin (2011) and Planas *et al.* (2013).

Spiders are mostly entomophagous and are among the most abundant biocontrol/natural agents in many agroecosystems, still their role in biological control programme is still disputed because they not only consume pest populations but also other biocontrol agents (predators/parasitoids) and thus may hamper the biocontrol programme of the pests caused by those bioagents (Singh, 2021 a, b). However, in irrigated rice at the early crop stages, the natural control of insect population is mainly attributed to spiders and the most abundant spiders assessed across the cropping season are wolf spiders next to long-jawed spiders (Tetragnathidae) (Barrion and Litsinger, 1984; Singh and Singh, 2014; Huang *et al.*, 2018). Despite their role as insect predators and being crucial to the health of terrestrial ecosystems, only 12 species, *Adelocosa anops* Gertsch, 1973 (endangered, cavernicolous in Hawaii) (World Conservation Monitoring Centre, 1996 a), *Dolocosa dolosa* (O. Pickard-Cambridge, 1873) (endangered, in St. Helena) (White *et al.*, 2019 a), *Hogna cinica* (Tongiorgi,

1977) (critically endangered, in St. Helena) (White *et al.*, 2019 b), *Hogna inexorabilis* (O. Pickard-Cambridge, 1870) (decreasing, in St. Helena) (White *et al.*, 2019 c), *Hogna ingens* (Blackwall, 1857) (decreasing, in Madeira) (Cardoso, 2014), *Hogna ligata* (O. Pickard-Cambridge, 1870) (decreasing, in St. Helena) (White *et al.*, 2019 d), *Hogna nefasta* Tongiorgi, 1977 (decreasing, St. Helena) (White *et al.*, 2019 e), *Lycosa elysae* Tongiorgi, 1977 (critically endangered, in St. Helena) (White *et al.*, 2019 f), *Lycosa ringens* Tongiorgi, 1977 (endangered, in St. Helena) (White *et al.*, 2019 g), *Pardosa diuturna* Fox, 1937 (vulnerable, in Canada, Alaska) (World Conservation Monitoring Centre, 1996 b), *Sosippus placidus* Brady, 1972 (vulnerable, in USA) (World Conservation Monitoring Centre, 1996 c), and *Vesubia jugorum* (Simon, 1881) (decreasing, in Italy) (Isaia and Mammola, 2018) were listed in IUCN Red List of Threatened Species as either critically endangered, endangered, vulnerable, or decreasing. However, none of the species recorded in India is on this list. Indeed, no attempt was made in this direction even though several species are known only from their type localities.

Information regarding the Indian Lycosidae 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 (Sharma *et al.*, 2020 a, b, 2021; Singh BB *et al.*, 2020, 2021; Singh, 2021a, b; Singh and Singh, 2020, 2021; Singh *et al.*, 2020 a, b, c, d, e, f, 2021; Tiwari and Singh, 2021; Tiwari *et al.*, 2021 a, 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 literatures without a re-examination of the corresponding types and without consulting any spider taxonomist (Singh, 2021 a, b). Hence, these reports need re-examination. At present the faunal survey results of wolf spiders are all scattered in the literature and so far no consolidated account is available regarding their distribution pattern across the country. Therefore, this present report was undertaken to provide an up-to-date checklist of Indian Lycosidae 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 March 20, 2021. Some references of 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. It happened because such contents become outdated quickly and, due to their perceived comprehensiveness, readers sometimes overlook newer 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 (Singh, 2021 a, b; Singh and Singh, 2020, 2021; WSC, 2021). 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 World Spider Catalog. Only those synonymies were mentioned that were reported in India. All the endemic species are marked with \*. Seemingly,

misidentified and erroneous records 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 World Spider Catalog (WSC, 2021) and other existing literature.

### Results and Discussion

In India, Walckenaer (1837) was probably the first who had described a wolf spider, *Lycosa indagatrix* from Tamil Nadu. Thereafter, Blackwall (1867) described a species, *Hippasa greenalliae* from western Uttar Pradesh. Later, in 1885, O. Pickard-Cambridge (1885 a) described three species, *Hogna irascibilis*, *Hogna rubromandibulata* and *Trochosa propinqua* from Leh (Ladakh) and Sind valley (Jammu and Kashmir); and Simon (1885 a) described four species, *Crocodilosa leucostigma*, *Evippa rubiginosa*, *Lycosa chaperi* and *Pardosa partita* from Karnataka.

In 1891, two more species of wolf spiders were described from Andaman and Nicobar Islands by Thorell (1891), namely *Pardosa thalassia* (Thorell, 1891) and *Draposa nicobarica* (Thorell, 1891). In 19<sup>th</sup> century, three more species were described, namely, *Crocodilosa maindroni* by Simon (1897) from Maharashtra, *Lycosa phipsoni* and *Lycosa wroughtoni* by Pocock (1899) from Maharashtra and Gujarat, respectively. With the beginning of 20<sup>th</sup> century, Pocock (1901) described seven species, *Lycosa fuscana*, *Lycosa goliathus*, *Lycosa iranii*, *Lycosa madani*, *Lycosa masteri*, *Lycosa pictula* and *Lycosa prolific* from Maharashtra. After two decades, Gravely (1924) described 16 species and recorded 5 more species of wolf spiders from different states of India. Again, after a decade, Reimoser (1934) described two species

[*Arctosa lesserti* Reimoser 1934, *Geolycosa carli* (Reimoser 1934)] and recorded two more species [*Pardosa vagula* (Thorell, 1890), *Pardosa pusiola* (Thorell, 1891)] from Tamil Nadu and Caporiacco (1935) described 7 species (*Acantholycosa baltoroi*, *Pardosa flavisterna*, *Pardosa hydaspis*, *Pardosa tridentis*, *Schizocosa concolor*, *Evippomma evippiforme*, *Hippasa flavicoma*) and recorded 4 species [*Trochosa terricola* (Thorell, 1856), *Pardosa condolens* (O. Pickard-Cambridge, 1885), *Pardosa stellata* (O. Pickard-Cambridge, 1885), *Pardosa vindicata* (O. Pickard-Cambridge, 1885)] from Jammu and Kashmir. Among the Indian authors, Sinha (1951) was the first to describe a species of Lycosidae, *Arctosa khudiensis* (Sinha, 1951) from Bihar. Later on, Sadana (1969), Tikader (1970, 1977 a, b), Tikader and Mukerji (1971), Tikader and Malhotra (1976, 1980), Biswas and Biswas (1992), Patel and Reddy (1993), Saha *et al.* (1994), Arora and Monga (1994) and Gajbe and Gajbe (1999) described several species of wolf spiders from different states and union territories of India. In the present century, 22 species were described from India, one species from Assam (Ahmed *et al.*, 2014), 2 species from Kerala (Malamel *et al.*, 2015, Kronestedt, 2017), 4 species from West Bengal (Majumder, 2004; Dhali *et al.*, 2012), 6 species from Chhattisgarh (Gajbe, 2004) and 9 species from Madhya Pradesh (Bhandari and Gajbe, 2001; Gajbe UA, 2004; Gajbe PU, 2004).

At present, 155 species belonging to 25 genera were described or recorded from India, out of which, 91 species (58.7%) were strictly endemic, i.e. recorded only in India. However, the Indian record is only 6.4% of the world Lycosidae fauna (2,428 species placed in 124 genera (WSC, 2021). All these spiders were distributed in all the Indian states except

Nagaland and two union territories, Dadra and Nagar Haveli and Daman and Diu, and Lakshadweep (Fig. 1). Eight species marked with † seem to be erroneous report or misidentification. Caleb and Sankaran (2021) enlisted only 130 species of Lycosidae described under 19 genera and the rest of the species recorded in India are either overlooked by them or are cases of misidentification. The distribution of one species, *Hogna irascibilis* (O. Pickard-Cambridge, 1885) was mentioned in Turkmenistan in World Spider Catalogue (2021), but Pickard-Cambridge (1885) mentioned its type locality in Leh (Ladakh).

Maximum of 76 species of these spiders were recorded from Maharashtra followed by 65 species from West Bengal, 57 species from Gujarat, 50 species from Uttarakhand, 39 species from Madhya Pradesh, 38 species from Kerala, 36 species from Karnataka, 33 species from Jammu and Kashmir and less than 30 species are recorded from other states (Fig. 1). No species of wolf spiders is recorded from Nagaland and Dadra and Nagar Haveli and Daman and Diu. Indeed, no survey was conducted in these regions and need extensive researches in these regions.

Out of 155 species of Lycosidae recorded from India, 6 species are widely distributed (in more than 15 states and union territories), viz. *Wadicosa fidelis* (O. Pickard-Cambridge, 1872) (25 states, 3 union territories), *Pardosa sumatrana* (Thorell, 1890) (23 states, 1 union territory), *Pardosa pseudoannulata* (Bösenberg and Strand, 1906) (19 states, 1 union territory), *Hippasa agelenoides* (Simon, 1884) (17 states, 1 union territory), *Hippasa greenalliae* (Blackwall, 1867) (16 states, 1 union territory), and *Lycosa tista* Tikader,

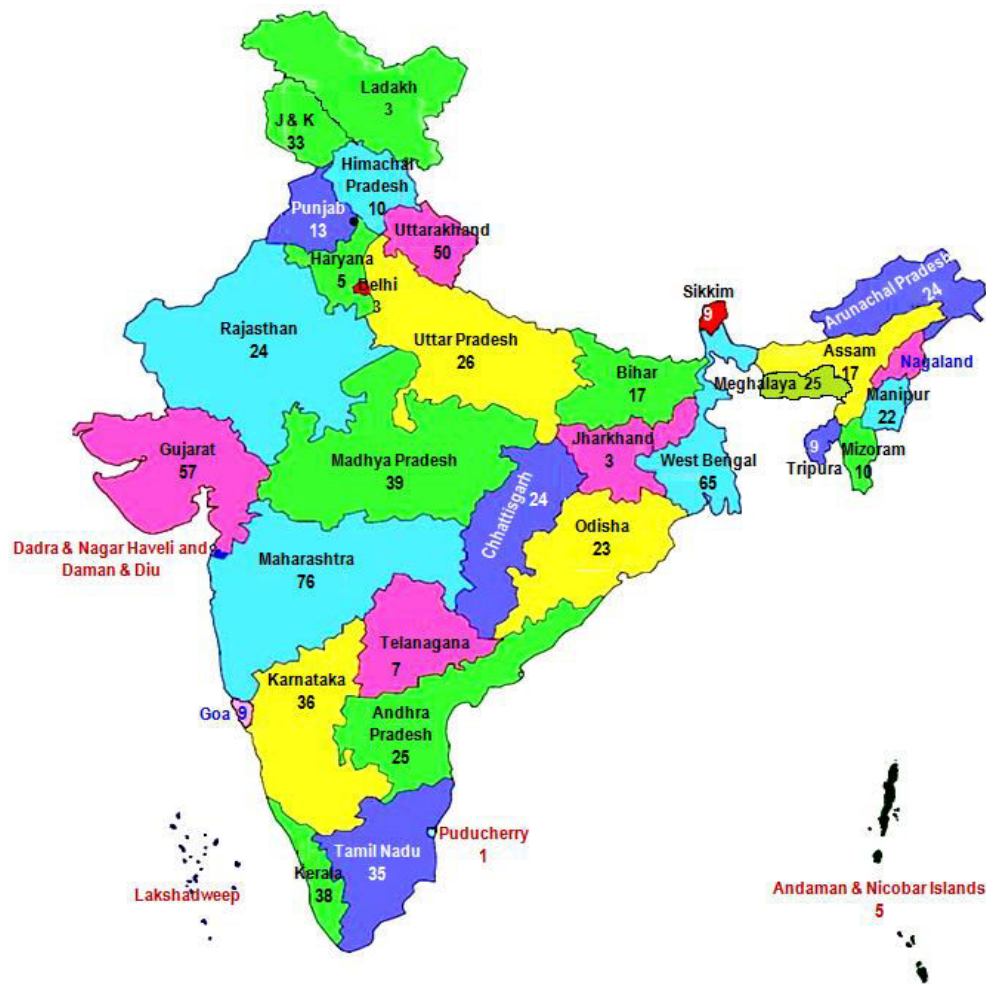


Figure 1: Number of species of wolf spiders (in Indian states and union territories)

1970 (16 states). About one-third of the species of Lycosidae reported from India are recorded only from one state or from the type locality. Hence, extensive faunistic surveys for these spiders are required.

Following is the detailed list of spiders distributed in Indian states and union territories and elsewhere:

### I. Checklist of wolf spiders (Lycosidae) in Indian States and Union Territories

#### 1. *Acantholycosa baltoroi* (Caporiacco, 1935)

Syn. *Pardosa baltoroi* Caporiacco, 1935

- Jammu and Kashmir (Caporiacco, 1935; Dhali *et al.*, 2016)

Elsewhere: China, Nepal

#### 2. *Acantholycosa lignaria* (Clerck, 1757)

- Maharashtra (Deshmukh and Tekade, 2019)

Elsewhere: China, Europe, Russia

#### 3. *Acantholycosa* sp.

- Gujarat (Parmar and Patel, 2015)

#### 4. *Agalenocosa subinermis* (Simon, 1897)\*

- Maharashtra (Dhali *et al.*, 2016)

#### 5. *Alopecosa* sp.

- Jammu and Kashmir (Punjoo and Bhat, 2015)

#### 6. *Anoteropsis hilaris* (L. Koch, 1877)†

Syn. *Lycosa hilaris* L. Koch, 1877

- Rajasthan (Kumari *et al.*, 2017)

Elsewhere: Newzealand

#### 7. *Arctosa himalayensis* Tikader and Malhotra, 1980\*

Syn. *Arctosa tappaensis* Gajbe, 2004 (Sankaran *et al.*, 2021)

- Chhattisgarh (Gajbe and Sharma, 1994; Kujur and Ekka, 2016)
- Jammu and Kashmir (Khan, 2006, 2011; Punjoo and Bhat, 2015)
- Madhya Pradesh (Gajbe and Singh, 1994; Gajbe P, 2004; Gajbe PU, 2004; Dhali *et al.*, 2016)
- Maharashtra (Rithe, 2012)
- Uttar Pradesh (Biswas and Biswas, 1992; Khan and Misra, 2003; Dhali *et al.*, 2016)
- Uttarakhand (Tikader and Malhotra, 1980)
- West Bengal (Tikader and Biswas, 1981; Biswas and Biswas, 1992; Majumder, 2004 a, 2005; Dhali *et al.*, 2012, 2016, 2017)

#### 8. *Arctosa indica* Tikader and Malhotra, 1980\*

Syn. *Arctosa indicus* Tikader and Malhotra, 1980

- Chhattisgarh (Kujur and Ekka, 2016)
- Gujarat (Parmar and Patel, 2015)
- Jammu and Kashmir (Khan, 2006)
- Madhya Pradesh (Gajbe P, 2003; Gajbe PU, 2004)

- Maharashtra (Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Rithe, 2012; Dhali *et al.*, 2016)

- Rajasthan (Malhotra *et al.*, 2019)

- Uttar Pradesh (Hore and Uniyal, 2008 a, b, c)

- Uttarakhand (Biswas and Biswas, 2010)

- West Bengal (Tikader and Biswas, 1981; Biswas and Biswas, 1992; Majumder, 2004 a, 2005; Talukdar and Majumder, 2008; Dhali *et al.*, 2012, 2016, 2017)

#### 9. *Arctosa khudiensis* (Sinha, 1951)

Syn. *Lycosa khudiensis* Sinha, 1951

- Bihar (Sinha, 1951; Tikader and Malhotra, 1980; Biswas and Majumder, 1995; Dhali *et al.*, 2016)

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

- Kerala (Mathew *et al.*, 2014)

- Meghalaya (Biswas and Majumder, 1995; Majumder, 2004 a, 2005)

- Uttarakhand (Uniyal and Hore, 2006)

- West Bengal (Biswas and Majumder, 1995; Majumder, 2004 a, 2005)

Elsewhere: China

#### 10. *Arctosa lesserti* Reimoser 1934\*

Syn. *Arctosa mulani* (Dyal, 1935), m.i. by Tikader and Malhotra 1980 (Sankaran *et al.*, 2021)

- Maharashtra (Tikader and Malhotra, 1980)

- Tamil Nadu (Reimoser, 1934; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017; Caleb and Karthikeyani, 2020)

#### 11. *Arctosa littoralis* (Hentz, 1844)†

- Maharashtra (Wankhade and Manwar, 2016)

Elsewhere: North and Central America

**12. *Arctosa mulani* (Dyal, 1935)**

- Gujarat (Yadav *et al.*, 2017)
- Maharashtra (Biswas and Majumder, 1995; More and Sawant, 2013; Dhali *et al.*, 2016; Lu *et al.*, 2016)
- Meghalaya (Biswas and Majumder, 1995; Majumder, 2004 a, 2005)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Majumder, 2004 a, 2005)

Elsewhere: Pakistan

**13. *Arctosa sandeshkhaliensis* Majumder, 2004\***

- Jammu and Kashmir (Khan, 2011; Punjoo and Bhat, 2015)
- Madhya Pradesh (Gajbe PU, 2004; Dhali *et al.*, 2016)
- Maharashtra (Rithe, 2012)
- West Bengal (Majumder, 2004 b, 2005; Dhali *et al.*, 2016)

**14. *Arctosa* sp.**

- Gujarat (Parmar *et al.*, 2015)
- Himachal Pradesh (Uniyal, 2006)
- Jammu and Kashmir (Khan, 2009; Khan and Rather, 2012)
- Karnataka (Nautiyal *et al.*, 2017)
- Odisha (Siliwal and Molur, 2008)
- Tamil Nadu (Sugumaran *et al.*, 2007)
- Uttar Pradesh (Hore and Uniyal, 2008 a, b, c)
- Uttarakhand (Gupta and Siliwal, 2012)

**15. *Crocodilosa leucostigma* (Simon, 1885)\***

Syn. *Lycosa leucostigma* Simon, 1885; *Hippasa leucostigma* (Simon, 1885)

- Bihar (Gravely, 1924)
- Karnataka (Simon, 1885 a)
- Kerala (Sunil Jose *et al.*, 2008; Dhali *et al.*, 2016)
- Maharashtra (Gravely, 1924)
- Odisha (Gravely, 1924)
- Tamil Nadu (Gravely, 1924; Dhali *et al.*, 2016)
- West Bengal (Gravely, 1924)

**16. *Crocodilosa maindroni* (Simon, 1897)\***

Syn. *Lycosa maindroni* Simon, 1897

- Maharashtra (Simon, 1897; Dhali *et al.*, 2016)

**17. *Draposa amkhasensis* (Tikader and Malhotra, 1976)\***

Syn. *Pardosa amkhasensis* Tikader and Malhotra, 1976

- Chhattisgarh (Kujur and Ekka, 2016)
- Kerala (Sebastian *et al.*, 2011)
- Madhya Pradesh (Tikader and Malhotra, 1976, 1980; Gajbe P, 2003; Gajbe UA, 2007; Dhali *et al.*, 2016)
- Mizoram (Chowdhury *et al.*, 2017)
- Tamil Nadu (Karthikeyani, 2013)
- West Bengal (Majumder, 2004 a; Sen *et al.*, 2015; Dhali *et al.*, 2012, 2016, 2017)

**18. *Draposa nicobarica* (Thorell, 1891)**

Syn. *Lycosa nicobarica* Thorell, 1891; *Pardosa nicobarica* (Thorell, 1891)

- Andaman and Nicobar Islands (Roewer, 1955; Kronstedt, 2010; Dhali *et al.*, 2016)

**19. *Draposa atropalpis* (Gravely, 1924)**

Syn. *Pardosa atropalpis* Gravely, 1924

- Andhra Pradesh (Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Majumder, 2004 a; Rao *et al.*, 2005)
- Bihar (Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2004; Majumder, 2004 a)
- Karnataka (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2004; Majumder, 2004 a)
- Kerala (Sudhikumar *et al.*, 2005 a; Sunil Jose *et al.*, 2008; Joseph and Premila, 2016)
- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)
- Odisha (Gravely, 1924; Tikader and Malhotra, 1980; Biswas, 1987; Biswas and Biswas, 1992; Biswas and Biswas, 2004; Majumder, 2004 a)
- Rajasthan (Kashmeera *et al.*, 2020)
- Tamil Nadu (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Biswas, 2004; Majumder, 2004 a; Kronestedt, 2010; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017; Caleb, 2020 a)
- Telangana (Rao *et al.*, 2005)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2004; Majumder, 2004 a)

Elsewhere: Sri Lanka

## **20. *Draposa burasantiensis* (Tikader and Malhotra, 1976)**

Syn. *Pardosa burasantiensis* Tikader and Malhotra, 1976

- Andhra Pradesh (Majumder, 2005)
- Bihar (Majumder, 2005)
- Karnataka (Majumder, 2005)

- Manipur (Kananbala *et al.*, 2018)
- Odisha (Majumder, 2005)
- Tamil Nadu (Majumder, 2005)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Tikader and Malhotra, 1976, 1980; Tikader and Biswas, 1981; Biswas and Biswas, 1992; Majumder, 2004 a, 2005; Dhali *et al.*, 2012, 2016, 2017)

Elsewhere: China

## **21. *Draposa lyrivulva* (Bösenberg and Strand, 1906)**

Syn. *Lycosa lyrivulva* Bösenberg and Strand, 1906; *Pardosa leucopalpis* Gravely, 1924

- Andhra Pradesh (Tikader and Malhotra, 1980; Majumder, 2004 a, 2005)
- Kerala (Tikader and Malhotra, 1980; Majumder, 2004 a, 2005)
- Maharashtra (More and Sawant, 2013)
- Odisha (Gravely, 1924; Tikader and Malhotra, 1980; Biswas, 1987; Majumder, 2004 a, 2005)
- Tamil Nadu (Gravely, 1924; Reimoser, 1934; Tikader and Malhotra, 1980; Kronestedt, 2010; Karthikeyani *et al.*, 2017; Caleb, 2020 b)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Tikader and Biswas, 1981; Biswas and Biswas, 1992; Majumder, 2004 a, 2005; Talukdar and Majumder, 2008)

Elsewhere: Maldives, Pakistan, Sri Lanka

## **22. *Draposa nicobarica* (Thorell, 1891)\***

Syn. *Lycosa nicobarica* Thorell 1891; *Pardosa nicobarica* (Thorell 1891)

- Andaman and Nicobar Islands (Thorell, 1891; Roewer, 1955; Kronestedt, 2010; Dhali *et al.*, 2016)

### **23. *Draposa oakleyi* (Gravely, 1924)**

Syn. *Pardosa oakleyi* Gravely 1924

- Arunachal Pradesh (Biswas and Biswas, 2006)
- Bihar (Gravely, 1924; Biswas and Biswas, 1992, 2006, 2007; Dhali *et al.*, 2016)
- Gujarat (Dhali *et al.*, 2016)
- Karnataka (Biswas and Biswas, 1992, 2006; Nautiyal *et al.*, 2017)
- Kerala (Patel, 2003a)
- Mizoram (Biswas and Biswas, 2007)
- Odisha (Choudhury *et al.*, 2019)
- Punjab (Biswas and Biswas, 1992, 2006, 2007; Kronestedt, 2010; Dhali *et al.*, 2016)
- Tamil Nadu (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2006; Kronestedt, 2010; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017)
- Uttarakhand (Biswas and Biswas 2010)
- West Bengal (Biswas and Biswas, 1992, 2006, 2007; Majumder, 2004 a, 2005)

Elsewhere: Bangladesh, Pakistan, United Arab Emirates

### **24. *Draposa porpaensis* (Gajbe, 2004)\***

Syn. *Pardosa porpaensis* Gajbe, 2004

- Chhattisgarh (Gajbe UA, 2004; Dhali *et al.*, 2016)

### **25. *Draposa subhadrae* (Patel and Reddy, 1993)**

Syn. *Pardosa subhadrae* Patel and Reddy, 1993

- Andhra Pradesh (Patel and Reddy, 1993; Dhali *et al.*, 2016)
- Maharashtra (More and Sawant, 2013)

Elsewhere: Sri Lanka

### **26. *Draposa* sp.**

- West Bengal (Saha *et al.*, 2017)

### **27. *Evippa banarensis* Tikader and Malhotra, 1980\***

- Gujarat (Patel and Vyas, 2001; Yadav *et al.*, 2017)
- Kerala (Adarsh and Nameer, 2016)
- Maharashtra (Rithe, 2012; More and Sawant, 2013)
- Meghalaya (Biswas and Majumder, 1995)
- Rajasthan (Tikader and Malhotra, 1980; Tikader, 1982; Biswas and Majumder, 1995; Dhali *et al.*, 2016; Jangid *et al.*, 2019)

### **28. *Evippa jabalpurensis* Gajbe, 2004\***

- Madhya Pradesh (Gajbe UA, 2004; Dhali *et al.*, 2016)
- Maharashtra (Rithe, 2012)

### **29. *Evippa mandlaensis* Gajbe, 2004\***

- Madhya Pradesh (Gajbe UA, 2004)
- Maharashtra (More and Sawant, 2013)

### **30. *Evippa praelongipes* (O. Pickard-Cambridge, 1871)**

- Assam (Tikader and Malhotra, 1980; Biswas and Majumder, 1995; Dhali *et al.*, 2016)
- Gujarat (Patel and Pillai, 1988; Tikader and Malhotra, 1980; Trivedi, 2009; Dhali *et al.*, 2016; Yadav *et al.*, 2017)
- Meghalaya (Biswas and Majumder, 1995)
- Punjab (Tikader and Malhotra, 1980; Biswas and Majumder, 1995; Dhali *et al.*, 2016)
- Rajasthan (Tikader and Malhotra, 1980; Biswas and Majumder, 1995; Dhali *et al.*, 2016; Kumari *et al.*, 2017)
- West Bengal (Biswas and Majumder, 1995)

Elsewhere: Egypt, Israel, Kazakistan, Libya, North Africa, Pakistan (?), Russia, Saudi Arabia, Transcaspia, Tripoli, Turkmenistan (?), Yemen

**31. *Evippa rajasthanea* Tikader and Malhotra, 1980\***

Syn. *Evippa rajasthanus* Tikader and Malhotra 1980

- Andhra Pradesh (Rao *et al.*, 2005)
- Gujarat (Patel and Pillai, 1988; Trivedi, 2009; Yadav *et al.*, 2017)
- Rajasthan (Tikader, 1982; Tikader and Malhotra, 1980; Dhali *et al.*, 2016)
- Uttarakhand (Uniyal and Hore, 2006)

**32. *Evippa rubiginosa* Simon, 1885\***

- Andhra Pradesh (Gravely, 1924; Tikader and Malhotra, 1980; Dhali *et al.*, 2016)
- Assam (Tikader and Malhotra, 1980; Dhali *et al.*, 2016)
- Gujarat (Patel and Vyas, 2001; Yadav *et al.*, 2017)
- Karnataka (Simon, 1885 a)
- Tamil Nadu (Tikader and Malhotra, 1980; Dhali *et al.*, 2016)

**33. *Evippa shivajii* Tikader and Malhotra, 1980\***

- Arunachal Pradesh (Biswas and Biswas, 2006)
- Gujarat (Yadav *et al.*, 2017)
- Maharashtra (Tikader and Malhotra, 1980; Biswas and Biswas, 2006; More and Sawant, 2013; Dhali *et al.*, 2016)

**34. *Evippa sohani* Tikader and Malhotra, 1980\***

- Gujarat (Patel and Pillai, 1988; Yadav *et al.*, 2017)
- Himachal Pradesh (Uniyal, 2006)

- Maharashtra (Tikader and Malhotra, 1980; Dhali *et al.*, 2016)

- Uttarakhand (Uniyal and Hore, 2006)

**35. *Evippa solanensis* Tikader and Malhotra, 1980\***

- Himachal Pradesh (Tikader and Malhotra, 1980; Dhali *et al.*, 2016)
- Uttar Pradesh (Uniyal and Hore, 2009)

**36. *Evippa* sp.**

- Gujarat (Siliwal *et al.*, 2003; Parmar *et al.*, 2015; Yadav *et al.*, 2017)
- Jammu and Kashmir (Khan, 2011)
- Kerala (Sunil Jose *et al.*, 2008)
- Odisha (Choudhury *et al.*, 2019)
- West Bengal (Ghosh *et al.*, 2018)

**37. *Evippomma evippiforme* (Caporiacco, 1935)\***

Syn. *Pardosa evippiformis* Caporiacco, 1935

- Jammu and Kashmir (Caporiacco, 1935; Dhali *et al.*, 2016)

**38. *Evippomma evippinum* (Simon, 1897)**

- Maharashtra (Dhali *et al.*, 2016)

Elsewhere: Pakistan

**39. *Geolycosa carli* (Reimoser, 1934)\***

Syn. *Hogna carli* Reimoser 1934

- Maharashtra (More and Sawant, 2013)
- Tamil Nadu (Reimoser, 1934; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017)

**40. *Geolycosa charitonovi* (Mcheidze, 1997)**

- Maharashtra (Phartale *et al.*, 2016)
- Elsewhere: Azerbaijan, Georgia, Russia

#### **41. *Geolycosa* sp.**

- Odisha (Palita, 2016)

#### **42. *Hippasa agelenoides* (Simon, 1884)**

Syn. *Hippasa greenalliae* (Blackwall 1867) in Simon 1885a; *Pirata agelenoides* Simon, 1884

- Andhra Pradesh (Bastawade and Borkar, 2008)
- Arunachal Pradesh (Biswas and Biswas, 2006; Sen *et al.*, 2015)
- Chhattisgarh (Gajbe and Sharma, 1994; Gajbe P, 2003; Kujur and Ekka, 2016)
- Goa (Bastawade and Borkar, 2008; Dhali *et al.*, 2016; Pandit and Pai, 2017)
- Gujarat (Parmar and Patel, 2015; Yadav *et al.*, 2017)
- Jammu and Kashmir (Punjoo and Bhat, 2015)
- Karnataka (Tikader and Malhotra, 1980; Biswas and Biswas, 2006; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Kerala (Tikader and Malhotra, 1980; Patel, 2003 a; Sudhikumar *et al.*, 2005 a; Biswas and Biswas, 2006; Sunil Jose *et al.*, 2008; Joseph and Premila, 2016)
- Madhya Pradesh (Gajbe UA, 1995, 2004; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Maharashtra (Tikader and Malhotra, 1980; Biswas and Biswas, 2006; More and Sawant, 2013; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Odisha (Panda *et al.*, 2011; Mohapatra *et al.*, 2014)
- Punjab (Kumari, 1983)

- Rajasthan (Chauhan *et al.*, 2009; Kumari *et al.*, 2017; Jangid *et al.*, 2019)

- Tamil Nadu (Sherriffs, 1919; Simon, 1885 a; Tikader and Malhotra, 1980; Biswas and Biswas, 2006; Bastawade and Borkar, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017)

- Telangana (Sailu *et al.*, 2017)

- Uttar Pradesh (Biswas and Biswas, 2006; Bastawade and Borkar, 2008; Sen *et al.*, 2015; Kumar *et al.*, 2017)

- Uttarakhand (Tikader and Malhotra, 1980; Biswas and Biswas, 2006; Bastawade and Borkar, 2008; Dhali *et al.*, 2016)

- West Bengal (Majumder and Talukdar, 2013; Sen *et al.*, 2015; Raychaudhuri *et al.*, 2016; Saha *et al.*, 2016; Dhali *et al.*, 2012, 2016, 2017)

Elsewhere: Myanmar, Pakistan, Taiwan

#### **43. *Hippasa charamaensis* Gajbe, 2004\***

- Madhya Pradesh (Gajbe PU, 2004; Dhali *et al.*, 2016)

- Maharashtra (Rithe, 2012)

#### **44. *Hippasa fabreae* Gajbe and Gajbe, 1999\***

- Madhya Pradesh (Gajbe and Gajbe, 1999 a; Gajbe P, 2003; Dhali *et al.*, 2016)

#### **45. *Hippasa flavicoma* Caporiacco, 1935\***

- Jammu and Kashmir (Caporiacco, 1935; Dhali *et al.*, 2016)

#### **46. *Hippasa greenalliae* (Blackwall, 1867)**

Syn. *Lycosa greenalliae* Blackwall, 1867; *Hippasa pantherina* Pocock, 1899

- Andhra Pradesh (Rao *et al.*, 2005; Sen *et al.*, 2015)

- Chhattisgarh (Gajbe P, 2003; Gajbe and Sharma, 1994; Kujur and Ekka, 2016)
- Goa (Pandit and Pai, 2017)
- Gujarat (Patel, 2003 b; Yadav *et al.*, 2017)
- Jammu and Kashmir (Sharma, 2014)
- Karnataka (Caleb, 2020 a; Tikader and Malhotra, 1980; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Kerala (Pocock, 1899, 1900; Tikader and Malhotra, 1980; Patel, 2003 a; Sudhikumar *et al.*, 2005 a; Sunil Jose *et al.*, 2008; Adarsh and Nameer, 2016; Dhali *et al.*, 2016)
- Madhya Pradesh (Gajbe P, 2003; Gajbe UA, 2004; Keswani, 2014; Dhali *et al.*, 2016)
- Maharashtra (Caleb, 2020 a; Tikader and Malhotra, 1980; More and Sawant, 2013; Dhali *et al.*, 2016)
- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)
- Odisha (Gravely, 1921; Tikader and Malhotra, 1980; Biswas, 1987; Biswas and Biswas, 2004; Panda *et al.*, 2011; Sen *et al.*, 2015; Palita, 2016; Dhali *et al.*, 2016)
- Sikkim (Tikader, 1970; Tikader and Malhotra, 1980; Biswas and Biswas, 2004; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Tamil Nadu (Simon, 1885 a; Sherriffs, 1919; Tikader and Malhotra, 1980; Sen *et al.*, 2015; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017; Caleb, 2020 a, b)
- Tripura (Dey *et al.*, 2013)
- Uttar Pradesh (Blackwall, 1867; Sen *et al.*, 2015)
- Uttarakhand (Biswas and Biswas, 2010; Quasin and Uniyal, 2013)

- West Bengal (Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Majumder, 2004 a, 2005; Dhali *et al.*, 2012, 2016, 2017; Majumder and Talukdar, 2013; Sen *et al.*, 2015; Raychaudhuri *et al.*, 2016; Saha *et al.*, 2016)

Elsewhere: Bangladesh, Sri Lanka

#### **47. *Hippasa hansae* Gajbe and Gajbe, 1999\***

- Chhattisgarh (Ekka and Kujur, 2015)
- Madhya Pradesh (Gajbe and Gajbe, 1999 a; Gajbe P, 2003; Gajbe PU, 2004; Patil, 2012; Dhali *et al.*, 2016)
- Maharashtra (Rithe, 2012; More and Sawant, 2013)

#### **48. *Hippasa haryanensis* Arora and Monga, 1994\***

- Haryana (Arora and Monga, 1994; Dhali *et al.*, 2016)
- Punjab (Singh and Mavi, 1984)

#### **49. *Hippasa himalayensis* Gravely 1924\***

- Assam (Saha *et al.*, 2016)
- Himachal Pradesh (Dhali *et al.*, 2016)
- Jammu and Kashmir (Sharma, 2014)
- Karnataka (Saha *et al.*, 2016)
- Kerala (Dhali *et al.*, 2016)
- Meghalaya (Gravely, 1924)
- Tamil Nadu (Tikader and Malhotra, 1980)
- Uttar Pradesh (Hore, 2009)
- West Bengal (Majumder and Talukdar, 2013; Raychaudhuri *et al.*, 2016; Dhali *et al.*, 2016; Saha *et al.*, 2016)

#### **50. *Hippasa holmerae* Thorell, 1895**

- Arunachal Pradesh (Biswas and Biswas, 2006)

- Gujarat (Thumar, 2019)
- Jammu and Kashmir (Khan, 2006)
- Karnataka (Deshpande and Paul, 2016)
- Kerala (Sebastian *et al.*, 2011; Joseph and Premila, 2016; Adarsh and Nameer, 2016)
- Maharashtra (More and Sawant, 2013; Deshmukh and Tekade, 2019)
- Manipur (Tikader and Biswas, 1981; Biswas and Biswas, 1992, 2006; Biswas and Majumder, 2000; Majumder, 2005; Dhali *et al.*, 2016)
- Tripura (Biswas and Majumder, 2000)
- Uttar Pradesh (Biswas and Biswas, 1992, 2006; Biswas and Majumder, 2000; Majumder, 2005; Sharma and Singh, 2018 a, b)
- Uttarakhand (Tikader and Malhotra, 1980; Biswas and Biswas, 2010; Dhali *et al.*, 2016)
- West Bengal (Tikader and Malhotra, 1980; Tikader and Biswas, 1981; Biswas and Biswas, 1992, 2006; Biswas and Majumder, 2000; Majumder, 2005; Talukdar and Majumder, 2008; Majumder and Talukdar, 2013; Dhali *et al.*, 2016)

Elsewhere: Bangladesh, China, Philippines, Taiwan

#### **51. *Hippasa loundesi* Gravely, 1924\***

- Gujarat (Prajapati *et al.*, 2016; Yadav *et al.*, 2017)
- Tamil Nadu (Gravely, 1924; Tikader and Malhotra, 1980; Karthikeyani, 2013; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017)
- Uttarakhand (Biswas and Biswas, 2010)

#### **52. *Hippasa lycosina* Pocock, 1900**

Syn. *Hippasa nilgiriensis* Gravely, 1924; *Hippasa mahabaleshwariensis* Tikader and Malhotra, 1980

- Delhi (Malik *et al.*, 2015)
- Gujarat (Patel, 2003 b; Siliwal *et al.*, 2003; Kumar and Shivakumar, 2004)
- Karnataka (Caleb, 2020 a)
- Kerala (Tikader and Malhotra, 1980; Patel, 2003 a; Sudhikumar *et al.*, 2005 a; Sunil Jose *et al.*, 2008; Dhali *et al.*, 2016)
- Maharashtra (Caleb, 2020 a; Tikader and Malhotra, 1980; Biswas and Majumder, 1995; Bastawade and Khandal, 2006; Dhali *et al.*, 2016)
- Manipur (Kananbala *et al.*, 2018)
- Meghalaya (Biswas and Majumder, 1995)
- Tamil Nadu (Gravely, 1924; Tikader and Malhotra, 1980; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017; Saranya *et al.*, 2019)
- Uttarakhand (Tikader and Malhotra, 1980; Bastawade and Khandal, 2006; Biswas and Biswas, 2010; Dhali *et al.*, 2016)

Elsewhere: China, Laos

#### **53. *Hippasa madhuae* Tikader and Malhotra, 1980\***

- Gujarat (Patel, 2003 b)
- Maharashtra (Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Bastawade, 2008 a; Rithe, 2012; More and Sawant, 2013; Dhali *et al.*, 2016)
- Rajasthan (Sen *et al.*, 2009; Kaur *et al.*, 2014; Lawania and Trigunayat, 2015; Saha *et al.*, 2015; Dhali *et al.*, 2016)
- West Bengal (Biswas and Biswas, 1992)

#### **54. *Hippasa madraspatana* Gravely, 1924\***

Syn. *Lycosa madraspatana* (Gravely, 1924), misnamed by Umarani and Umamaheswari, 2013

- Gujarat (Tikader and Malhotra, 1980; Sen *et al.*, 2015; Dhali *et al.*, 2016; Yadav *et al.*, 2017)
- Meghalaya (Biswas and Majumder, 1995)
- Tamil Nadu (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Majumder, 1995; Umarani and Umamaheswari, 2013; Sen *et al.*, 2015; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017; Caleb, 2020 a)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Sen *et al.*, 2015; Dhali *et al.*, 2012, 2016, 2017)

#### **55. *Hippasa olivacea* (Thorell, 1887)**

- Andhra Pradesh (Rao *et al.*, 2005)
- Goa (Dhali *et al.*, 2016)
- Gujarat (Yadav *et al.*, 2017)
- Karnataka (Bastawade and Borkar, 2008)
- Kerala (Sudhikumar *et al.*, 2005 a; Sunil Jose *et al.*, 2008)
- Madhya Pradesh (Gajbe P, 2003; Gajbe PU, 2004; Dhali *et al.*, 2016)
- Maharashtra (Bastawade, 2008 a; Bastawade and Borkar, 2008)
- Mizoram (Biswas and Biswas, 2007)
- Tamil Nadu (Bastawade and Borkar, 2008)
- Telangana (Rao *et al.*, 2005)
- Uttarakhand (Leardi, 1901; Bastawade and Borkar, 2008)
- West Bengal (Majumder, 2004 a, 2005; Bastawade and Borkar, 2008)

Elsewhere: Myanmar

#### **56. *Hippasa partita* (O. Pickard-Cambridge, 1876)**

- Arunachal Pradesh (Biswas and Biswas, 2006)
- Chhattisgarh (Gajbe P, 2003; Gajbe PU, 2004)
- Gujarat (Tikader and Malhotra, 1980; Patel, 2003 b; Dhali *et al.*, 2016; Yadav *et al.*, 2017)
- Madhya Pradesh (Gajbe UA, 1995; Gajbe P, 2003; Patil, 2012; Dhali *et al.*, 2016)
- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)
- Mizoram (Biswas and Biswas, 2007)
- Odisha (Majumder, 2005)
- Rajasthan (Tikader and Malhotra, 1980; Dhali *et al.*, 2016)
- Uttar Pradesh (Singh and Singh, 2014; Sharma and Singh, 2018 a, b)
- West Bengal (Biswas and Biswas, 1992, 2006; Saha *et al.*, 1994; Majumder, 2004 a, 2005; Dhali *et al.*, 2012; Majumder and Talukdar, 2013)

Elsewhere: Egypt, Bangladesh, Pakistan

#### **57. *Hippasa pisaurina* Pocock, 1900**

- Andhra Pradesh (Palem *et al.*, 2016)
- Bihar (Gravely, 1924; Tikader and Malhotra, 1980; Dhali *et al.*, 2016)
- Goa (Pandit and Pai, 2017)
- Gujarat (Tikader and Malhotra, 1980; Patel and Pillai, 1988; Patel and Vyas, 2001; Siliwal *et al.*, 2003; Bhatt, 2014; Dhali *et al.*, 2016; Yadav *et al.*, 2017; Yadav and Kumar, 2019)
- Karnataka (Caleb, 2020 a; Gravely, 1924; Tikader and Malhotra, 1980; Dhali *et al.*, 2016; Nautiyal *et al.*, 2017)

- Kerala (Patel, 2003 a; Adarsh and Nameer, 2015; Dhali *et al.*, 2016)
- Madhya Pradesh (Gajbe and Singh, 1994; Gajbe UA, 1995, 2004; Patil, 2012; Dhali *et al.*, 2016)
- Maharashtra (Caleb, 2020 a; Tikader, 1966; Tikader and Malhotra, 1980; Biswas and Biswas, 2004; Rithe, 2012; Dhali *et al.*, 2016)
- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)
- Rajasthan (Tikader, 1966; Chauhan *et al.*, 2009; Kaur *et al.*, 2014; Lawania and Trigunayat, 2015; Kumari *et al.*, 2017; Jangid *et al.*, 2019)
- Tamil Nadu (Umarani and Umamaheswari, 2013)
- Uttar Pradesh (Hore and Uniyal, 2008 a, b, c)
- Uttarakhand (Uniyal and Hore, 2006)
- West Bengal (Biswas and Biswas, 2004; Ghosh *et al.*, 2018)

Elsewhere: Bangladesh, Iraq, Pakistan

**58. *Hippasa valiveruensis* Patel and Reddy, 1993\***

- Andhra Pradesh (Patel and Reddy, 1993; Dhali *et al.*, 2016)

**59. *Hippasa wigglesworthi* Gajbe and Gajbe, 1999\***

- Madhya Pradesh (Gajbe and Gajbe, 1999 a; Gajbe P, 2003, Gajbe PU, 2004; Patil, 2012; Dhali *et al.*, 2016)

**60. *Hippasa* sp.**

- Assam (Chetia and Kalita, 2012; Das *et al.*, 2015)
- Chhattisgarh (Ekka and Kujur, 2015)

- Gujarat (Siliwal *et al.*, 2003; Parasharya and Pathan, 2013; Parmar *et al.*, 2015)
- Karnataka (Bhat *et al.*, 2013)
- Kerala (Sebastian *et al.*, 2005 a)
- Maharashtra (Nerlekar *et al.*, 2016)
- Meghalaya (Bhattacharya *et al.*, 2017)
- Mizoram (Chowdhury *et al.*, 2017)
- Odisha (Siliwal and Molur, 2008)
- Rajasthan (Chauhan *et al.*, 2009; Kumari *et al.*, 2017; Jangid *et al.*, 2019)
- Tamil Nadu (Kapoor, 2008)
- Uttar Pradesh (Hore and Uniyal, 2008,a, b)

**61. *Hogna himalayensis* (Gravely, 1924)**

Syn. *Lycosa himalayensis* Gravely, 1924

- Andhra Pradesh (Majumder, 2005)
- Assam (Biswas and Majumder, 1995; Biswas and Biswas, 2004; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Karnataka (Sen *et al.*, 2015)
- Kerala (Sen *et al.*, 2015)
- Maharashtra (Sen *et al.*, 2015)
- Manipur (Biswas and Biswas, 2004; Sen *et al.*, 2015)
- Meghalaya (Biswas and Majumder, 1995; Biswas and Biswas, 2004; Sen *et al.*, 2015)
- Tamil Nadu (Sen *et al.*, 2015)
- Uttar Pradesh (Sen *et al.*, 2015)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Majumder, 2004 a, 2005; Majumder and Talukdar, 2013; Sen *et al.*, 2015; Dhali *et al.*, 2012, 2016, 2017)

Elsewhere: Bhutan, China

**62. *Hogna irascibilis* (O. Pickard-Cambridge, 1885)\***

Syn. *Tarentula irascibilis* O. Pickard-Cambridge, 1885

- Ladakh (Pickard-Cambridge, 1885)

**63. *Hogna lenta* (Hentz, 1844)†**

- Odisha (Palita, 2016)

Elsewhere: USA

**64. *Hogna rubromandibulata* (O. Pickard-Cambridge, 1885)**

Syn. *Lycorma rubromandibulata* O. Pickard-Cambridge, 1885; *Trochosa rubromandibulata* (O. Pickard-Cambridge, 1885)

- Jammu and Kashmir (Pickard-Cambridge, 1885; Caporiacco, 1935; Dhali *et al.*, 2016)

Elsewhere: Pakistan

**65. *Hogna stictopyga* (Thorell, 1895)**

- Bihar (Gravely, 1924; Dhali *et al.*, 2016)
- Maharashtra (More and Sawant, 2013)
- Punjab (Dhali *et al.*, 2016)
- Uttarakhand (Leardi, 1901)
- West Bengal (Gravely, 1924; Dhali *et al.*, 2016)

Elsewhere: Myanmar, Singapore

**66. *Lycosa arambagensis* Biswas and Biswas, 1992\***

- West Bengal (Biswas and Biswas, 1992; Dhali *et al.*, 2016)

**67. *Lycosa balaramai* Patel and Reddy, 1993\***

- Andhra Pradesh (Patel and Reddy, 1993; Dhali *et al.*, 2016)

- Maharashtra (More and Sawant, 2013)

**68. *Lycosa barnesi* Gravely, 1924\***

- Kerala (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 2004; Dhali *et al.*, 2016; Adarsh and Nameer, 2016)

- Maharashtra (Rithe, 2012)

- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)

- Meghalaya (Biswas and Majumder, 1995; Biswas and Biswas, 2004)

- Tamil Nadu (Saranya *et al.*, 2019)

**69. *Lycosa bhatnagari* Sadana, 1969\***

- Maharashtra (Rithe, 2012; More and Sawant, 2013)

- Punjab (Sadana, 1969; Dhali *et al.*, 2016)

**70. *Lycosa bistriata* Gravely, 1924**

- Chhattisgarh (Kujur and Ekka, 2016)

- Arunachal Pradesh (Biswas and Biswas, 2006)

- Bihar (Gajbe PU, 2004)

- Gujarat (Patel, 2003 b)

- Karnataka (Gravely, 1924; Nautiyal *et al.*, 2017)

- Kerala (Adarsh and Nameer, 2016)

- Madhya Pradesh (Gajbe P, 2003; Sen *et al.*, 2015; Dhali *et al.*, 2016)

- Maharashtra (Rithe, 2012)

- Manipur (Kananbala *et al.*, 2018)

- Rajasthan (Jangid *et al.*, 2019)

- Tamil Nadu (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 2006; Sen *et al.*, 2015; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017; Caleb, 2020 a)

- West Bengal (Gravely, 1924; Sinha, 1951; Biswas and Biswas, 2006; Majumder and Talukdar, 2013; Sen *et al.*, 2015; Dhali *et al.*, 2012, 2016, 2017)

Elsewhere: Bhutan

#### **71. *Lycosa carmichaeli* Gravely, 1924\***

- Arunachal Pradesh (Biswas and Biswas, 2006)
- Assam (Gravely, 1924; Tikader, 1970; Tikader and Malhotra, 1980; Biswas and Biswas, 2006; Bastawade and Borkar, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Goa (Bastawade and Borkar, 2008; Dhali *et al.*, 2016)
- Jharkhand (Agrawal and Ghose, 1995)
- Kerala (Sudhikumar *et al.*, 2005 a; Joseph *et al.*, 2017)
- Meghalaya (Biswas and Biswas, 2006)
- Sikkim (Tikader, 1970)
- Uttar Pradesh (Gravely, 1924; Biswas and Biswas, 2006; Bastawade and Borkar, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Uttarakhand (Gravely, 1924; Tikader, 1970; Tikader and Malhotra, 1980; Bastawade and Borkar, 2008)
- West Bengal (Gravely, 1924; Tikader, 1970; Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2006; Bastawade and Borkar, 2008; Dhali *et al.*, 2012, 2016, 2017; Majumder and Talukdar, 2013; Sen *et al.*, 2015)

#### **72. *Lycosa chaperi* Simon, 1885**

- Andhra Pradesh (Tikader and Malhotra, 1980; Dhali *et al.*, 2016)
- Gujarat (Patel and Vyas, 2001; Yadav *et al.*, 2017)

- Karnataka (Simon, 1885 a)

- Punjab (Sadana, 1972; Tikader and Malhotra, 1980; Dhali *et al.*, 2016)

- Tamil Nadu (Pocock, 1900; Sherriffs, 1919; Karthikeyani *et al.*, 2017)

- Uttarakhand (Biswas and Biswas, 2010)

- West Bengal (Majumder, 2004 a, 2005)

Elsewhere: Pakistan

#### **73. *Lycosa choudhuryi* Tikader and Malhotra, 1980**

- Maharashtra (Rithe, 2012)

- West Bengal (Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Majumder, 2004 a, 2005; Talukdar and Majumder, 2008; Dhali *et al.*, 2016)

Elsewhere: China

#### **74. *Lycosa fuscana* Pocock, 1901\***

- Arunachal Pradesh (Biswas and Biswas, 2006)

- Maharashtra (Pocock, 1901; Tikader and Malhotra, 1980; Biswas and Biswas, 2006; More and Sawant, 2013; Dhali *et al.*, 2016)

- Uttarakhand (Biswas and Biswas, 2010)

#### **75. *Lycosa geotubalis* Tikader and Malhotra, 1980\***

- Gujarat (Tikader and Malhotra, 1980; Biswas and Majumder, 1995; Patel and Vyas, 2001; Patel, 2003 b; Parmar *et al.*, 2015; Dhali *et al.*, 2016; Yadav *et al.*, 2017)

- Jammu and Kashmir (Khan, 2006)

- Maharashtra (Tikader and Malhotra, 1980; Biswas and Majumder, 1995; More and Sawant, 2013; Dhali *et al.*, 2016)

- Meghalaya (Biswas and Majumder, 1995)

- Tamil Nadu (Ganesh Kumar and Velusamy, 1996)

**76. *Lycosa goliathus* Pocock, 1901\***

- Gujarat (Patel and Vyas, 2001; Yadav *et al.*, 2017)
- Maharashtra (Pocock, 1901; Tikader and Malhotra, 1980; Dhali *et al.*, 2016)

**77. *Lycosa grahmi* Fox, 1935†**

- Gujarat (Siliwal, 2000; Kumar and Shivakumar, 2006)

Elsewhere: China

**78. *Lycosa indagatrix* Walckenaer, 1837**

Syn. *Lycosa catula* Simon, 1885

- Andhra Pradesh (Gravely, 1924; Tikader and Malhotra, 1980; Rao *et al.*, 2005; Biswas and Biswas, 2006; Dhali *et al.*, 2016)
- Arunachal Pradesh (Biswas and Biswas, 2006)
- Karnataka (Simon, 1885 b; Pocock, 1900; Gravely, 1924; Reimoser, 1934)
- Maharashtra (More and Sawant, 2013)
- Puducherry (Simon, 1984, 1885 a; Pocock, 1900)
- Tamil Nadu (Walckenaer, 1837; Simon, 1885 b; Pocock, 1900; Sherriffs, 1919; Gravely, 1924; Reimoser, 1934; Tikader and Malhotra, 1980; Biswas and Biswas, 2006; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017; Caleb, 2020 a)
- West Bengal (Dhali *et al.*, 2012, 2016, 2017)

Elsewhere: Sri Lanka

**79. *Lycosa iranii* Pocock, 1901\***

- Arunachal Pradesh (Biswas and Biswas, 2006)

- Delhi (Malik *et al.*, 2015)

- Gujarat (Patel and Vyas, 2001; Parmar *et al.*, 2015; Yadav *et al.*, 2017)

- Maharashtra (Pocock, 1901; Tikader and Malhotra, 1980; Biswas and Majumder, 1995; Biswas and Biswas, 2006; Dhali *et al.*, 2016)

- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)

- Meghalaya (Biswas and Majumder, 1995; Biswas and Biswas, 2004, 2006)

- Odisha (Choudhury *et al.*, 2019)

- Uttarakhand (Biswas and Biswas, 2010)

**80. *Lycosa jagadalpurenensis* Gajbe, 2004\***

- Chhattisgarh (Gajbe UA, 2004; Kujur and Ekka, 2016)

- Madhya Pradesh (Dhali *et al.*, 2016)

- Maharashtra (Rithe, 2012)

**81. *Lycosa kempfi* Gravely, 1924**

- Andhra Pradesh (Rao *et al.*, 2005)
- Arunachal Pradesh (Biswas and Biswas, 2006; Dhali *et al.*, 2016)
- Assam (Sinha, 1951; Tikader, 1970; Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2006, 2006; Biswas and Majumder, 1995; Dhali *et al.*, 2016)
- Manipur (Biswas and Biswas, 2004; Dhali *et al.*, 2016; Kananbala *et al.*, 2018)
- Meghalaya (Biswas and Majumder, 1995; Biswas and Biswas, 2004, 2006; Dhali *et al.*, 2016)
- Sikkim (Tikader, 1970; Tikader and Malhotra, 1980; Biswas and Biswas 1992, 2004, 2006; Biswas and Majumder, 1995; Dhali *et al.*, 2016)

- West Bengal (Gravely, 1924; Sinha, 1951; Tikader, 1970; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Biswas and Biswas, 2004, 2006; Majumder, 2004 a, 2005; Talukdar and Majumder, 2008; Majumder and Talukdar, 2013; Dhali *et al.*, 2012, 2016, 2017)

Elsewhere: Bhutan, China, Pakistan

**82. *Lycosa lambai* Tikader and Malhotra, 1980\***

- Gujarat (Yadav *et al.*, 2017)
- Maharashtra (Tikader and Malhotra, 1980; Dhali *et al.*, 2016)
- Uttarakhand (Biswas and Biswas, 2010)

**83. *Lycosa mackenziei* Gravely, 1924**

- Assam (Singh *et al.*, 2012; Basumatary and Brahma, 2017)
- Bihar (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Gujarat (Bhatt, 2014; Yadav *et al.*, 2017)
- Haryana (Malik and Goyal, 2017)
- Jammu and Kashmir (Khan, 2006)
- Karnataka (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Sen *et al.*, 2015; Dhali *et al.*, 2016; Fernandes and Ganesh, 2020)
- Kerala (Mathew *et al.*, 2014; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Meghalaya (Bhattacharya *et al.*, 2017)
- Odisha (Panda *et al.*, 2011)
- Punjab (Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Sen *et al.*, 2015; Dhali *et al.*, 2016)

- Rajasthan (Lawania and Trigunayat, 2015; Jangid *et al.*, 2019)

- Tripura (Dey *et al.*, 2013)

- Uttar Pradesh (Singh and Singh, 2014; Sharma and Singh, 2018 a, b)

- West Bengal (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Majumder, 2004 a, 2005; Sen *et al.*, 2015; Dhali *et al.*, 2012, 2016, 2017; Ghosh *et al.*, 2018)

Elsewhere: Bangladesh, Pakistan

**84. *Lycosa madani* Pocock, 1901\***

- Andhra Pradesh (Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Arunachal Pradesh (Biswas and Biswas, 2006)
- Bihar (Biswas and Biswas, 2004; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Gujarat (Trivedi, 2009; Parasharya and Pathan, 2013; Yadav *et al.*, 2017)
- Karnataka (Biswas and Biswas, 2004; Sen *et al.*, 2015; Nautiyal *et al.*, 2017)
- Kerala (Patel, 2003 a; Biswas and Biswas, 2004; Sunil Jose *et al.*, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Madhya Pradesh (Gajbe and Singh, 1994)
- Maharashtra (Pocock, 1901; Tikader and Malhotra, 1980; Biswas and Biswas, 2004, 2006; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)
- Odisha (Biswas, 1987; Biswas and Biswas, 2004; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Rajasthan (Sivaperuman and Rathore, 2004)
- Uttarakhand (Biswas and Biswas, 2010)

- West Bengal (Sen *et al.*, 2015; Dhali *et al.*, 2016, 2017)

**85. *Lycosa mahabaleshwariensis* Tikader and Malhotra, 1980\***

- Goa (Bastawade and Borkar, 2008; Dhali *et al.*, 2016)
- Gujarat (Siliwal *et al.*, 2003; Yadav *et al.*, 2017)
- Jharkhand (Agrawal and Ghose, 1995)
- Maharashtra (Tikader and Malhotra, 1980; Bastawade and Borkar, 2008; Rithe, 2012; Dhali *et al.*, 2016)
- Tamil Nadu (Karthikeyani, 2013)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Majumder, 2004 a, 2005)

**86. *Lycosa masteri* Pocock, 1901\***

- Maharashtra (Pocock, 1901; Tikader and Malhotra, 1980; Dhali *et al.*, 2016)
- West Bengal (Majumder, 2004 a, 2005)

**87. *Lycosa moulmeinensis* Gravely 1924†**

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

Elsewhere: Myanmar

**88. *Lycosa nigrotibialis* Simon, 1884**

- Assam (Tikader and Malhotra, 1980; Biswas and Majumder, 1995, 2000; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Bihar (Tikader and Malhotra, 1980; Biswas and Majumder, 1995, 2000; Dhali *et al.*, 2016)
- Chhattisgarh (Gajbe and Sharma, 1994)
- Gujarat (Biswas and Majumder 1995, 2000; Dhali *et al.*, 2016; Yadav *et al.*, 2017)
- Himachal Pradesh (Tikader and Malhotra, 1980; Biswas and Majumder 1995, 2000; Dhali *et al.*, 2016)

- Karnataka (Strand, 1909)

- Madhya Pradesh (Gajbe P, 2003; Gajbe UA, 2007; Patil, 2012; Dhali *et al.*, 2016)

- Maharashtra (Tikader and Malhotra, 1980; Biswas and Majumder, 1995, 2000; Bastawade, 2008 a; Dhali *et al.*, 2016)

- Meghalaya (Biswas and Majumder, 1995)

- Sikkim (Tikader and Malhotra, 1980; Biswas and Majumder, 1995, 2000; Dhali *et al.*, 2016)

- Telangana (Rao *et al.*, 2005)

- Uttarakhand (Biswas and Biswas, 2010)

- West Bengal (Oppenheimer and Tikader, 1976)

Elsewhere: Bhutan, Myanmar

**89. *Lycosa phipsoni* Pocock, 1899**

- Assam (Dhali *et al.*, 2016)

- Goa (Bastawade and Borkar, 2008; Dhali *et al.*, 2016)

- Gujarat (Siliwal, 2000; Yadav *et al.*, 2017)

- Karnataka (Pocock, 1900; Strand, 1909)

- Kerala (Sumesh and Sudhikumar, 2020)

- Maharashtra (Pocock, 1899, 1900; Sinha, 1951; Tikader and Malhotra, 1980; Bastawade and Khandal, 2006; Bastawade and Borkar, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2016)

- Odisha (Sen *et al.*, 2015; Dhali *et al.*, 2016)

- Tripura (Biswas and Majumder, 2000)

- Uttarakhand (Biswas and Biswas, 2010)

- West Bengal (Tikader and Malhotra, 1980; Biswas and Majumder, 1995, 2000; Dhali *et al.*, 2012, 2016; Majumder and Talukdar, 2013; Sen *et al.*, 2015; Raychaudhuri *et al.*, 2016; Saha *et al.*, 2016, 2017)

Elsewhere: China, Taiwan

**90. *Lycosa pictula* Pocock, 1901\***

- Arunachal Pradesh (Biswas and Biswas, 2006)
- Gujarat (Siliwal, 2000; Patel and Vyas, 2001; Siliwal *et al.*, 2003; Kumar and Shivakumar, 2004)
- Karnataka (Nautiyal *et al.*, 2017)
- Maharashtra (Pocock, 1901; Tikader and Malhotra, 1980; Biswas and Biswas, 2006)
- Rajasthan (Lawania and Trigunayat, 2015; Jangid *et al.*, 2019)
- Uttar Pradesh (Anjali and Prakash, 2012; Lawania and Mathur, 2014)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Majumder, 2004 a, 2005)

**91. *Lycosa poonaensis* Tikader and Malhotra, 1980\***

- Andhra Pradesh (Palem *et al.*, 2016)
- Arunachal Pradesh (Biswas and Biswas, 2006)
- Chhattisgarh (Gajbe P, 2003; Gajbe and Sharma, 1994; Kujur and Ekka, 2016; Ekka and Kujur, 2015)
- Gujarat (Patel and Pillai, 1988; Patel and Vyas, 2001; Siliwal *et al.*, 2003; Parasharya and Pathan, 2013; Bhatt, 2014; Parmar and Patel, 2015; Yadav *et al.*, 2017)
- Kerala (Sebastian *et al.*, 2011)
- Madhya Pradesh (Gajbe UA, 1995; Keswani, 2014)
- Maharashtra (Tikader and Malhotra, 1980; Biswas and Biswas, 2006; Rithe, 2012; More and Sawant, 2013; Dhali *et al.*, 2016; Lu *et al.*, 2016)
- Mizoram (Chowdhury *et al.*, 2017)

- West Bengal (Majumder, 2004 a, 2005; Biswas and Biswas, 2006)

**92. *Lycosa prolifica* Pocock, 1901\***

- Arunachal Pradesh (Biswas and Biswas, 2006)
- Gujarat (Patel and Vyas, 2001; Patel, 2003 b; Yadav *et al.*, 2017)
- Karnataka (Nautiyal *et al.*, 2017)
- Maharashtra (Pocock, 1901; Tikader and Malhotra, 1980; Biswas and Biswas, 2006; Dhali *et al.*, 2016)
- Odisha (Choudhury *et al.*, 2019)
- Punjab (Tikader and Malhotra, 1980; Biswas and Biswas, 2006)
- Uttar Pradesh (Biswas and Biswas, 2006)
- Uttarakhand (Tikader and Malhotra, 1980; Biswas and Biswas, 2010)

**93. *Lycosa shahapuraensis* Gajbe, 2004\***

- Madhya Pradesh (Gajbe UA, 2004)
- Maharashtra (Rithe, 2012)

**94. *Lycosa shaktae* Bhandari and Gajbe, 2001\***

- Chhattisgarh (Kujur and Ekka, 2016; Ekka and Kujur, 2015)
- Madhya Pradesh (Bhandari and Gajbe, 2001; Gajbe P, 2003)
- Maharashtra (Rithe, 2012)

**95. *Lycosa shillongensis* Tikader and Malhotra, 1980\***

- Maharashtra (Meshram, 2011)
- Manipur (Biswas and Biswas, 2004; Sen *et al.*, 2015; Dhali *et al.*, 2016; Kananbala *et al.*, 2018)

- Meghalaya (Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2004; Biswas and Majumder, 1995; Majumder, 2005; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Mizoram (Biswas and Biswas, 2007)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Biswas and Biswas, 1992; Majumder, 2005; Dhali *et al.*, 2012, 2016, 2017; Sen *et al.*, 2015)

**96. *Lycosa thoracica* Patel and Reddy, 1993\***

- Andhra Pradesh (Patel and Reddy, 1993; Dhali *et al.*, 2016)
- Assam (Singh *et al.*, 2012)
- Maharashtra (More and Sawant, 2013)

**97. *Lycosa tista* Tikader, 1970**

- Arunachal Pradesh (Biswas and Biswas, 2006; Dhali *et al.*, 2016)
- Assam (Singh *et al.*, 2012; Singh and Borkotoki, 2014)
- Goa (Halarankar and Pai, 2018)
- Gujarat (Patel and Pillai, 1988; Siliwal *et al.*, 2003; Trivedi, 2009; Parmar and Patel, 2015; Parmar *et al.*, 2015; Yadav *et al.*, 2017)
- Karnataka (Mubeen and Basavarajappa, 2018; Fernandes and Ganesh, 2020)
- Kerala (Mathew *et al.*, 2014; Adarsh and Nameer, 2015, 2016; Dhali *et al.*, 2016; Rajeevan *et al.*, 2019)
- Madhya Pradesh (Patil *et al.*, 2013)
- Maharashtra (Lanka *et al.*, 2017)
- Manipur (Biswas and Biswas, 2004; Dhali *et al.*, 2016, 2017; Kananbala *et al.*, 2018)
- Mizoram (Chowdhury *et al.*, 2017)

• Rajasthan (Jangid *et al.*, 2019)

- Sikkim (Tikader, 1970; Tikader and Malhotra, 1980; Biswas and Biswas, 2004, 2006; Majumder, 2004 a, 2005)
- Tamil Nadu (Karthikeyani, 2013)
- Uttar Pradesh (Anjali and Prakash, 2012; Kumar *et al.*, 2017)
- Uttarakhand (Biswas and Biswas, 2010; Siddhu *et al.*, 2020)
- West Bengal (Majumder, 2004 a, 2005; Dhali *et al.*, 2012, 2016, 2017; Sengupta *et al.*, 2014)

Elsewhere: Bangladesh

**98. *Lycosa wroughtoni* Pocock, 1899\***

- Gujarat (Pocock, 1899, 1900; Tikader and Malhotra, 1980; Dhali *et al.*, 2016; Yadav *et al.*, 2017)
- Madhya Pradesh (Gajbe P, 2004)
- Punjab (Sadana, 1981)

**99. *Lycosa* sp.**

- Assam (Chetia and Kalita, 2012; Das *et al.*, 2015)
- Chhattisgarh (Mishra and Shrivastava, 2002)
- Gujarat (Patel and Vyas, 2001; Siliwal *et al.*, 2003; Parasharya and Pathan, 2013; Parmar and Patel, 2015; Parmar *et al.*, 2015; Yadav *et al.*, 2017)
- Jammu and Kashmir (Khan, 2009, 2011; Punjoo and Bhat, 2015)
- Karnataka (Nautiyal *et al.*, 2017; Mubeen and Basavarajappa, 2018; Kokilamani *et al.*, 2019)
- Kerala (Patel, 2003 a; Sebastian *et al.*, 2005 a, b; Sunil Jose *et al.*, 2008)
- Maharashtra (Nerlekar *et al.*, 2016)

- Rajasthan (Sivaperuman and Rathore, 2004; Chauhan *et al.*, 2009; Kumari *et al.*, 2017; Jangid *et al.*, 2019; Malhotra *et al.*, 2019)
- Tamil Nadu (Kapoor, 2008; Dharmaraj *et al.*, 2018)
- Telangana (Sailu *et al.*, 2017)
- Uttar Pradesh (Sharma and Singh, 2018 a)
- Uttarakhand (Pooja *et al.*, 2019)
- West Bengal (Ghosh *et al.*, 2018)

**100. *Lysania prolixa* Malamel *et al.*, 2015\***

Syn. *Lysania prolixus* Malamel *et al.*, 2015

- Kerala (Malamel *et al.*, 2015; Joseph *et al.*, 2017)

**101. *Margonia himalayensis* (Gravely, 1924)\***

Syn. *Venonia himalayensis* Gravely, 1924

- Gujarat (Biswas and Biswas, 2004; Yadav *et al.*, 2017)
- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)
- Meghalaya (Biswas and Majumder, 1995; Biswas and Biswas, 2004)
- West Bengal (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2004; Majumder and Talukdar, 2013; Dhali *et al.*, 2016)

**102. *Ocyale kalpiensis* Gajbe, 2004\***

- Madhya Pradesh (Gajbe UA, 2004)

**103. *Ocyale pilosa* (Roewer, 1960)**

Syn. *Ocyale atalanta* Audouin, 1826

- Bihar (Tikader and Malhotra, 1980; Biswas and Majumder, 1995, 2000; Dhali *et al.*, 2016)
- Meghalaya (Biswas and Majumder, 1995; Majumder, 2004 a, 2005)

- Odisha (Tikader and Malhotra, 1980; Biswas, 1987; Biswas and Majumder, 1995, 2000; Dhali *et al.*, 2016)

- Tripura (Biswas and Majumder, 2000)

- West Bengal (Majumder, 2004 a, 2005)

Elsewhere: Madagascar, Saudi Arabia, Senegal, Sudan, Turkey

**104. *Ovia procurva* (Yu and Song, 1988)**

Syn. *Pardosa procurva* Yu and Song, 1988

- Kerala (Sankaran *et al.*, 2017)

- West Bengal (Dhali *et al.*, 2012, 2016, 2017)

Elsewhere: China, Taiwan

**105. *Ovia quinquedens* (Dhali *et al.*, 2012)\***

Syn. *Arctosa quinquedens* Dhali *et al.*, 2012

- West Bengal (Dhali *et al.*, 2012, 2016, 2017; Sankaran *et al.*, 2021)

**106. *Pardosa algoides* Schenkel, 1963**

- Arunachal Pradesh (Biswas and Biswas, 2006)

- Jammu and Kashmir (Biswas and Biswas, 2006; Khan, 2011; Khan and Rather, 2012; Marusik *et al.*, 2014; Dhali *et al.*, 2016)

- Ladakh (Tikader, 1977 a; Tikader and Malhotra, 1980; Uniyal, 2006)

- Uttarakhand (Biswas and Biswas, 2010)

Elsewhere: Bangladesh, China, Pakistan

**107. *Pardosa alii* Tikader, 1977\***

- Gujarat (Parmar *et al.*, 2015)

- Jammu and Kashmir (Majumder, 2004 a, 2005; Dhali *et al.*, 2016)

- Ladakh (Tikader, 1977 a; Tikader and Malhotra, 1980)

- West Bengal (Majumder, 2004,a, 2005)

**108. *Pardosa altitudis* Tikader and Malhotra, 1980**

- Jammu and Kashmir (Khan, 2011; Khan and Rather, 2012)
- Karnataka (Nautiyal *et al.*, 2017)
- Madhya Pradesh (Patil *et al.*, 2013)
- Maharashtra (Rithe, 2012)
- Uttarakhand (Tikader and Malhotra, 1980; Dhali *et al.*, 2016)

Elsewhere: China

**109. *Pardosa balaghatensis* Gajbe, 2004\***

- Madhya Pradesh (Gajbe UA, 2004; Dhali *et al.*, 2016)
- Maharashtra (Rithe, 2012)

**110. *Pardosa bargaonensis* Gajbe, 2004\***

- Chhattisgarh (Gajbe UA, 2004; Dhali *et al.*, 2016)
- Maharashtra (Rithe, 2012)

**111. *Pardosa bastarensis* Gajbe, 2004\***

- Chhattisgarh (Gajbe UA, 2004; Dhali *et al.*, 2016)

**112. *Pardosa chambaensis* Tikader and Malhotra, 1976\***

- Himachal Pradesh (Tikader and Malhotra, 1976, 1980; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Kerala (Sumesh and Sudhikumar, 2020)
- West Bengal (Majumder, 2004 a, 2005; Sen *et al.*, 2015; Dhali *et al.*, 2012, 2016, 2017)

**113. *Pardosa condolens* (O. Pickard-Cambridge, 1885)**

- Jammu and Kashmir (Caporiacco, 1935)

Elsewhere: Central Asia, Iran

**114. *Pardosa debolinae* Majumder, 2004\***

- West Bengal (Majumder, 2004 c, 2005; Dhali *et al.*, 2016)

**115. *Pardosa duplicata* Saha *et al.*, 1994\***

- Maharashtra (Rithe, 2012)
- West Bengal (Saha *et al.*, 1994; Dhali *et al.*, 2012, 2016)

**116. *Pardosa flavisterna* Caporiacco, 1935\***

- Jammu and Kashmir (Caporiacco, 1935; Punjoo and Bhat, 2015; Dhali *et al.*, 2016)

**117. *Pardosa fletcheri* (Gravely, 1924)\***

Syn. *Lycosa fletcheri* Gravely, 1924; *Lycosa rothaka* Tikader, 1970)

- Gujarat (Patel and Pillai, 1988)
- Himachal Pradesh (Gravely, 1924; Tikader and Malhotra, 1980; Dhali *et al.*, 2016)

- Jammu and Kashmir (Sharma and Sharma, 1977; Khan, 2006)

- Punjab (Tikader and Malhotra, 1980; Dhali *et al.*, 2016)

- Sikkim (Tikader, 1970; Tikader and Malhotra, 1980; Dhali *et al.*, 2016)

- Uttar Pradesh (Dhali *et al.*, 2016)

- Uttarakhand (Tikader and Malhotra, 1980)

**118. *Pardosa fuscula* (Thorell, 1875)†**

- Jammu and Kashmir (Punjoo and Bhat, 2015)

Elsewhere: Canada, USA

**119. *Pardosa gopalai* Patel and Reddy, 1993\***

- Andhra Pradesh (Patel and Reddy, 1993; Dhali *et al.*, 2016)

**120. *Pardosa haupti* Song, 1995**

- Jammu and Kashmir (Marusik *et al.*, 2014; Dhali *et al.*, 2016)

Elsewhere: China

**121. *Pardosa heterophthalma* (Simon, 1898)**

- Andhra Pradesh (Majumder, 2005)
- Arunachal Pradesh (Biswas and Biswas, 2006)
- Gujarat (Siliwal, 2000; Yadav *et al.*, 2017)
- Meghalaya (Biswas and Majumder, 1995; Biswas and Biswas, 2006)
- Odisha (Majumder, 2005)
- Rajasthan (Sivaperuman and Rathore, 2004)
- Tamil Nadu (Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2006; Biswas and Majumder, 1995, 2000; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Tripura (Biswas and Majumder, 2000)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Biswas and Biswas, 1992, 2006; Biswas and Majumder, 1995; Majumder, 2004 a, 2005; Dhali *et al.*, 2012, 2016, 2017; Sen *et al.*, 2015; Raychaudhuri *et al.*, 2016; Saha *et al.*, 2016)

Elsewhere: Bangladesh, Indonesia

**122. *Pardosa hydaspis* Caporiacco, 1935\***

- Jammu and Kashmir (Caporiacco, 1935; Dhali *et al.*, 2016)

**123. *Pardosa jabalpurensis* Gajbe and Gajbe, 1999\***

- Chhattisgarh (Kujur and Ekka, 2016; Ekka and Kujur, 2015)
- Madhya Pradesh (Gajbe and Gajbe, 1999b; Gajbe P, 2003; Patil, 2012; Dhali *et al.*, 2016)
- Maharashtra (Rithe, 2012)

**124. *Pardosa kalpiensis* Gajbe, 2004\***

- Madhya Pradesh (Gajbe UA, 2004; Dhali *et al.*, 2016)

**125. *Pardosa kupupa* (Tikader, 1970)\***

Syn. *Lycosa kupupa* Tikader 1970

- Kerala (Sumesh and Sudhikumar, 2020)
- Sikkim (Tikader, 1970; Tikader and Malhotra, 1980; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Uttar Pradesh (Hore and Uniyal, 2008 a, b)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Majumder, 2004 a, 2005; Talukdar and Majumder, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2012, 2016)

Elsewhere: China

**126. *Pardosa minuta* Tikader and Malhotra, 1976**

- Gujarat (Kumar and Shivakumar, 2006; Yadav *et al.*, 2017)
- Himachal Pradesh (Tikader and Malhotra, 1976, 1980; Biswas and Biswas, 2004; Bastawade, 2008 b; Dhali *et al.*, 2016)
- Jammu and Kashmir (Thakur *et al.*, 1995)
- Kerala (Sebastian *et al.*, 2005 a, 2011)
- Maharashtra (Biswas and Majumder, 1995; Biswas and Biswas, 2004)
- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)
- Meghalaya (Biswas and Majumder, 1995; Biswas and Biswas, 2004)
- Uttar Pradesh (Hore and Uniyal, 2008 a, b)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Majumder, 2005)

Elsewhere: Bangladesh

**127. *Pardosa mukundi* Tikader and Malhotra, 1980\***

- Arunachal Pradesh (Biswas and Biswas, 2006)
- Chhattisgarh (Kujur and Ekka, 2016)
- Gujarat (Patel and Pillai, 1988; Siliwal, 2000; Kumar and Shivakumar, 2004; Prajapati *et al.*, 2016)
- Madhya Pradesh (Gajbe P, 2003, Gajbe PU, 2004)
- Maharashtra (Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2006; Meshram, 2011; Rithe, 2012; More and Sawant, 2013; Dhali *et al.*, 2016)
- Odisha (Choudhury *et al.*, 2019)
- Tamil Nadu (Umarani and Umamaheswari, 2013)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Biswas and Biswas, 1992, 2006)

**128. *Pardosa mysorensis* (Tikader and Mukerji, 1971)\***

Syn. *Lycosa mysorensis* Tikader and Mukerji, 1971

- Arunachal Pradesh (Biswas and Biswas, 2006)
- Gujarat (Yadav *et al.*, 2017)
- Karnataka (Tikader and Mukerji, 1971; Tikader and Malhotra, 1980; Biswas and Biswas, 2006; Dhali *et al.*, 2016)
- Kerala (Rajeevan *et al.*, 2019)
- West Bengal (Majumder, 2004 a, 2005; Nautiyal *et al.*, 2017)

**129. *Pardosa orcchaensis* Gajbe, 2004\***

- Chhattisgarh (Gajbe UA, 2004; Dhali *et al.*, 2016)

**130. *Pardosa oriens* (Chamberlin, 1924)**

- Madhya Pradesh (Keswani, 2014)
  - Maharashtra (Keswani and Vankhede, 2014)
- Elsewhere: China, Japan, Okinawa

**131. *Pardosa partita* Simon, 1885\***

- Karnataka (Simon, 1885 a; Dhali *et al.*, 2016)
- Madhya Pradesh (Gajbe and Singh, 1994)
- Maharashtra (Rithe, 2012; More and Sawant, 2013)
- Tamil Nadu (Hadole *et al.*, 2015; Dhali *et al.*, 2016)

**132. *Pardosa pseudoannulata* (Bösenberg and Strand, 1906)**

Syn. *Lycosa annandalei* Gravely, 1924; *Pardosa annandalei* (Gravely, 1924)

- Andhra Pradesh (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Majumder, 2004 a, 2005)
- Assam (Tikader, 1964; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Singh *et al.*, 2012; Singh and Borkotoki, 2014; Basumatary and Brahma, 2017)
- Bihar (Gravely, 1924; Tikader, 1964; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Yadav *et al.*, 2016)
- Gujarat (Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Patel and Vyas, 2001; Patel, 2003 b; Kumar and Shivakumar, 2004; Trivedi, 2009; Parasharya and Pathan, 2013; Parmar and Patel, 2015; Yadav *et al.*, 2017)

- Jammu and Kashmir (Thakur *et al.*, 1995; Khan, 2006)
- Karnataka (Gravely, 1924; Tikader, 1964; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Nautiyal *et al.*, 2017; Mubeen and Basavarajappa, 2018; Fernandes and Ganesh, 2020)
- Kerala (Gravely, 1924; Tikader, 1964; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Patel, 2003 a; Sudhikumar *et al.*, 2005 b; Sebastian *et al.*, 2005 a; Mathew *et al.*, 2014; Adarsh and Nameer, 2015, 2016; Dhali *et al.*, 2016)
- Madhya Pradesh (Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Gajbe and Singh, 1994; Biswas and Majumder, 1995; Gajbe UA, 1995, 2004; Patil, 2012; Keswani, 2014)
- Maharashtra (Gravely, 1924; Tikader, 1964; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Keswani and Vankhede, 2014; Nerlekar *et al.*, 2016)
- Manipur (Tikader and Malhotra, 1980; Majumder, 2004 a; Kananbala *et al.*, 2018)
- Meghalaya (Tikader, 1964; Biswas and Majumder, 1995)
- Mizoram (Chowdhury *et al.*, 2017)
- Odisha (Mohapatra *et al.*, 2014; Palita, 2016)
- Punjab (Tikader, 1964)
- Rajasthan (Lawania and Trigunayat, 2015; Jangid *et al.*, 2019; Malhotra *et al.*, 2019)
- Tamil Nadu (Gravely, 1924; Tikader, 1964; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Ganesh Kumar and Velusamy, 1996;

Majumder, 2004 a; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017; Dharmaraj *et al.*, 2018; Saranya *et al.*, 2019; Caleb, 2020 b)

- Telangana (Anitha and Vijay, 2016)
- Uttar Pradesh (Khan and Misra, 2003; Anjali and Prakash, 2012; Singh and Singh, 2014; Sharma and Singh, 2018 a, b)
- Uttarakhand (Quasin and Uniyal, 2011; Siddhu *et al.*, 2020)
- West Bengal (Gravely, 1924; Tikader, 1964; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Majumder, 2004 a, 2005; Dhali *et al.*, 2012, 2016, 2017; Majumder and Talukdar, 2013; Sengupta *et al.*, 2014)

Elsewhere: China, Indonesia, Japan, Korea, Laos, Pakistan, Philippines, Taiwan

### **133. *Pardosa pusiola* (Thorell, 1891)**

Syn. *Lycosa pusiola* Thorell 1891

- Arunachal Pradesh (Biswas and Biswas, 2006)
- Chhattisgarh (Ekka and Kujur, 2015)
- Gujarat (Kumar and Shivakumar, 2004)
- Gujarat (Yadav *et al.*, 2017)
- Karnataka (Nautiyal *et al.*, 2017)
- Madhya Pradesh (Patil *et al.*, 2013)
- Rajasthan (Sivaperuman and Rathore, 2004; Jangid *et al.*, 2019)
- Tamil Nadu (Reimoser, 1934)
- West Bengal (Tikader and Malhotra, 1980; Biswas and Biswas, 2006; Majumder and Talukdar, 2013; Sen *et al.*, 2015; Dhali *et al.*, 2012, 2016, 2017)

Elsewhere: Bangladesh, Bhutan, China,

Indonesia, Laos, Nepal, Malaysia, Myanmar, Sri

Lanka

**134. *Pardosa ranjani* Gajbe, 2004\***

- Chhattisgarh (Ekka and Kujur, 2015)
- Madhya Pradesh (Gajbe PU, 2004; Patil, 2012; Dhali *et al.*, 2016)
- Maharashtra (Rithe, 2012; More and Sawant, 2013)

**135. *Pardosa rhenockensis* (Tikader, 1970)\***

Syn. *Lycosa rhenockensis* Tikader, 1970

- Gujarat (Patel, 1971; Biswas and Biswas, 2007; Yadav *et al.*, 2017)
- Kerala (Dhali *et al.*, 2016)
- Madhya Pradesh (Patil *et al.*, 2013)
- Manipur (Kananbala *et al.*, 2018)
- Mizoram (Biswas and Biswas, 2007)
- Sikkim (Tikader, 1970; Tikader and Malhotra, 1980; Biswas and Biswas, 2007; Dhali *et al.*, 2016)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Majumder, 2004 a, 2005)

**136. *Pardosa shyamae* (Tikader, 1970)**

Syn. *Lycosa shyamae* Tikader, 1970

- Gujarat (Siliwal *et al.*, 2003; Bhatt, 2014; Yadav *et al.*, 2017)
- Karnataka (Nautiyal *et al.*, 2017)
- Kerala (Sudhikumar, 2007)
- Sikkim (Tikader, 1970)
- Uttarakhand (Biswas and Biswas, 2010; Pooja *et al.*, 2019)
- West Bengal (Tikader, 1970; Tikader and Malhotra, 1980; Biswas and Biswas, 1992;

Majumder, 2005; Majumder and Talukdar, 2013; Dhali *et al.*, 2016)

Elsewhere: Bangladesh, China

**137. *Pardosa songosa* Tikader and Malhotra, 1976\***

- Assam (Saha *et al.*, 2016)
- Karnataka (Nautiyal *et al.*, 2017)
- Rajasthan (Kaur *et al.*, 2014; Lawania and Trigunayat, 2015)
- Uttar Pradesh (Tikader and Malhotra, 1976, 1980; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Uttarakhand (Tikader and Malhotra, 1976, 1980; Dhali *et al.*, 2016; Gupta and Siliwal, 2012; Pooja *et al.*, 2019)
- West Bengal (Majumder, 2004 a, 2005; Sengupta *et al.*, 2014; Sen *et al.*, 2015; Raychaudhuri *et al.*, 2016; Dhali *et al.*, 2012, 2016, 2017; Saha *et al.*, 2016)

Elsewhere: Bangladesh, China

**138. *Pardosa stellata* (O. Pickard-Cambridge, 1885)**

- Jammu and Kashmir (Caporiacco, 1935)

Elsewhere: Central Asia, China,

**139. *Pardosa suchismitae* Majumder, 2004\***

- West Bengal (Majumder, 2004 b, c, 2005; Dhali *et al.*, 2016)

**140. *Pardosa sumatrana* (Thorell, 1890)**

Syn. *Lycosa sumatrana* Thorell, 1890

- Andaman and Nicobar Islands (Tikader, 1977 b; Bastawade and Khandal, 2006; Bastawade and Borkar, 2008)
- Andhra Pradesh (Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Rao *et al.*, 2005; Bastawade

and Borkar, 2008; Sen *et al.*, 2015; Palem *et al.*, 2016; Dhali *et al.*, 2016)

- Arunachal Pradesh (Tikader and Malhotra, 1980; Biswas and Majumder, 1995, 2000; Biswas and Biswas, 2004, 2006; Bastawade and Borkar, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Assam (Tikader, 1977 b; Singh *et al.*, 2012; Singh and Borkotoki, 2014; Dhali *et al.*, 2016)
- Bihar (Tikader, 1977 b; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 2000; Bastawade and Borkar, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2012, 2016, 2017)
- Chhattisgarh (Gajbe P, 2003; Gajbe and Sharma, 1994)
- Goa (Bastawade and Borkar, 2008; Dhali *et al.*, 2016)
- Gujarat (Tikader and Malhotra, 1980; Patel and Pillai, 1988; Biswas and Majumder, 1995, 2000; Siliwal, 2000; Patel and Vyas, 2001; Siliwal *et al.*, 2003; Patel, 2003 b; Kumar and Shivakumar, 2004; Parasharya and Pathan, 2013; Bhatt, 2014; Sen *et al.*, 2015; Yadav *et al.*, 2017; Dhali *et al.*, 2016)
- Haryana (Malik and Goyal, 2017)
- Himachal Pradesh (Tikader, 1977 b; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995, 2000; Bastawade and Borkar, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Karnataka (Tikader, 1977 b; Tikader and Malhotra, 1980; Biswas and Majumder, 1995; Bastawade and Borkar, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2016; Nautiyal *et al.*, 2017)
- Kerala (Tikader, 1977 b; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Sebastian *et al.*, 2005 a, b; Sudhikumar, 2007;

Sunil Jose *et al.*, 2008; Mathew *et al.*, 2014; Adarsh and Nameer, 2015, 2016; Dhali *et al.*, 2016)

- Madhya Pradesh (Tikader and Malhotra, 1980; Biswas and Majumder, 1995, 2000; Gajbe UA, 1995, 2004, 2007; Gajbe and Singh, 1994; Bastawade and Borkar, 2008; Patil, 2012; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Maharashtra (Tikader and Malhotra, 1980; Biswas and Majumder, 1995, 2000; Bastawade and Khandal, 2006; Bastawade and Borkar, 2008; Rithe, 2012; Dhali *et al.*, 2016)
- Manipur (Biswas and Biswas, 2004; Sen *et al.*, 2015; Kananbala *et al.*, 2018)
- Meghalaya (Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2004; Biswas and Majumder, 1995, 2000; Bastawade and Borkar, 2008; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Odisha (Choudhury *et al.*, 2019)
- Rajasthan (Tikader and Malhotra, 1980; Biswas and Majumder, 1995, 2000; Biswas and Biswas, 2004; Sivaperuman and Rathore, 2004; Chauhan *et al.*, 2009; Sen *et al.*, 2015; Dhali *et al.*, 2016; Kumari *et al.*, 2017)
- Tamil Nadu (Tikader, 1977 b; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Bastawade and Borkar, 2008; Umarani and Umamaheswari, 2013; Sen *et al.*, 2015; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017; Dharmaraj *et al.*, 2018)
- Telangana (Sailu *et al.*, 2017)
- Tripura (Tikader and Biswas, 1981; Biswas and Majumder, 1995; Biswas and Biswas, 2004; Majumder, 2004 a, 2005)
- Uttar Pradesh (Tikader, 1977b; Singh and Singh, 2014; Kumar *et al.*, 2017; Sharma and

Singh, 2018 a, b)

- Uttarakhand (Biswas and Biswas, 2010; Quasin and Uniyal, 2011; Siddhu *et al.*, 2020)
- West Bengal (Tikader, 1977 b; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Saha *et al.*, 1994; Biswas and Majumder, 1995, 2000; Majumder, 2004 a, 2005; Bastawade and Borkar, 2008; Majumder and Talukdar, 2013; Sen *et al.*, 2015; Dhali *et al.*, 2016, 2017)

Elsewhere: Bangladesh, Bhutan, China, Indonesia, Myanmar, Nepal, Philippines, Sri Lanka

**141. *Pardosa sutherlandi* (Gravely, 1924)**

Syn. *Lycosa sutherlandi* Gravely, 1924

- Gujarat (Yadav *et al.*, 2017)
- Jammu and Kashmir (Khan, 2006)
- Maharashtra (Rithe, 2012; Lu *et al.*, 2016)
- Meghalaya (Biswas and Majumder, 1995)
- Tripura (Biswas and Majumder, 2000)
- West Bengal (Gravely, 1924; Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995, 2000; Majumder, 2004 a, 2005; Majumder and Talukdar, 2013; Dhali *et al.*, 2016)

Elsewhere: Nepal

**142. *Pardosa tappaensis* Gajbe, 2004\***

- Chhattisgarh (Gajbe UA, 2004; Dhali *et al.*, 2016)

**143. *Pardosa thalassia* (Thorell, 1891)\***

Syn. *Lycosa thalassia* Thorell 1891

- Andaman and Nicobar Islands (Thorell, 1891; Dhali *et al.*, 2016)

**144. *Pardosa tikaderi* Arora and Monga, 1994\***

- Haryana (Arora and Monga, 1994; Dhali *et al.*, 2016)

**145. *Pardosa timidula* (Roewer, 1951)**

Syn. *Lycosa timida* Simon, 1882; *Pardosa timida* (Simon, 1882)

- Chhattisgarh (Kujur and Ekka, 2016)
- Gujarat (Yadav *et al.*, 2017)
- Maharashtra (Patil *et al.*, 2013)
- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)
- Uttar Pradesh (Hore, 2009; Uniyal and Hore, 2009)

Elsewhere: Pakistan, Sri Lanka, Yemen

**146. *Pardosa tridentis* Caporiacco, 1935**

Syn. *Lycosa tatensis* Tikader, 1964; *Pardosa tatensis* (Tikader, 1964)

- Arunachal Pradesh (Biswas and Biswas, 2006)
- Gujarat (Siliwal *et al.*, 2003; Yadav *et al.*, 2017)
- Jammu and Kashmir (Caporiacco, 1935; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Uttarakhand (Sen *et al.*, 2015; Dhali *et al.*, 2016)
- West Bengal (Dhali *et al.*, 2012, 2016, 2017; Sen *et al.*, 2015)

Elsewhere: Nepal

**147. *Pardosa vagula* (Thorell, 1890)**

Syn. *Lycosa vagula* Thorell, 1890

- Tamil Nadu (Reimoser, 1934)

Elsewhere: Indonesia

**148. *Pardosa vindicata* (O. Pickard-Cambridge, 1885)**

- Jammu and Kashmir (Caporiacco, 1935; Dhali *et al.*, 2016)

Elsewhere: China

**149. *Pardosa* sp.**

- Andhra Pradesh (Palem *et al.*, 2016)
- Arunachal Pradesh (Chetry and Moran, 2019)
- Assam (Das *et al.*, 2015; Basumatary and Brahma, 2017)
- Bihar (Priyadarshini *et al.*, 2015)
- Chhattisgarh (Mishra and Shrivastava, 2002; Ekka and Kujur, 2015)
- Goa (Pandit and Dharwadkar, 2020)
- Gujarat (Patel and Vyas, 2001; Parasharya and Pathan, 2013; Parmar *et al.*, 2015; Yadav *et al.*, 2017)
- Jammu and Kashmir (Khan, 2009; Punjoo and Bhat, 2015)
- Karnataka (Nautiyal *et al.*, 2017; Mubeen and Basavarajappa, 2018)
- Kerala (Patel, 2003 a; Sebastian *et al.*, 2005 a; Adarsh and Nameer, 2015; Dhali *et al.*, 2016)
- Rajasthan (Sivaperuman and Rathore, 2004; Chauhan *et al.*, 2009; Kumari *et al.*, 2017)
- Tamil Nadu (Kapoor, 2008)
- Tripura (Dey *et al.*, 2013)
- Uttar Pradesh (Hore and Uniyal, 2008 a, b; Lawania and Mathur, 2014; Sharma and Singh, 2018 a)
- Uttarakhand (Pooja *et al.*, 2019)

**150. *Pirata* sp.†**

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

**151. *Schizocosa concolor* (Caporiacco, 1935)\***

Syn. *Hogna concolor* Caporiacco, 1935

- Jammu and Kashmir (Caporiacco, 1935; Dhali *et al.*, 2016)

**152. *Schizocosa* sp.**

- Maharashtra (Keswani and Vankhede, 2014)

**153. *Shapna pluvialis* Hippa and Lehtinen, 1983\***

- Meghalaya (Hippa and Lehtinen, 1983; Dhali *et al.*, 2016)

**154. *Trochosa gunturensis* Patel and Reddy, 1993\***

- Andhra Pradesh (Patel and Reddy, 1993; Dhali *et al.*, 2016)
- Maharashtra (Rithe, 2012; More and Sawant, 2013)

**155. *Trochosa himalayensis* Tikader and Malhotra, 1980\***

- Uttar Pradesh (Hore and Uniyal, 2008 a, b)
- Uttarakhand (Tikader and Malhotra, 1980; Biswas and Biswas, 2010; Dhali *et al.*, 2016)

**156. *Trochosa propinqua* O. Pickard-Cambridge, 1885\***

- Jammu and Kashmir (Pickard-Cambridge, 1885; Caporiacco, 1935)

**157. *Trochosa punctipes* (Gravely, 1924)\***

Syn. *Crocodilosa punctipes* (Gravely, 1924); *Lycosa punctipes* Gravely, 1924

- Bihar (Gravely, 1924; Tikader, 1966; Majumder, 2004 a, 2005)
- Karnataka (Gravely, 1924; Tikader, 1966; Tikader and Malhotra, 1980; Majumder, 2004 a; Dhali *et al.*, 2016)

- Kerala (Sudhikumar, 2007; Mathew *et al.*, 2014)
- Maharashtra (Tikader, 1966)
- Rajasthan (Tikader, 1966)
- Tamil Nadu (Gravely, 1924; Karthikeyani *et al.*, 2017)
- Uttar Pradesh (Gravely, 1924; Tikader, 1966; Majumder, 2004 a, 2005)
- Uttarakhand (Biswas and Biswas, 2010)
- West Bengal (Gravely, 1924; Tikader, 1966; Majumder, 2004 a, 2005)

**158. *Trochosa terricola* Thorell, 1856**

Syn. *Trochosina terricola* (Simon, 1885)

- Jammu and Kashmir (Caporiacco, 1935)

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

**159. *Trochosa urbana* O. Pickard-Cambridge, 1876†**

Syn. *Geolycosa urbana* (O. Pichard-Cambridge, 1876)

- Assam (Chetia and Kalita, 2012; Dhali *et al.*, 2016)
- Maharashtra (Rithe, 2012)
- Rajasthan (Lawania and Trigunayat, 2015)
- Uttar Pradesh (Lawania and Mathur, 2014)

Elsewhere: Ethiopia, Iran, Israel, Madagascar, North Africa, Seychelles

**160. *Trochosa* sp.**

- Gujarat (Yadav *et al.*, 2017)
- Karnataka (Mubeen and Basavarajappa, 2018)
- Kerala (Adarsh and Nameer, 2015; Sumesh and Sudhikumar, 2020)

- Madhya Pradesh (Gajbe P, 2004)
- Uttar Pradesh (Hore and Uniyal, 2008 a, b)
- Uttarakhand (Uniyal *et al.*, 2011)

**161. *Wadicosa fidelis* (O. Pickard-Cambridge, 1872)**

Syn. *Lycosa birmanica* (Simon, 1844); *Pardosa bhatnagari* Sadana, 1971; *Pardosa birmanica* Simon, 1844 (m.i. by Tikader and Malhotra, 1980, Tikader and Biswas, 1981; Gajbe UA, 2007; Sen *et al.*, 2015 following Kronestedt, 2017); *Wadicosa bhatnagari* (Sadana, 1971)

- Andaman and Nicobar Islands (Tikader, 1977 b)
- Andhra Pradesh (Tikader and Malhotra, 1980; Biswas and Biswas, 1992; Biswas and Majumder, 1995; Rao *et al.*, 2005; Bastawade and Khandal, 2006; Biswas and Biswas, 2006; Palem *et al.*, 2016; Dhali *et al.*, 2016)
- Arunachal Pradesh (Biswas and Biswas, 2006)
- Assam (Tikader, 1977 b; Singh *et al.*, 2012; Singh and Borkotoki, 2014)
- Bihar (Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2004, 2006; Biswas and Majumder, 1995; Majumder, 2004 a; Bastawade and Khandal, 2006; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Chhattisgarh (Tikader and Biswas, 1981; Gajbe P, 2003; Gajbe and Sharma, 1994; Kujur and Ekka, 2016)
- Delhi (Malik *et al.*, 2015)
- Gujarat (Tikader and Malhotra, 1980; Patel and Pillai, 1988; Biswas and Majumder, 1995; Siliwal, 2000; Patel and Vyas, 2001; Patel, 2003 b; Biswas and Biswas, 2004, 2006; Kumar and Shivakumar, 2004, 2006; Trivedi, 2009; Parasharya and Pathan, 2013; Parmar

and Patel, 2015; Parmar *et al.*, 2015; Dhali *et al.*, 2016; Yadav *et al.*, 2017; Yadav and Kumar, 2019)

- Haryana (Malik and Goyal, 2017)
- Himachal Pradesh (Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2006; Biswas and Majumder, 1995; Bastawade and Khandal, 2006; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Jammu and Kashmir (Sharma and Sharma, 1977; Thakur *et al.*, 1995; Khan, 2006)
- Jharkhand (Tikader and Malhotra, 1980)
- Karnataka (Tikader, 1966; Biswas and Biswas, 1992, 2006; Nautiyal *et al.*, 2017; Fernandes and Ganesh, 2020)
- Kerala (Patel, 2003 a; Adarsh and Nameer, 2015; Sumesh and Sudhikumar, 2020)
- Madhya Pradesh (Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2004, 2006; Biswas and Majumder, 1995; Gajbe UA, 1995; Gajbe and Singh, 1994; Patil, 2012; Dhali *et al.*, 2016)
- Maharashtra (Tikader, 1966; Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2004, 2006; Biswas and Majumder, 1995; Bastawade and Khandal, 2006; Meshram, 2011; Rithe, 2012; More and Sawant, 2013; Keswani and Vankhede, 2014; Sen *et al.*, 2015; Dhali *et al.*, 2016; Lu *et al.*, 2016)
- Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)
- Meghalaya (Tikader and Malhotra, 1980; Biswas and Majumder, 1995; Majumder, 2004 a; Biswas and Biswas, 2006, 2007; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Mizoram (Biswas and Biswas, 2007)
- Odisha (Tikader, 1977 b; Tikader and Malhotra, 1980; Biswas, 1987; Biswas and

Biswas, 1992, 2004, 2006; Biswas and Majumder, 1995; Majumder, 2004 a; Bastawade and Khandal, 2006; Panda *et al.*, 2011; Sen *et al.*, 2015; Dhali *et al.*, 2016; Palita, 2016)

- Punjab (Tikader and Malhotra, 1980; Kumari, 1983; Biswas and Biswas, 1992, 2006; Biswas and Majumder, 1995; Bastawade and Khandal, 2006; Sen *et al.*, 2015; Dhali *et al.*, 2016)
- Rajasthan (Tikader, 1966; Tikader and Malhotra, 1980; Tikader and Biswas, 1981; Biswas and Biswas, 1992, 2004, 2006; Majumder, 2004 a; Sen *et al.*, 2015; Kaur *et al.*, 2014; Lawania and Trigunayat, 2015; Dhali *et al.*, 2016; Jangid *et al.*, 2019; Jangid *et al.*, 2019)
- Tamil Nadu (Tikader, 1977 b; Tikader and Malhotra, 1980; Biswas and Biswas, 1992, 2004, 2006; Biswas and Majumder, 1995; Majumder, 2004 a; Karthikeyani, 2013; Umarani and Umamaheswari, 2013; Sen *et al.*, 2015; Dhali *et al.*, 2016, 2017; Karthikeyani *et al.*, 2017; Saranya *et al.*, 2019; Caleb, 2020 b)
- Telangana (Rao *et al.*, 2005; Sailu *et al.*, 2017)
- Tripura (Sen *et al.*, 2015)
- Uttar Pradesh (Tikader, 1966; Biswas and Biswas, 1992, 2004, 2006; Biswas and Majumder, 1995; Khan and Misra, 2003; Hore and Uniyal, 2008 a, b, c; Anjali and Prakash, 2012; Lawania and Mathur, 2014; Singh and Singh, 2014; Dhali *et al.*, 2016; Sharma and Singh, 2018 a, b)
- Uttarakhand (Tikader and Malhotra, 1980; Biswas and Biswas, 2010; Gupta and Siliwal, 2012)
- West Bengal (Tikader, 1966; Tikader and

Malhotra, 1980; Biswas and Biswas, 1992, 2004, 2006; Biswas and Majumder, 1995; Majumder, 2004 a, 2005; Majumder and Talukdar, 2013; Dhali *et al.*, 2012, 2016, 2017; Sengupta *et al.*, 2014; Sen *et al.*, 2015)

Elsewhere: Bangladesh, Caucasus, Central Asia, Europe, Indonesia; Japan, Macaronesia, Middle East, North Africa, Pakistan, Philippines, Southern China

#### **162. *Wadicosa ghatica* Kronestedt, 2017\***

- Karnataka (Kronestedt, 2017)
- Kerala (Kronestedt, 2017)

#### **163. *Wadicosa prasantae* Ahmed *et al.*, 2014\***

- Assam (Ahmed *et al.*, 2014; Dhali *et al.*, 2016)

#### **164. *Wadicosa quadrifera* (Gravely, 1924)**

Syn. *Lycosa quadrifer* Gravely, 1924

- Karnataka (Gravely, 1924; Tikader and Malhotra, 1980; Dhali *et al.*, 2016)
- Kerala (Tikader and Malhotra, 1980; Kronestedt, 1993, 2017; Patel, 2003 a; Sunil Jose *et al.*, 2008; Adarsh and Nameer, 2016; Dhali *et al.*, 2016)
- Maharashtra (More and Sawant, 2013)
- Rajasthan (Malhotra *et al.*, 2019)
- Tamil Nadu (Gravely, 1924; Tikader and Malhotra, 1980; Dhali *et al.*, 2016; Karthikeyani *et al.*, 2017; Caleb, 2020 a)
- Uttarakhand (Biswas and Biswas, 2010)

Elsewhere: Sri Lanka

#### **165. *Zoica puellula* (Simon, 1898)**

Syn. *Flanona puellula* Simon, 1898

- Kerala (Sankaran and Sebastian, 2017)

- Maharashtra (More and Sawant, 2013)

- West Bengal (Majumder, 2004 a, 2005, 2007)

Elsewhere: Sri Lanka

## **II. Checklist of Wolf Spiders (*Lycosidae*) in Indian States**

- **Andhra Pradesh:** *Draposa atropalpis*, *Draposa burasantiensis*, *Draposa lyrivulva*, *Draposa subhadrae*, *Evippa rajasthanae*, *Evippa rubiginosa*, *Hippasa agelenoides*, *Hippasa greenalliae*, *Hippasa olivacea*, *Hippasa pisaurina*, *Hippasa valiveruensis*, *Hogna himalayensis*, *Lycosa balaramai*, *Lycosa chaperi*, *Lycosa indagatrix*, *Lycosa kempi*, *Lycosa madani*, *Lycosa poonaensis*, *Lycosa thoracica*, *Pardosa gopalai*, *Pardosa heterophthalma*, *Pardosa pseudoannulata*, *Pardosa sumatrana*, *Trochosa gunturensis*, *Wadicosa fidelis*

- **Arunachal Pradesh:** *Draposa oakleyi*, *Evippa shivajii*, *Hippasa agelenoides*, *Hippasa holmerae*, *Hippasa partita*, *Lycosa bistrata*, *Lycosa carmichaeli*, *Lycosa fuscana*, *Lycosa indagatrix*, *Lycosa iranii*, *Lycosa kempi*, *Lycosa madani*, *Lycosa pictula*, *Lycosa poonaensis*, *Lycosa prolifica*, *Lycosa tista*, *Pardosa algoides*, *Pardosa heterophthalma*, *Pardosa mukundi*, *Pardosa mysorensis*, *Pardosa pusiola*, *Pardosa sumatrana*, *Pardosa tridentis*, *Wadicosa fidelis*

- **Assam:** *Evippa praelongipes*, *Evippa rubiginosa*, *Hippasa himalayensis*, *Hogna himalayensis*, *Lycosa carmichaeli*, *Lycosa kempi*, *Lycosa mackenziei*, *Lycosa nigrotibialis*, *Lycosa phipsoni*, *Lycosa thoracica*, *Lycosa tista*, *Pardosa pseudoannulata*, *Pardosa songosa*, *Pardosa sumatrana*, *Trochosa urbana*, *Wadicosa fidelis*, *Wadicosa prasantae*

- **Bihar:** *Arctosa khudiensis*, *Crocodilosa leucostigma*, *Draposa atropalpis*, *Draposa*

*burasantiensis*, *Draposa oakleyi*, *Hippasa pisaurina*, *Hogna stictopyga*, *Lycosa bistrata*, *Lycosa mackenziei*, *Lycosa madani*, *Lycosa nigrotibialis*, *Ocyale pilosa*, *Pardosa pseudoannulata*, *Pardosa sumatrana*, *Pirata* sp., *Trochosa punctipes*, *Wadicosa fidelis*

• **Chhattisgarh:** *Arctosa himalayensis*, *Arctosa indica*, *Draposa amkhasensis*, *Draposa porpaensis*, *Hippasa agelenoides*, *Hippasa greenalliae*, *Hippasa hansae*, *Hippasa partita*, *Lycosa bistrata*, *Lycosa jagadlpurensis*, *Lycosa nigrotibialis*, *Lycosa poonaensis*, *Lycosa shaktae*, *Pardosa bargaonensis*, *Pardosa bastarensis*, *Pardosa jabalpurensis*, *Pardosa mukundi*, *Pardosa orcchaensis*, *Pardosa pusiola*, *Pardosa ranjani*, *Pardosa sumatrana*, *Pardosa tappaensis*, *Pardosa timidula*, *Wadicosa fidelis*

• **Goa:** *Hippasa agelenoides*, *Hippasa greenalliae*, *Hippasa olivacea*, *Hippasa pisaurina*, *Lycosa carmichaeli*, *Lycosa mahabaleshwarensis*, *Lycosa phipsoni*, *Lycosa tista*, *Pardosa sumatrana*

• **Gujarat:** *Acantholycosa* sp., *Arctosa indica*, *Arctosa khudiensis*, *Arctosa mulani*, *Draposa oakleyi*, *Evippa banarensis*, *Evippa praelongipes*, *Evippa rajasthanica*, *Evippa rubiginosa*, *Evippa shivajii*, *Evippa sohani*, *Hippasa agelenoides*, *Hippasa greenalliae*, *Hippasa holmerae*, *Hippasa loundesi*, *Hippasa lycosina*, *Hippasa madhuae*, *Hippasa madraspatana*, *Hippasa olivacea*, *Hippasa partita*, *Hippasa pisaurina*, *Lycosa bistrata*, *Lycosa chaperi*, *Lycosa geotubalis*, *Lycosa goliathus*, *Lycosa grahami*, *Lycosa iranii*, *Lycosa lambai*, *Lycosa mackenziei*, *Lycosa madani*, *Lycosa mahabaleshwarensis*, *Lycosa moulmeinensis*, *Lycosa nigrotibialis*, *Lycosa phipsoni*, *Lycosa pictula*, *Lycosa poonaensis*, *Lycosa prolifica*, *Lycosa tista*, *Lycosa*

*wroughtoni*, *Margonia himalayensis*, *Pardosa alii*, *Pardosa fletcheri*, *Pardosa heterophthalma*, *Pardosa minuta*, *Pardosa mukundi*, *Pardosa mysorensis*, *Pardosa pseudoannulata*, *Pardosa pusiola*, *Pardosa pusiola*, *Pardosa rhenockensis*, *Pardosa shyamae*, *Pardosa sumatrana*, *Pardosa sutherlandi*, *Pardosa timidula*, *Pardosa tridentis*, *Trochosa* sp., *Wadicosa fidelis*

• **Haryana:** *Hippasa haryanensis*, *Pardosa tikaderi*, *Lycosa mackenziei*, *Pardosa sumatrana*, *Wadicosa fidelis*

• **Himachal Pradesh:** *Arctosa* sp., *Evippa sohani*, *Evippa solanensis*, *Hippasa himalayensis*, *Lycosa nigrotibialis*, *Pardosa chambaensis*, *Pardosa fletcheri*, *Pardosa minuta*, *Pardosa sumatrana*, *Wadicosa fidelis*

• **Jharkhand:** *Lycosa carmichaeli*, *Lycosa mahabaleshwarensis*, *Wadicosa fidelis*

• **Karnataka:** *Arctosa* sp., *Crocodilosa leucostigma*, *Draposa atropalpis*, *Draposa burasantiensis*, *Draposa oakleyi*, *Evippa rubiginosa*, *Hippasa agelenoides*, *Hippasa greenalliae*, *Hippasa himalayensis*, *Hippasa holmerae*, *Hippasa lycosina*, *Hippasa olivacea*, *Hippasa pisaurina*, *Hogna himalayensis*, *Lycosa bistrata*, *Lycosa chaperi*, *Lycosa indagatrix*, *Lycosa mackenziei*, *Lycosa madani*, *Lycosa nigrotibialis*, *Lycosa phipsoni*, *Lycosa pictula*, *Lycosa prolifica*, *Lycosa tista*, *Pardosa altitudis*, *Pardosa mysorensis*, *Pardosa partita*, *Pardosa pseudoannulata*, *Pardosa pusiola*, *Pardosa shyamae*, *Pardosa songosa*, *Pardosa sumatrana*, *Trochosa punctipes*, *Wadicosa fidelis*, *Wadicosa ghatica*, *Wadicosa quadrifera*

• **Kerala:** *Arctosa khudiensis*, *Crocodilosa leucostigma*, *Draposa amkhasensis*, *Draposa atropalpis*, *Draposa lyrivulva*, *Draposa oakleyi*, *Evippa banarensis*, *Hippasa agelenoides*,

*Hippasa greenalliae*, *Hippasa himalayensis*, *Hippasa holmerae*, *Hippasa lycosina*, *Hippasa olivacea*, *Hippasa pisaurina*, *Hogna himalayensis*, *Lycosa barnesi*, *Lycosa bistrata*, *Lycosa carmichaeli*, *Lycosa mackenziei*, *Lycosa madani*, *Lycosa phipsoni*, *Lycosa poonaensis*, *Lycosa tista*, *Lysania prolixa*, *Ovia procurva*, *Pardosa chambaensis*, *Pardosa kupupa*, *Pardosa minuta*, *Pardosa mysorensis*, *Pardosa pseudoannulata*, *Pardosa rhenockensis*, *Pardosa shyamae*, *Pardosa sumatrana*, *Trochosa punctipes*, *Wadicosa fidelis*, *Wadicosa ghatica*, *Wadicosa quadrifera*, *Zoica puellula*

• **Madhya Pradesh:** *Arctosa himalayensis*, *Arctosa indica*, *Arctosa sandeshkhaliensis*, *Draposa amkhasensis*, *Evippa jabalpurensis*, *Evippa mandlaensis*, *Hippasa agelenoides*, *Hippasa charamaensis*, *Hippasa fabrae*, *Hippasa greenalliae*, *Hippasa hansae*, *Hippasa olivacea*, *Hippasa partita*, *Hippasa pisaurina*, *Hippasa wigglesworthi*, *Lycosa bistrata*, *Lycosa jagadalpurenensis*, *Lycosa madani*, *Lycosa nigrotibialis*, *Lycosa poonaensis*, *Lycosa shahapuraensis*, *Lycosa shaktae*, *Lycosa tista*, *Lycosa wroughtoni*, *Ocyale kalpiensis*, *Pardosa altitudis*, *Pardosa balaghatensis*, *Pardosa jabalpurensis*, *Pardosa kalpiensis*, *Pardosa mukundi*, *Pardosa oriens*, *Pardosa partita*, *Pardosa pseudoannulata*, *Pardosa pusiola*, *Pardosa ranjani*, *Pardosa rhenockensis*, *Pardosa sumatrana*, *Trochosa sp.*, *Wadicosa fidelis*

• **Maharashtra:** *Acantholycosa lignaria*, *Agalenocosa subinermis*, *Arctosa himalayensis*, *Arctosa indica*, *Arctosa lesserti*, *Arctosa littoralis*, *Arctosa mulani*, *Arctosa sandeshkhaliensis*, *Crocodylosa leucostigma*, *Crocodylosa maindroni*, *Draposa lyrivulva*, *Draposa subhadrae*, *Evippa banarensis*, *Evippa jabalpurensis*, *Evippa mandlaensis*, *Evippa shivajii*, *Evippa sohani*, *Evippomma evippinum*,

*Geolycosa carli*, *Geolycosa charitonovi*, *Hippasa agelenoides*, *Hippasa charamaensis*, *Hippasa greenalliae*, *Hippasa hansae*, *Hippasa holmerae*, *Hippasa lycosina*, *Hippasa madhuae*, *Hippasa olivacea*, *Hippasa pisaurina*, *Hogna himalayensis*, *Hogna stictopyga*, *Lycosa balaramai*, *Lycosa barnesi*, *Lycosa bhatnagari*, *Lycosa bistrata*, *Lycosa choudhuryi*, *Lycosa fuscana*, *Lycosa geotubalis*, *Lycosa goliathus*, *Lycosa indagatrix*, *Lycosa iranii*, *Lycosa jagadalpurenensis*, *Lycosa lambai*, *Lycosa madani*, *Lycosa mahabaleshwarensis*, *Lycosa masteri*, *Lycosa nigrotibialis*, *Lycosa phipsoni*, *Lycosa pictula*, *Lycosa poonaensis*, *Lycosa prolifica*, *Lycosa shahapuraensis*, *Lycosa shaktae*, *Lycosa shillongensis*, *Lycosa thoracica*, *Lycosa tista*, *Pardosa altitudis*, *Pardosa balaghatensis*, *Pardosa bargaonensis*, *Pardosa duplicata*, *Pardosa jabalpurensis*, *Pardosa minuta*, *Pardosa mukundi*, *Pardosa oriens*, *Pardosa partita*, *Pardosa pseudoannulata*, *Pardosa ranjani*, *Pardosa sumatrana*, *Pardosa sutherlandi*, *Pardosa timidula*, *Schizocosa sp.*, *Trochosa gunturensis*, *Trochosa punctipes*, *Trochosa urbana*, *Wadicosa fidelis*, *Wadicosa quadrifera*, *Zoica puellula*

• **Manipur:** *Draposa atropalpis*, *Draposa burasantiensis*, *Hippasa greenalliae*, *Hippasa holmerae*, *Hippasa lycosina*, *Hippasa partita*, *Hippasa pisaurina*, *Hogna himalayensis*, *Lycosa barnesi*, *Lycosa bistrata*, *Lycosa iranii*, *Lycosa kempi*, *Lycosa madani*, *Lycosa shillongensis*, *Lycosa tista*, *Margonia himalayensis*, *Pardosa minuta*, *Pardosa pseudoannulata*, *Pardosa rhenockensis*, *Pardosa sumatrana*, *Pardosa timidula*, *Wadicosa fidelis*

• **Meghalaya:** *Arctosa khudiensis*, *Arctosa mulani*, *Evippa banarensis*, *Evippa praelongipes*, *Hippasa himalayensis*, *Hippasa lycosina*, *Hippasa madraspatana*, *Hogna himalayensis*, *Lycosa barnesi*, *Lycosa*

*carmichaeli*, *Lycosa geotubalis*, *Lycosa iranii*, *Lycosa kempfi*, *Lycosa mackenziei*, *Lycosa nigrotibialis*, *Lycosa shillongensis*, *Margonia himalayensis*, *Ocyale pilosa*, *Pardosa heterophthalma*, *Pardosa minuta*, *Pardosa pseudoannulata*, *Pardosa sumatrana*, *Pardosa sutherlandi*, *Shapna pluvialis*, *Wadicosa fidelis*

• **Mizoram:** *Draposa amkhasensis*, *Draposa oakleyi*, *Hippasa olivacea*, *Hippasa partita*, *Lycosa poonaensis*, *Lycosa shillongensis*, *Lycosa tista*, *Pardosa pseudoannulata*, *Pardosa rhenockensis*, *Wadicosa fidelis*

• **Odisha:** *Arctosa* sp., *Crocodilosa leucostigma*, *Draposa atropalpis*, *Draposa burasantiensis*, *Draposa lyrivulva*, *Draposa oakleyi*, *Evippa* sp., *Geolycosa* sp., *Hippasa agelenoides*, *Hippasa greenalliae*, *Hippasa partita*, *Hogna lenta*, *Lycosa iranii*, *Lycosa mackenziei*, *Lycosa madani*, *Lycosa phipsoni*, *Lycosa prolifica*, *Ocyale pilosa*, *Pardosa heterophthalma*, *Pardosa mukundi*, *Pardosa pseudoannulata*, *Pardosa sumatrana*, *Wadicosa fidelis*

• **Punjab:** *Draposa oakleyi*, *Evippa praelongipes*, *Hippasa agelenoides*, *Hippasa haryanensis*, *Hogna stictopyga*, *Lycosa bhatnagari*, *Lycosa chaperi*, *Lycosa mackenziei*, *Lycosa prolifica*, *Lycosa wroughtoni*, *Pardosa fletcheri*, *Pardosa pseudoannulata*, *Wadicosa fidelis*

• **Rajasthan:** *Anoteropsis hilaris*, *Arctosa indica*, *Draposa atropalpis*, *Evippa banarensis*, *Evippa praelongipes*, *Evippa rajasthanica*, *Hippasa agelenoides*, *Hippasa madhuae*, *Hippasa partita*, *Hippasa pisaurina*, *Lycosa bistrata*, *Lycosa mackenziei*, *Lycosa madani*, *Lycosa pictula*, *Lycosa tista*, *Pardosa heterophthalma*, *Pardosa pseudoannulata*, *Pardosa pusiola*, *Pardosa songosa*, *Pardosa sumatrana*, *Trochosa punctipes*, *Trochosa urbana*, *Wadicosa fidelis*, *Wadicosa quadrifera*

• **Sikkim:** *Hippasa greenalliae*, *Lycosa carmichaeli*, *Lycosa kempfi*, *Lycosa nigrotibialis*, *Lycosa tista*, *Pardosa fletcheri*, *Pardosa kupupa*, *Pardosa rhenockensis*, *Pardosa shyamae*

• **Tamil Nadu:** *Arctosa lesserti*, *Crocodilosa leucostigma*, *Draposa amkhasensis*, *Draposa atropalpis*, *Draposa burasantiensis*, *Draposa lyrivulva*, *Draposa oakleyi*, *Evippa rubiginosa*, *Geolycosa carli*, *Hippasa agelenoides*, *Hippasa greenalliae*, *Hippasa himalayensis*, *Hippasa loundesi*, *Hippasa lycosina*, *Hippasa madraspatana*, *Hippasa olivacea*, *Hippasa pisaurina*, *Hogna himalayensis*, *Lycosa barnesi*, *Lycosa bistrata*, *Lycosa chaperi*, *Lycosa geotubalis*, *Lycosa indagatrix*, *Lycosa mahabaleshwariensis*, *Lycosa tista*, *Pardosa heterophthalma*, *Pardosa mukundi*, *Pardosa partita*, *Pardosa pseudoannulata*, *Pardosa pusiola*, *Pardosa sumatrana*, *Pardosa vagula*, *Trochosa punctipes*, *Wadicosa fidelis*, *Wadicosa quadrifera*

• **Telangana:** *Draposa atropalpis*, *Hippasa agelenoides*, *Hippasa olivacea*, *Lycosa nigrotibialis*, *Pardosa pseudoannulata*, *Pardosa sumatrana*, *Wadicosa fidelis*

• **Tripura:** *Hippasa greenalliae*, *Hippasa holmerae*, *Lycosa mackenziei*, *Lycosa phipsoni*, *Ocyale pilosa*, *Pardosa heterophthalma*, *Pardosa sumatrana*, *Pardosa sutherlandi*, *Wadicosa fidelis*

• **Uttar Pradesh:** *Arctosa himalayensis*, *Arctosa indica*, *Evippa solanensis*, *Hippasa agelenoides*, *Hippasa greenalliae*, *Hippasa himalayensis*, *Hippasa holmerae*, *Hippasa partita*, *Hippasa pisaurina*, *Hogna himalayensis*, *Lycosa carmichaeli*, *Lycosa mackenziei*, *Lycosa pictula*, *Lycosa prolifica*, *Lycosa tista*, *Pardosa fletcheri*, *Pardosa kupupa*, *Pardosa minuta*, *Pardosa*

*pseudoannulata*, *Pardosa songosa*, *Pardosa sumatrana*, *Pardosa timidula*, *Trochosa himalayensis*, *Trochosa punctipes*, *Trochosa urbana*, *Wadicosa fidelis*

• **Uttarakhand:** *Arctosa himalayensis*, *Arctosa indica*, *Arctosa khudiensis*, *Arctosa mulani*, *Draposa atropalpis*, *Draposa burasantiensis*, *Draposa lyrivulva*, *Draposa oakleyi*, *Evippa rajasthanica*, *Evippa sohani*, *Hippasa agele-noides*, *Hippasa greenalliae*, *Hippasa holmerae*, *Hippasa loundesi*, *Hippasa lycosina*, *Hippasa madraspatana*, *Hippasa olivacea*, *Hippasa pisaurina*, *Hogna himalayensis*, *Hogna stictopyga*, *Lycosa carmichaeli*, *Lycosa chaperi*, *Lycosa fuscana*, *Lycosa iranii*, *Lycosa lambai*, *Lycosa madani*, *Lycosa mahabaleshwarensis*, *Lycosa nigrotibialis*, *Lycosa phipsoni*, *Lycosa pictula*, *Lycosa prolifica*, *Lycosa shillongensis*, *Lycosa tista*, *Pardosa algoides*, *Pardosa altitudis*, *Pardosa fletcheri*, *Pardosa heterophthalma*, *Pardosa kupupa*, *Pardosa minuta*, *Pardosa mukundi*, *Pardosa pseudoannulata*, *Pardosa rhenockensis*, *Pardosa shyamae*, *Pardosa songosa*, *Pardosa sumatrana*, *Pardosa tridentis*, *Trochosa himalayensis*, *Trochosa punctipes*, *Wadicosa fidelis*, *Wadicosa quadrifera*

• **West Bengal:** *Arctosa himalayensis*, *Arctosa indica*, *Arctosa khudiensis*, *Arctosa mulani*, *Arctosa sandeshkhaliensis*, *Crocodylosa leucostigma*, *Draposa amkhasensis*, *Draposa atropalpis*, *Draposa burasantiensis*, *Draposa lyrivulva*, *Draposa oakleyi*, *Evippa praelongipes*, *Hippasa agelenoides*, *Hippasa greenalliae*, *Hippasa himalayensis*, *Hippasa holmerae*, *Hippasa madhuae*, *Hippasa madraspatana*, *Hippasa olivacea*, *Hippasa partita*, *Hippasa pisaurina*, *Hogna himalayensis*, *Hogna stictopyga*, *Lycosa arambagensis*, *Lycosa bistriata*, *Lycosa carmichaeli*, *Lycosa chaperi*, *Lycosa choudhuryi*, *Lycosa indagatrix*, *Lycosa*

*kempi*, *Lycosa mackenziei*, *Lycosa madani*, *Lycosa mahabaleshwarensis*, *Lycosa masteri*, *Lycosa nigrotibialis*, *Lycosa phipsoni*, *Lycosa pictula*, *Lycosa poonaensis*, *Lycosa shillongensis*, *Lycosa tista*, *Margonia himalayensis*, *Ocyale pilosa*, *Ovia procurva*, *Ovia quinquedens*, *Pardosa alii*, *Pardosa chambaensis*, *Pardosa debolinae*, *Pardosa duplicate*, *Pardosa heterophthalma*, *Pardosa kupupa*, *Pardosa minuta*, *Pardosa mukundi*, *Pardosa mysorensis*, *Pardosa pseudoannulata*, *Pardosa pusiola*, *Pardosa rhenockensis*, *Pardosa shyamae*, *Pardosa songosa*, *Pardosa suchismitae*, *Pardosa sumatrana*, *Pardosa sutherlandi*, *Pardosa tridentis*, *Trochosa punctipes*, *Wadicosa fidelis*, *Zoica puellula*

### III. Checklist of Wolf Spiders (Lycosidae) in Union Territories of India

• **Andaman & Nicobar Islands:** *Draposa nicobarica*, *Draposa nicobarica*, *Pardosa sumatrana*, *Pardosa thalassia*, *Wadicosa fidelis*

• **Delhi:** *Hippasa lycosina*, *Lycosa iranii*, *Wadicosa fidelis*

• **Jammu and Kashmir:** *Acantholycosa baltoroi*, *Alopecosa* sp., *Arctosa himalayensis*, *Arctosa indica*, *Arctosa sandeshkhaliensis*, *Evippa* sp., *Evippomma evippiforme*, *Hippasa agelenoides*, *Hippasa flavicoma*, *Hippasa greenalliae*, *Hippasa himalayensis*, *Hippasa holmerae*, *Hogna rubromandibulata*, *Lycosa geotubalis*, *Lycosa mackenziei*, *Pardosa algoides*, *Pardosa alii*, *Pardosa altitudis*, *Pardosa condolens*, *Pardosa flavisterna*, *Pardosa fletcheri*, *Pardosa fuscata*, *Pardosa haupti*, *Pardosa hydaspis*, *Pardosa minuta*, *Pardosa pseudoannulata*, *Pardosa stellata*, *Pardosa sutherlandi*, *Pardosa tridentis*, *Pardosa vindicata*, *Schizocosa concolor*, *Trochosa propinqua*, *Trochosa terricola*, *Wadicosa fidelis*

• **Ladakh:** *Hogna irascibilis*, *Pardosa algooides*, *Pardosa alii*

• **Puducherry:** *Lycosa indagatrix*

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