Article

Diversity of spiders (Chelicerata: Araneae) in Uttar Pradesh and Uttarakhand, India

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Abstract
An updated checklist of faunal biodiversity of the spiders, in two norther states of India, Uttar Pradesh and Uttarakhand is presented herewith. A total of 520 species of spiders described under 236 genera belonging to 50 families were recorded in both the states of north India. The biodiversity of spiders is more in Uttar Pradesh (284 species, 146 genera, 36 families) than Uttarakhand (373 species, 202 genera, 45 families). However, most of the areas in both the states are still virgin regarding the faunal survey programmes and need intensive and extensive survey in those areas by enthusiastic workers.

Keywords Uttar Pradesh; Uttarakhand; spiders; Araneae; checklist; faunal distribution.

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1 Introduction

Spiders (Arachnida: Araneae) are one of the most hatred chelicerate arthropods by the humans in spite of their significant role in keeping down the insect pest population in agriculture as they lavishly feed on insect pests. The position of order Araneae is seventh in global diversity of animals after the five largest insect orders (Coleoptera, Lepidoptera, Hymenoptera, Diptera, Hemiptera) and one arachnid order (Acari) in terms of species diversity (Sharma et al., 2020). The world spider catalog (WSC, 2021) took account of 49,783 species in 4234 genera belonging to 129 families. Out of them, only 1877 species belonging to 479 genera in 60 families are reported in India (Caleb and Sankaran, 2021), though in recent updates, 2344 species under 596 genera grouped into 65 families are recorded in India (Singh and Singh, 2021a). In this list, several species were considered cases of misidentification by the authors. However, there exist many species in the wild and museums that still await description and classification. Despite recent research works on the diversity and distribution of spiders in India, their number is insufficient as compared to the other parts of the world.

For the sustainable management and conservation of biodiversity of the animal species of any region of the world, their proper documentation is vital as it helps in monitoring the rate of loss of species. Preparation of checklist of species is an essential component of systematic documentation. Hence, in view of increasing

intensity of anthropogenic threats to biodiversity, a cataloguing and appropriate documentation of biodiversity, especially on ignored groups like spiders, is desirable immediately. So far, very few attempts were made to study the spider fauna of two north Indian states, Uttar Pradesh and Uttarakhand. For continuation of state fauna series of spiders of India (Singh and Singh, 2021b, c, d), in the present article the updated checklist of spider fauna of abovementioned two north Indian states is provided. Family-wise placement and the latest zoological names are mentioned according to WSC (2021).

2 Materials and Methods

The present checklist is based on the published literature on the spiders recorded from these two north Indian states, Uttar Pradesh and Uttarakhand, in recent past books, book chapters, journals, proceedings, few authentic theses, websites, and World Species Catalog (WSC, 2021) up to November 25, 2021. In most of the literature published earlier, several errors crept in the scientific names of the spiders even in the recent publications. It happens because such contents become outdated quickly and, due to their perceived comprehensiveness, readers sometimes overlook newer sources of data. The spider taxonomists are continually describing new taxa, modifying their status, and other nomenclatural decisions and clarifications (WSC, 2021; Singh and Singh, 2020). In the present checklist, the scientific names of the spiders are corrected following WSC (2021). If a spider species is identified only up to a generic level, it was considered as species only if no other species of that genus is reported within that state. In few cases, the locations of spider species are corrected, particularly of those spiders that were described/recorded during the British period and even after the independence of India (1947) till the carving of Uttarakhand from Uttar Pradesh. For their synonymy, WSC (2021) may be consulted.

3 Results and Discussion

A total of 520 species of spiders were reported from these two northern states out of which 113 species were recorded in both states. A total of 284 species of spiders belonging to 146 genera and 36 families were reported from Uttar Pradesh while 373 species of spiders described under 202 genera belonging to 45 families were recorded from Uttarakhand. Four families of spiders (Barychelidae, Desidae, Ischnothelidae, Stenochilidae) recorded in Uttar Pradesh were not reported from Uttarakhand. Similarly, 13 families of spiders (Anyphaenidae, Atypidae, Cybaeidae, Filistatidae, Idiopidae, Mimetidae, Nesticidae, Oecobiidae, Palpimanidae, Pimoidae, Psechridae, Segestriidae, Trochanteriidae) recorded from Uttarakhand were not reported from Uttar Pradesh. However, most of the areas in both states are still virgin regarding the faunal survey programmes and need an intensive and extensive survey programmes in those areas by enthusiastic workers.

3.1 Uttar Pradesh

Uttar Pradesh (Coordinates: 26.8467° N, 80.9462° E) is one of the largest north Indian states and was created in 1937 as United Province and renamed Uttar Pradesh in 1950. In 2000, a new state Uttarakhand (previously Uttaranchal) was carved from the Himalayan hill region of the state. Uttar Pradesh is presently divided into 75 districts (Table 1, Fig. 1). Uttar Pradesh is bordered by Bihar to the east, Rajasthan to the west, Haryana, Himachal Pradesh and Delhi to the northwest, Uttarakhand and Nepal to the north, Madhya Pradesh and Chhattisgarh to the south, and Jharkhand to the southeast (Fig. 1). Uttar Pradesh is the fourth-largest state of India by area (243,290 km^2). The state is inundated by several rivers, prominently two rivers, the Ganges and Yamuna, other prominent rivers are Betwa, Gomti, Rapti and Saryu (Ghaghra). North of the state is bordered by the Himalayas having high mountains, but the larger areas are Gangetic Plain including the Ganga-Yamuna Doab, the Ghaghra plains, the Ganges plains and the Terai. In the south, there is a smaller

Vindhya Range and plateau region characterized by hard rock strata and varied topography of hills, plains, valleys and plateaus. The Terai area is covered with tall elephant grass and thick forests mixed with marshes and swamps. The forest cover is only 6.9% while the cultivable area is 82%. The flora and fauna of the northern belt of Uttar Pradesh is highly rich as compared with the southern part. Summers are extreme with temperatures fluctuating anywhere between 0 °C and 50 °C in parts of the state along with dry hot winds. The Gangetic plain varies from semiarid to sub-humid and the mean annual rainfall ranges from 65 cm in the southwest corner of the state to 100 cm in the eastern and the southeastern parts of the state.

Table 1 Number of species of spiders recorded in different districts of Uttar Pradesh.

Code	Districts	No. of species	Code	Districts	No. of species	Code	Districts	No. of species
AG	Agra	93	FR	Farrukhabad	1	MG	Maharajganj	61
AL	Aligarh	0	FT	Fatehpur	0	MH	Mahoba	0
AM	Amethi	0	GB	G. Buddha Nagar	1	MI	Mirzapur	2
AN	Ambedkar Nagar	0	GN	Gonda	61	MO	Moradabad	0
AR	Amroha	1	GP	Ghazipur	1	MP	Mainpuri	0
AU	Auraiya	0	GR	Gorakhpur	57	MT	Mathura	63
AY	Ayodhya	3	GZ	Ghaziabad	0	MU	Muzaffarnagar	0
AZ	Azamgarh	20	HA	Hapur	0	PG	Prayagraj	9
BB	Barabanki	1	HM	Hamirpur	0	PI	Pilibhit	0
BD	Badaun	0	HR	Hardoi	0	PR	Pratapgarh	0
BG	Bagpat	0	HT	Hathras	0	RA	Rampur	0
BH	Bahraich	0	JH	Jhansi	0	RB	Rae Bareli	0
BI	Bijnor	2	JL	Jalaun	0	SA	Saharanpur	9
BL	Ballia	1	JU	Jaunpur	11	SH	Shamli	0
BN	Banda	0	KD	Kanpur Dehat	2	SI	Sitapur	0
BP	Balrampur	0	KG	Kasganj	0	SJ	Shahjahanpur	1
BR	Bareilly	1	KJ	Kannauj	0	SK	St. Kabir Nagar	0
BS	Basti	0	KN	Kanpur Nagar	7	SM	Sambhal	3
BU	Bulandshahr	0	KS	Kaushambi	0	SN	Siddharthnagar	61
CD	Chandauli	12	KU	Kushinagar	57	SO	Sonbhadra	0
CT	Chitrakoot	1	LA	Lalitpur	0	SR	St. Ravidas Nagar	0
DE	Deoria	42	LK	Lakhimpur Kheri	178	SU	Sultanpur	0
ET	Etah	0	LU	Lucknow	61	SV	Shravasti	0
EW	Etawah	0	MB	Mau	4	UN	Unnao	49
FI	Firozabad	0	ME	Meerut	4	VA	Varanasi	28

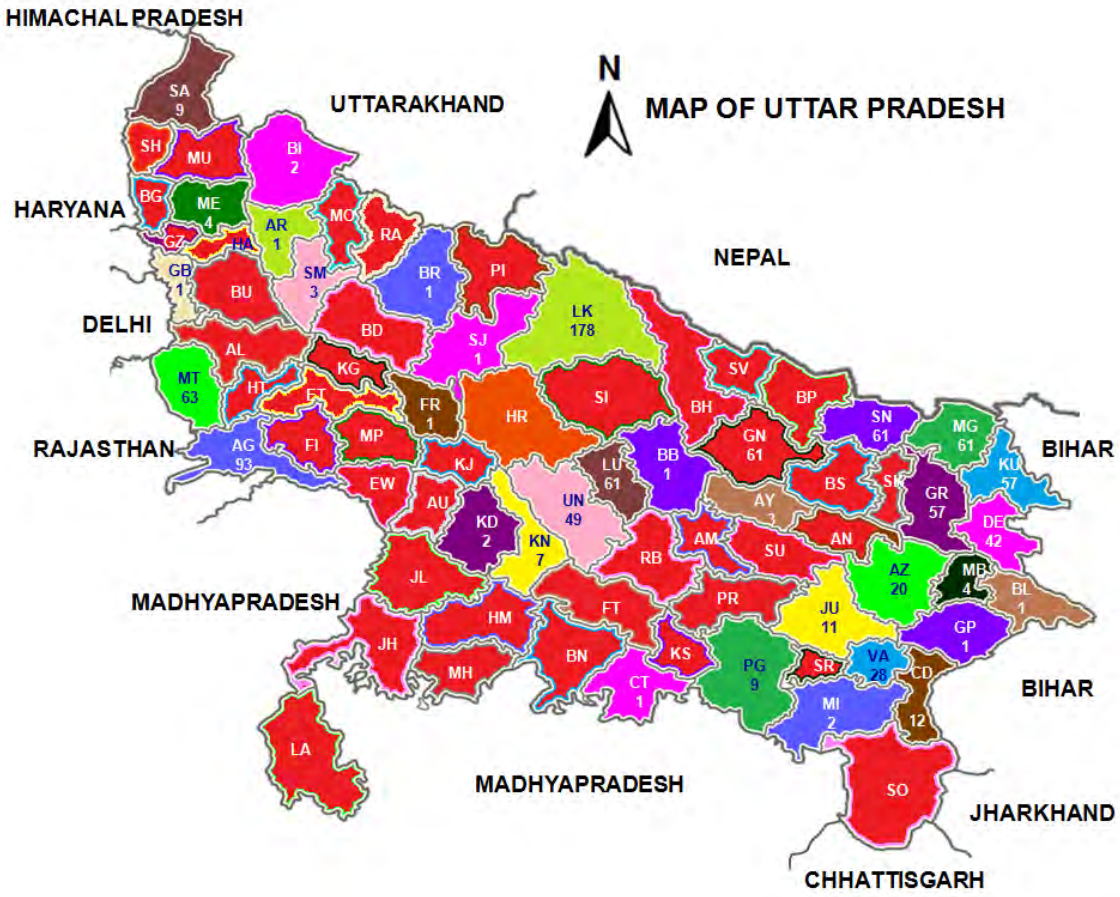

Fig. 1 Number of species of spiders described/recorded from different districts of Uttar Pradesh. District codes are given in Table 1.

Regarding the records of spiders in Uttar Pradesh, Blackwall (1867) was probably the first who had described three species (*Crossopriza lyoni*, *Drassodes delicatus*, *Hippasa greenalliae*) and reported one species (*Artema atlanta* Walckenaer, 1837) from Meerut and Agra region. Later, Pocock (1900, 1901) described one species (*Oxyopes ryvesi* Pocock, 1901) from Prayagraj and recorded other 6 species from Bareilly (*Selenops radiatus* Latreille, 1819), Meerut (*Artema atlanta* Walckenaer, 1837; *Crossopriza lyoni* (Blackwall, 1867)) and Prayagraj (*Cyrtophora cicatrosa* (Stoliczka, 1869); *Hersilia savignyi* Lucas, 1836; *Palystes flavidus* Simon, 1897) and Shahjahanpur (*Chilobrachys hardwickei* (Pocock, 1895)) districts of Uttar Pradesh. Among the Indian authors during post-independent period, Basu (1965) was the first to describe a species of Thomisidae, *Pistius bhadurii* from Saharanpur district of Uttar Pradesh. Later on, many authors have reported several species from different districts of Uttar Pradesh. Regarding the faunal survey, Hore and Uniyal (2008a, b, c) and Uniyal and Hore (2009) recorded more than one hundred species of spiders belonging to several families from Terai Conservation Area, particularly Lakhimpur Kheri district. Lawania and Mathur (2014a, b, c, d) recorded 56 species of spiders from Agra and Mathura districts of Uttar Pradesh. Singh and Singh (2014) reported 58 species belonging to 28 genera and 10 families while Sharma and Singh (2018a, b) accounted 63 species of spiders in five districts of northeast Uttar Pradesh (Kushinagar, Deoria, Gorakhpur, Maharajganj, Siddharthnagar). Later on, Kumar et al. (2017a, b) catalogued 44 species from Lucknow and

Unnao districts, and Mishra and Rastogi (2020) recorded 14 species of spiders from Varanasi district. Recently, Singh et al. (2021) recorded 61 species of spiders belonging to 12 families in Parvati Aranga Bird Sanctuary, Gonda. Most of the national parks and sanctuaries, forest areas, agricultural fields of the states still await intensive and extensive survey programmes to record these predatory chelicerates.

In the present compilation, a total of 286 species described under 147 genera belonging to 36 families were enlisted that have been recorded/described from only 36 districts of Uttar Pradesh giving up-to-date information in the light of modern taxonomic concepts. Out of 75 districts of Uttar Pradesh, maximum number of species of spiders were recorded from Lakhimpur Kheri (178 species) followed by Agra (93 species), Mathura (63 species), Lucknow and Gonda (61 species each), Maharajganj (61 species), Siddharthnagar (61 species), Gorakhpur and Kushinagar (57 species each), Unnao (49 species), and Deoria (42 species) (Table 1). No faunal survey of spiders so far conducted in 41 districts of Uttar Pradesh (Table 1; Fig. 1). Hence, an intensive and extensive faunal survey is required in these areas.

Following is the familywise list of species of spiders recorded/described from different districts of Uttar Pradesh.

3.1.1 Family Agelenidae

- *Agelena gautami* Tikader, 1962 (Uniyal and Hore, 2009)
- *Agelena inda* Simon, 1897 (Uniyal and Hore, 2009)
- *Agelena* sp. (Hore and Uniyal, 2008a, b; Lawania and Mathur, 2014a, b, c)
- *Tegenaria domestica* (Clerck, 1757) (Lawania and Mathur, 2014a)
- *Tegenaria* sp. (Anjali and Prakash, 2012)

3.1.2 Family Amaurobiidae

- *Amaurobius jugorum* L. Koch, 1868 (Marusik et al., 2012)

3.1.3 Family Araneidae

- *Anepsion maritatum* (Pickard-Cambridge, 1877) (Lawania and Mathur, 2014a)
- *Arachnura melanura* Simon, 1867 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Araneus bilunifer* Pocock, 1900 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Araneus diadematus* Clerck, 1757 (Yadav and Prakash, 2021)
- *Araneus ellipticus* (Tikader and Bal, 1981) (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Araneus mitificus* (Simon, 1886) (Lawania and Mathur, 2014a, c; Singh and Singh, 2014; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Araneus* sp. (Hore and Uniyal, 2008b; Uniyal and Hore, 2009; Anjali and Prakash, 2012; Singh et al., 2013; Chandra et al., 2017; Sharma and Singh, 2018a; Sujayanand et al., 2021)
- *Argiope aemula* (Walckenaer, 1837) (Lawania and Mathur, 2014a, b, c, d; Singh and Singh, 2014; Chaubey, 2017a; Sharma and Singh, 2018a, b; Chandra et al., 2021; Singh et al., 2021)
- *Argiope anasuja* Thorell, 1887 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c, d; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Argiope aurantia* Lucas, 1833 (Anjali and Prakash, 2012)
- *Argiope catenulata* (Doleschall 1859) (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Argiope luzona* (Walckenaer, 1837) (Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Argiope pulchella* Thorell, 1881 (Biswas and Biswas, 2006; Hore and Uniyal, 2008a, b, c; Uniyal and Hore,

2009; Lawania and Mathur, 2014a, b, c, d; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Anjali et al., 2019; Singh et al., 2021)

- *Chorizopes anjanes* Tikader, 1965 (Chandra et al., 2021)
- *Cyclosa bifida* (Doleschall, 1859) (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Cyclosa confraga* (Thorell,1892) (Hore and Uniyal, 2008a, b, c; Kumar et al., 2017a, b; Uniyal and Hore, 2009; Kumar et al., 2017a)
- *Cyclosa hexatuberculata* Tikader, 1982 (Chandra et al., 2021)
- *Cyclosa insulana* (Costa, 1834) (Lawania and Mathur, 2014a; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Cyclosa mulmeinensis* (Thorell, 1887) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Cyclosa simoni* Tikader, 1982 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Cyclosa* sp. (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009; Lawania and Mathur, 2014a, b, c, d)
- *Cyphalonotus* sp. (Hore and Uniyal, 2008a, c)
- *Cyrtarachne* sp. (Kumar et al., 2017a, b)
- *Cyrtophora bidenta* Tikader, 1970 (Kumar et al., 2017a, b; Uniyal and Hore, 2009; Kumar et al., 2017a)
- *Cyrtophora cicatrosa* (Stoliczka, 1869) (Pocock, 1900; Tikader, 1982; Biswas and Biswas, 1992; Uniyal and Hore, 2009; Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c, d; Chaubey and Mishra, 2016)
- *Cyrtophora citricola* (Forsskål, 1775) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c, d; Singh and Singh, 2014; Chaubey and Mishra, 2017a; Sharma and Singh, 2018a, b; Mishra and Rastogi, 2020; Singh et al., 2021)
- *Cyrtophora exanthematica* (Doleschall, 1859) (Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Cyrtophora feae* Thorell, 1887 (Lawania and Mathur, 2014a, b)
- *Cyrtophora jabalpurensis* Gajbe and Gajbe, 1999 (Hore and Uniyal, 2008a, b)
- *Cyrtophora ksudra* Sherriffs, 1928 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Cyrtophora moluccensis* (Doleschall, 1857) (Uniyal and Hore, 2009; Lawania and Mathur, 2014a, b)
- *Cyrtophora unicolor* (Doleschall, 1857) (Hore and Uniyal, 2008c)
- *Cyrtophora* sp. (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009)
- *Eriophora* sp. (Kumar et al., 2017a, b)
- *Eriovixia excelsa* (Simon, 1889) (Hore and Uniyal, 2008a, b; Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Eriovixia laglaizei* (Simon, 1877) (Hore and Uniyal, 2008a, b; Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Gasteracantha dalyi* Pocock, 1900 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Gasteracantha diadesmia* Thorell, 1887 (Singh and Singh, 2014; Sharma and Singh, 2018a, b)
- *Gasteracantha geminata* (Fabricius, 1798) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Gasteracantha kuhli* C.L. Koch, 1837 (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Gasteracantha* sp. (Hore and Uniyal, 2008a, b, c)
- *Gea subarmata* Thorell, 1890 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Gea* sp. (Hore and Uniyal, 2008a, b, c)
- *Larinia chloris* Audoin (1826) (Uniyal and Hore, 2009)
- *Larinia emertoni* Gajbe and Gajbe, 2004 (Lawania and Mathur, 2014a; Sharma and Singh, 2018b; Singh et

al., 2021)
- *Larinia kanpurae* Patel and Nigam, 1994 (Patel and Nigam, 1994; Sharma and Singh, 2018a)
- *Larinia phthisica* (L. Koch, 1871) (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Chandra et al., 2021; Singh et al., 2021)
- *Larinia* sp. (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Macracantha hasselti* (C. L. Koch, 1837) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Neoscona adianta* (Walckenaer, 1802) (Mishra et al., 2012a)
- *Neoscona biswasi* Bhandari and Gajbe, 2001 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Neoscona crucifera* (Lucas, 1838) (Mishra et al., 2012a)
- *Neoscona dhruvai* Patel and Nigam, 1994 (Patel and Nigam, 1994; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Neoscona inusta* (L. Koch, 1871) (Khan and Misra, 2003; Chandra et al., 2017)
- *Neoscona molemensis* Tikader and Bal, 1981 (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Neoscona mukerjei* Tikader, 1980 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Kumar et al., 2017a, b; Mishra and Rastogi, 2020; Chandra et al., 2021)
- *Neoscona nautica* (L. Koch, 1875) (Mishra et al., 2012b; Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021; Yadav and Prakash, 2021)
- *Neoscona odites* (Simon, 1906) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Halder et al., 2012)
- *Neoscona sinhagadensis* (Tikader, 1975) (Tandon and Lal, 1983)
- *Neoscona theisi* (Walckenaer, 1837) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Singh and Singh, 2014; Chandra et al., 2017; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Mishra and Rastogi, 2020; Mishra et al., 2021; Singh et al., 2021; Yadav and Prakash, 2021)
- *Neoscona vigilans* (Blackwall, 1865) (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009)
- *Neoscona* sp. (Lawania and Mathur, 2014a)
- *Nephila kuhlii* (Doleschall, 1859) (Lawania and Mathur, 2014a, b)
- *Nephila pilipes* (Fabricius, 1793) (Tikader, 1982; Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009; Lawania and Mathur, 2014a, b; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Nephilengys malabarensis* (Walckenaer, 1841) (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Parawixia dehaani* (Doleschall, 1859) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Singh and Singh, 2014; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b)
- *Parawixia* sp. (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Poltys illepidus* C.L. Koch, 1843 (Uniyal and Hore, 2009; Singh and Singh, 2014; Sharma and Singh, 2018a, b)
- *Poltys* sp. (Hore and Uniyal, 2008a, b)
- *Trichonephila clavata* (L. Koch, 1878) (Kumar et al., 2017a, b; Yadav, 2018)
- *Zygiella* sp. (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)

3.1.4 Family Barychelidae

- *Sason robustum* (Pickard-Cambridge, 1883) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Sasonichus sullivani* Pocock, 1900 (Hore and Uniyal 2008a, b; Uniyal and Hore, 2009)

3.1.5 Family Cheiracanthiidae

- *Cheiracanthium adjacens* O. Pickard-Cambridge, 1885 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Cheiracanthium danieli* Tikader, 1975 (Tandon and Lal, 1983)
- *Cheiracanthium* sp. (Lawania and Mathur, 2014a)

3.1.6 Family Clubionidae

- *Clubiona boxaensis* Biswas and Biswas, 1992 (Hore and Uniyal, 2008a, b, c)
- *Clubiona deletrix* Pickard-Cambridge, 1885 (Hore and Uniyal, 2008a, b)
- *Clubiona drassodes* Pickard-Cambridge, 1874 (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Clubiona filicata* O. P.-Cambridge, 1874 (Hore and Uniyal, 2008a, b, c)
- *Clubiona japonicola* Bösenberg and Strand, 1906 (Khan and Misra, 2003; Singh and Singh, 2014; Chandra et al., 2017; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Clubiona* sp. (Hore and Uniyal, 2008a, b; Sharma and Singh, 2018a; Sujayanand et al., 2021)

3.1.7 Family Corinnidae

- *Castianeira zetes* Simon, 1897 (Yadav and Prakash, 2021)
- *Castianeira* sp. (Lawania and Mathur, 2014a)

3.1.8 Family Ctenidae

- *Nilus* sp. (Kumar et al., 2017a, b)

3.1.9 Family Desidae

- *Desis inermis* Gravely, 1927 (Hore and Uniyal, 2008a, b)
- *Desis* sp. (Hore and Uniyal, 2008a, b)

3.1.10 Family Dictynidae

- *Dictyna turbida* Simon, 1905 (Hore and Uniyal, 2008a)
- *Nigma albida* (O. Pickard-Cambridge, 1885) (Hore and Uniyal, 2008a)
- *Nigma shiprai* (Tikader, 1966) (Lawania and Mathur, 2014a)

3.1.11 Family Eresidae

- *Stegodyphus sarasinorum* Karsch, 1892 (Tandon and Lal, 1983; Kumar et al., 2017a, b; Mishra and Rastogi, 2020; Chandra et al., 2021)

3.1.12 Family Gnaphosidae

- *Callilepis lambai* Tikader and Gajbe, 1977 (Lawania and Mathur, 2014a, b, c, d)
- *Callilepis rukminiae* Tikader and Gajbe, 1977 (Lawania and Mathur, 2014a, b, c, d)
- *Drassodes delicatus* (Blackwall, 1867) (Blackwall, 1867)
- *Drassodes gangeticus* Tikader and Gajbe, 1975 (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009)
- *Drassodes himalayensis* Tikader and Gajbe, 1975 (Gajbe, 1988)
- *Drassodes luridus* (Pickard-Cambridge, 1874) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Drassodes parvidens* Caporiacco, 1935 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Drassodes* sp (Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c, d)
- *Eilica kandarpae* Nigam and Patel, 1996 (Nigam and Patel, 1996)
- *Gnaphosa kailana* Tikader, 1966 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Gnaphosa poonaensis* Tikader, 1973 (Tikader, 1982; Gajbe, 1988)

- *Gnaphosa stoliczkai* Pickard-Cambridge, 1885 (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009)
- *Gnaphosa* sp. (Hore and Uniyal, 2008a, b)
- *Haplodrassus ambalaensis* Gajbe, 1992 (Hore and Uniyal, 2008b; Uniyal and Hore, 2009)
- *Haplodrassus bengalensis* Gajbe, 1992 (Hore and Uniyal, 2008a)
- *Haplodrassus morosus* (Pickard-Cambridge, 1872) (Uniyal and Hore, 2009)
- *Haplodrassus tehriensis* Tikader and Gajbe, 1977 (Uniyal and Hore, 2009)
- *Haplodrassus* sp. (Hore and Uniyal, 2008a, b; Yadav & Prakash, 2021)
- *Herpyllus* sp. (Hore and Uniyal, 2008a, b)
- *Ladissa* sp. (Hore and Uniyal, 2008b)
- *Marinarozelotes jaxartensis* (Kroneberg, 1875) (Tikader and Gajbe, 1975; Tikader, 1982; Gajbe, 1988)
- *Prodidomus saharanpurensis* (Tikader, 1982) (Tikader, 1982)
- *Scotophaeus* sp. (Hore and Uniyal, 2008a, b)
- *Setaphis browni* (Tucker, 1923) (Gajbe, 1988)
- *Urozelotes rusticus* (L. Koch, 1872) (Singh and Singh, 2014; Sharma and Singh, 2018b; Singh et al., 2021)
- *Zelotes calcuttaensis* (Biswas, 1984) (Uniyal and Hore, 2009)
- *Zelotes chandosiensis* Tikader and Gajbe, 1976 (Tikader and Gajbe, 1976a; Tikader, 1982)
- *Zelotes nainitalensis* Tikader and Gajbe, 1976 (Tikader and Gajbe, 1976a; Uniyal and Hore, 2009)
- *Zelotes pexus* (Simon, 1885) (Uniyal and Hore, 2009)
- *Zelotes sataraensis* Tikader and Gajbe, 1979 (Gajbe, 1988)
- *Zelotes* sp. (Hore and Uniyal, 2008a, b, c)

3.1.13 Family Hahniidae

- *Hahnia mridulae* Tikader, 1970) (Hore and Uniyal, 2008a)
- *Hahnia* sp. (Hore and Uniyal, 2008a)
- *Neoantistea maxima* (Caporiacco, 1935) (Hore and Uniyal, 2008a)

3.1.14 Family Hersiliidae

- *Hersilia savignyi* Lucas, 1836 (Pocock, 1900; Biswas and Biswas, 1992; Uniyal and Hore, 2009; Lawania and Mathur, 2014a, b; Sharma and Singh, 2018a, b; Anjali and Prakash, 2019; Singh et al., 2021)
- *Hersilia* sp. (Anjali and Prakash, 2012; Kumar et al., 2017a, b)
- *Neotama punctigera* Baehr and Baehr, 1993 (Uniyal and Hore, 2009)

3.1.15 Family Ischnothelidae

- *Indothele mala* Coyle, 1995 (Hore and Uniyal 2008a)
- *Indothele rothi* Coyle, 1995 (Hore and Uniyal, 2008a, b)

3.1.16 Family Linyphiidae

- *Atypena* sp. (Chandra et al., 2017; Kumar et al., 2017a, b)
- *Erigone rohtangensis* Tikader, 1981 (Hore and Uniyal, 2008a)
- *Erigone* sp. (Kumar et al., 2017a, b)
- *Lepthyphantes peramplus* (Pickard–Cambridge, 1885) (Uniyal and Hore, 2009)
- *Lepthyphantes stramineus* (Pickard–Cambridge, 1885) (Uniyal and Hore, 2009)
- *Linyphia sikkimensis* Tikader, 1970 (Uniyal and Hore, 2009)
- *Linyphia* sp. (Tandon and Lal, 1983; Hore and Uniyal, 2008a; Lawania and Mathur, 2014a, b, c, d; Kumar et al., 2017a, b)

- *Oedothorax globiceps* Thaler, 1987 (Hore and Uniyal, 2008a; Uniyal and Hore, 2009)
- *Oedothorax* sp. (Hore and Uniyal, 2008a; Uniyal and Hore, 2009)

3.1.17 Family Liocranidae

- *Oedignatha indica* (Tikader, 1981) (Hore and Uniyal, 2008a)
- *Oedignatha* sp. (Hore and Uniyal, 2008a)

3.1.18 Family Lycosidae

- *Arctosa himalayensis* Tikader and Malhotra, 1980 (Biswas and Biswas, 1992; Khan and Misra, 2003)
- *Arctosa indica* Tikader and Malhotra, 1980 (Hore and Uniyal, 2008a, b, c)
- *Arctosa* sp. (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009)
- *Evippa solanensis* Tikader and Malhotra, 1980 (Uniyal and Hore, 2009)
- *Hippasa agelenoides* (Simon, 1884) (Kumar et al., 2017a, b; Yadav & Prakash, 2021)
- *Hippasa greenalliae* (Blackwall, 1867) (Blackwall, 1867; Mishra and Rastogi, 2020)
- *Hippasa himalayensis* Gravely, 1924 (Uniyal and Hore, 2009)
- *Hippasa holmerae* Thorell, 1895 (Biswas and Biswas, 1992; Yadav et al., 2012a; Chandra et al., 2017; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Hippasa olivacea* (Thorell, 1887) (Chandra et al., 2021)
- *Hippasa partita* (O. Pickard-Cambridge, 1876) (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Hippasa pisaurina* Pocock, 1900 (Hore and Uniyal, 2008a, b, c)
- *Hippasa* sp. (Hore and Uniyal, 2008a, b; Lawania and Mathur, 2014a)
- *Lycosa carmichaeli* Gravely, 1924 (Gravely, 1924)
- *Lycosa mackenziei* Gravely, 1924 (Singh and Singh, 2014; Lawania and Mathur, 2014a, b, c; Sharma and Singh, 2018a, b; Singh et al., 2021; Yadav & Prakash, 2021)
- *Lycosa nigrotibialis* Simon, 1884 (Chandra et al., 2021)
- *Lycosa pictula* Pocock, 1901 (Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c, d)
- *Lycosa prolifica* Pocock, 1901 (Biswas and Biswas, 2006)
- *Lycosa tista* Tikader, 1970 (Uniyal and Hore, 2009; Anjali and Prakash, 2012; Kumar et al., 2017a, b; Yadav & Prakash, 2021)
- *Lycosa* sp. (Agrawal et al., 2010)
- *Pardosa heterophthalma* (Simon, 1898) (Biswas and Biswas, 2010)
- *Pardosa kupupa* (Tikader, 1970) (Hore and Uniyal, 2008a, b)
- *Pardosa minuta* Tikader and Malhotra, 1976 (Hore and Uniyal, 2008a, b)
- *Pardosa pseudoannulata* (Bösenberg and Strand, 1906) (Khan and Misra, 2003; Anjali and Prakash, 2012; Lawania and Mathur, 2014a; Singh and Singh, 2014; Chandra et al., 2017; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Pardosa songosa* Tikader and Malhotra, 1976 (Tikader and Malhotra, 1976)
- *Pardosa sumatrana* (Thorell, 1890) (Singh and Singh, 2014; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Mishra and Rastogi, 2020; Mishra et al., 2021; Singh et al., 2021)
- *Pardosa timidula* (Roewer, 1951) (Uniyal and Hore, 2009)
- *Pardosa* sp. (Hore and Uniyal, 2008a, b; Lawania and Mathur, 2014a, b, c; Sharma and Singh, 2018a; Agrawal et al., 2010)
- *Trochosa himalayensis* Tikader and Malhotra, 1980 (Hore and Uniyal, 2008a, b)
- *Trochosa punctipes* (Gravely, 1924) (Gravely, 1924; Tikader, 1966a)

- *Trochosa* sp. (Hore and Uniyal, 2008a, b; Kumar et al., 2017a, b)
- *Trochosa urbana* O. Pickard-Cambridge, 1876 (Lawania and Mathur, 2014a, d; Kumar et al., 2017b)
- *Wadicosa fidelis* (O. Pickard-Cambridge, 1872) (Biswas and Biswas, 1992; Khan and Misra, 2003; Hore and Uniyal, 2008a, b, c; Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c; Singh and Singh, 2014; Chandra et al., 2017; Sharma and Singh, 2018a, b; Singh et al., 2021)

3.1.19 Family Oonopidae

- *Gamasomorpha clypeolaria* Simon, 1907 (Uniyal and Hore, 2009)
- *Gamasomorpha* sp. (Uniyal and Hore, 2009)
- *Triaeris nagarensis* Tikader and Malhotra, 1974 (Chandra et al., 2021)

3.1.20 Family Oxyopidae

- *Hamataliwa* sp. (Kumar et al., 2017a, b)
- *Oxyopes assamensis* Tikader, 1969 (Lawania and Mathur, 2014a, b)
- *Oxyopes birmanicus* Thorell, 1887 (Hore and Uniyal, 2008a, b; Anjali and Prakash, 2012; Kumar et al., 2017a, b; Lawania and Mathur, 2014a, b, c, d)
- *Oxyopes elongatus* Biswas et al., 1996 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Mishra and Rastogi, 2020)
- *Oxyopes hindostanicus* Pocock, 1901 (Sherriffs, 1951)
- *Oxyopes indicus* (Walckenaer, 1805) (Anjali and Prakash, 2012)
- *Oxyopes javanus* Thorell, 1887 (Khan and Misra, 2003; Lawania and Mathur, 2014a, b, c, d; Singh and Singh, 2014; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Mishra and Rastogi, 2020; Mishra et al., 2021; Singh et al., 2021)
- *Oxyopes ketani* Gajbe and Gajbe, 1999 (Gajbe, 1992a)
- *Oxyopes lineatipes* (C.L.Koch, 1847) (Halder et al., 2012)
- *Oxyopes pandae* Tikader, 1969 (Tikader, 1969a; Gajbe, 1999; Khan and Misra, 2003)
- *Oxyopes pankaji* Gajbe and Gajbe, 2000 (Lawania and Mathur, 2014a, b, c, d)
- *Oxyopes pawani* Gajbe, 1992 (Gajbe, 1992a)
- *Oxyopes quadrifasciatus* L. Koch, 1878 (Chaubey, 2019a)
- *Oxyopes ratnae* Tikader, 1970 (Khan and Misra, 2003; Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c, d)
- *Oxyopes ryvesi* Pocock, 1901 (Pocock, 1901; Sherriffs, 1951; Gajbe, 2008)
- *Oxyopes salticus* Hentz, 1845 (Anjali and Prakash, 2012)
- *Oxyopes sertatus* L. Koch, 1878 (Anjali and Prakash, 2012; Lawania and Mathur, 2014a)
- *Oxyopes shweta* Tikader 1970 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c, d; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Oxyopes* sp. (Hore and Uniyal, 2008a, b; Lawania and Mathur, 2014a, b, c, Dubey et al., 2021; Sujayanand et al., 2021)
- *Peucetia ketani* Gajbe, 1992 (Gajbe, 1992a)
- *Peucetia yogeshi* Gajbe, 1999 (Chandra et al., 2021)
- *Peucetia* sp. (Hore and Uniyal, 2008a, b; Kumar et al., 2017a, b)

3.1.21 Family Philodromidae

- *Philodromus bhagirathai* Tikader, 1966 (Tikader, 1966b, 1971)
- *Philodromus pali* Gajbe and Gajbe, 2000 (Uniyal and Hore, 2009)

- *Philodromus* sp. (Hore and Uniyal, 2008a, b; Anjali and Prakash, 2012; Lawania and Mathur, 2014a; Kumar et al., 2017a, b)

3.1.22 Family Pholcidae

- *Artema atlanta* Walckenaer, 1837 (Blackwall, 1867; Pocock, 1900; Lawania and Mathur, 2014a, b, c, d; Anjali and Prakash, 2019)
- *Artema* sp. (Hore and Uniyal, 2008a; Kumar et al., 2017a)
- *Crossopriza lyoni* (Blackwall, 1867) (Blackwall, 1867; Pocock, 1900; Hore and Uniyal, 2008a; Lawania and Mathur, 2014a, b, c, d; Uniyal and Hore, 2009; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Anjali and Prakash, 2019; Singh et al., 2021)
- *Pholcus phalangioides* (Fuesslin, 1775) (Lawania and Mathur, 2014a, b, d; Singh and Singh, 2014; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Pholcus* sp. (Lawania and Mathur, 2014a, b)
- *Smeringopus pallidus* (Blackwall, 1858) (Uniyal and Hore, 2009)

3.1.23 Family Pisauridae

- *Nilus albocinctus* (Doleschall, 1859) (Uniyal and Hore, 2009)
- *Nilus decorata* (Patel and Reddy, 1990) (Hore and Uniyal, 2008a; Uniyal and Hore, 2009)
- *Pisaura* sp. (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Kumar et al., 2017a, b)

3.1.24 Family Salticidae

- *Afrafacila* sp. (Yadav and Prakash, 2021)
- *Asemonea tenuipes* (Pickard-Cambridge, 1869) (Lawania and Mathur, 2014a)
- *Bavia* sp. (Lawania and Mathur, 2014a)
- *Carrhotus viduus* (C.L. Koch, 1846) (Uniyal and Hore, 2009)
- *Carrhotus sp.* (Kumar et al., 2017a, b)
- *Cosmophasis umbratica* Simon, 1903 (Lawania and Mathur, 2014a)
- *Epocilla aurantiaca* (Simon, 1885) (Anjali et al., 2019)
- *Epocilla* sp. (Yadav and Prakash, 2021)
- *Harmochirus brachiatus* (Thorell, 1877) (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Hasarius adansoni* (Audouin, 1826) (Anjali and Prakash, 2012; Lawania and Mathur, 2014a; Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Hyllus semicupreus* (Simon, 1885) (Lawania and Mathur, 2014a, b, c, d; Yadav and Prakash, 2021)
- *Hyllus* sp. (Kumar et al., 2017b)
- *Marengo crassipes* Peckham and Peckham, 1892 (Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Marpissa* sp. (Tandon and Lal, 1983; Hore and Uniyal, 2008a; Halder et al., 2012)
- *Menemerus bivittatus* (Dufour, 1831) (Chaubey et al., 2019a; Yadav and Prakash, 2021)
- *Menemerus semilimbatus* (Hahn, 1829) (Chaubey and Yadav, 2017a; Anjali and Prakash, 2019; Anjali et al., 2019; Yadav and Prakash, 2021)
- *Myrmaplata plataleoides* (O. Pickard-Cambridge, 1869) (Mishra and Rastogi, 2020)
- *Myrmarachne himalayensis* Narayan, 1915 (Uniyal and Hore, 2009)
- *Myrmarachne melanocephala* MacLeay, 1839 (Lawania and Mathur, 2014a; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Anjali et al., 2019; Chaubey, 2019b; Singh et al., 2021)
- *Myrmarachne* sp. (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009; Sharma and Singh, 2018a)

- *Opisthoncus* sp. (Chaubey, 2019c)
- *Phlegra* sp. (Kumar et al., 2017a, b)
- *Phidippus audax* (Hentz, 1845) (Chaubey, 2017b)
- *Phidippus clarus* Keyserling, 1885 (Anjali and Prakash, 2012)
- *Phidippus* sp. (Tandon and Lal, 1983; Chandra et al., 2017)
- *Phidippus yashodharae* Tikader, 1977 (Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c)
- *Phintella bifurcata* Proszyński, 1992 (Uniyal and Hore, 2009)
- *Phintella* sp. (Hore and Uniyal, 2008a, b; Kumar et al., 2017a, b)
- *Phintella vittata* (C L Koch, 1846) (Lawania and Mathur, 2014a, b, c; Kumar et al., 2017a; Mishra and Rastogi, 2020)
- *Plexippus calcutaensis* (Tikader, 1974) (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Plexippus paykulli* (Audouin, 1826) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c, d; Singh and Singh, 2014; Chaubey and Yadav, 2017b; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Mishra and Rastogi, 2020; Singh et al., 2021)
- *Plexippus petersi* (Karsch, 1878) (Singh and Singh, 2014; Chaubey, 2017c; Sharma and Singh, 2018a, b; Anjali et al., 2019; Singh et al., 2021)
- *Plexippus redimitus* Simon, 1906 (Uniyal and Hore, 2009)
- *Plexippus* sp. (Hore and Uniyal, 2008a, b; Kumar et al., 2017a)
- *Portia albimana* (Simon, 1900) (Uniyal and Hore, 2009)
- *Portia assamensis* Wanless, 1978 (Lawania and Mathur, 2014a, b, c, d)
- *Portia* sp. (Anjali and Prakash, 2012)
- *Rhene flavigera* (C.L. Koch, 1846) (Kumar et al., 2017a, b)
- *Rhene indica* Tikader, 1973 (Uniyal and Hore, 2009)
- *Rhene* sp. (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Kumar et al., 2017a)
- *Salticus* sp. (Khan and Misra, 2003; Kumar et al., 2017a, b)
- *Siler* sp. (Kumar et al., 2017a, b)
- *Stenaelurillus lesserti* Reimoser, 1934 (Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Telamonia dimidiata* (Simon, 1899) (Khan and Misra, 2003; Anjali and Prakash, 2012; Lawania and Mathur, 2014a, b, c, d; Chaubey, 2019d; Mishra and Rastogi, 2020; Anjali et al., 2019)
- *Telamonia festiva* Thorell, 1887 (Uniyal and Hore, 2009)
- *Telamonia* sp. (Hore and Uniyal, 2008a, b)
- *Thiania* sp. (Kumar et al., 2017a, b)
- *Thyene imperialis* (Rossi 1846) (Yadav and Prakash, 2021)
- *Zenodorus* sp. (Chaubey et al., 2019b)

3.1.25 Family Scytodidae

- *Scytodes pallida* Doleschall, 1859 (Uniyal and Hore, 2009)

3.1.26 Family Selenopidae

- *Selenops radiatus* Latreille, 1819 (Pocock, 1900; Kumar et al., 2017a)
- *Selenops* sp. (Anjali and Prakash, 2012; Lawania and Mathur, 2014a)

3.1.27 Family Sparassidae

- *Heteropoda fabrei* Simon, 1885 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)

- *Heteropoda leprosa* Simon, 1884 (Biswas and Biswas, 1992)
- *Heteropoda nilgirina* Pocock, 1901 (Sethi and Tikader, 1988)
- *Heteropoda* sp. (Kumar et al., 2017a)
- *Heteropoda venatoria* (Linnaeus 1767) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Singh and Singh, 2014; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Olios obesulus* (Pocock, 1901) (Gravely, 1931; Sethi and Tikader, 1988)
- *Olios milleti* (Pocock, 1901) (Mishra and Rastogi, 2020)
- *Olios punctipes* Simon, 1884 (Gravely, 1931; Sethi and Tikader, 1988)
- *Olios tikaderi* Kundu et al., 1999 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Olios* sp. (Yadav and Prakash, 2021)
- *Palystes flavidus* Simon, 1897 (Pocock, 1900; Tikader and Sethi, 1990)
- *Spariolenus buxa* (Saha et al., 1995) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)

3.1.28 Family Stenochilidae

- *Stenochilus crocatus* Simon, 1884 (Chandra et al., 2021)

3.1.29 Family Tetrablemmidae

- *Tetrablemma deccanense* (Tikader, 1976) (Uniyal and Hore, 2009)
- *Tetrablemma* sp. (Hore and Uniyal, 2008a, b, c)

3.1.30 Family Tetragnathidae

- *Guizygiella indica* (Tikader and Bal, 1980) (Hore and Uniyal, 2008b; Anjali et al., 2019; Yadav and Prakash, 2021)
- *Guizygiella melanocrania* (Thorell, 1887) (Chaubey, 2017d; Chandra et al., 2021)
- *Leucauge celebesiana* (Walckenaer, 1841) (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009; Kumar et al., 2017a, b; Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Leucauge decorata* (Blackwall, 1864) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Anjali and Prakash, 2012; Yadav et al., 2012b; Lawania and Mathur, 2014a, b, c, d; Singh and Singh, 2014; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Leucauge* sp. (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Meta* sp. (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Opadometa fastigata* (Simon, 1877) (Gravely, 1921)
- *Tetragnatha ceylonica* Pickard-Cambridge 1869 (Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Tetragnatha chamberlini* (Gajbe, 2004) (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009; Lawania and Mathur, 2014a; Chaubey and Mishra, 2017b)
- *Tetragnatha javana* (Thorell, 1890) (Khan and Misra, 2003; Singh and Singh, 2014; Chandra et al., 2017; Sharma and Singh, 2018a, b; Mishra et al., 2021; Singh et al., 2021)
- *Tetragnatha keyserlingi* Simon, 1890 (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Tetragnatha mandibulata* Walckenaer, 1842 (Khan and Misra, 2003; Singh and Singh, 2014; Chandra et al., 2017; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Tetragnatha* sp. (Khan and Misra, 2003)
- *Tylorida* sp. (Hore and Uniyal, 2008a)
- *Tylorida ventralis* (Thorell, 1877) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)

3.1.31 Family Theraphosidae

- *Chilobrachys hardwickei* (Pocock, 1895) (Pocock, 1900; Siliwal et al., 2011)
- *Chilobrachys* sp. (Hore and Uniyal 2008a, b)
- *Haplocosmia himalayana* (Pocock, 1899) (Uniyal and Hore, 2009)

3.1.32 Family Theridiidae

- *Achaearanea budana* Tikader, 1970 (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009)
- *Achaearanea* sp. (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009; Gupta and Siliwal, 2012)
- *Achaearanea triangularis* (Patel, 2005) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Argyrodes cyrtophorae* Tikader, 1963 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Argyrodes fissifrons* Pickard-Cambridge, 1869 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Chikunia nigra* (O. Pickard-Cambridge, 1880) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Lawania and Mathur, 2014a)
- *Chrysso urbasae* (Tikader, 1970) (Uniyal and Hore, 2009)
- *Chrysso* sp. (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Dipoenura fimbriata* Simon, 1909 (Sharma and Singh, 2018b; Singh et al., 2021)
- *Meotipa picturata* Simon, 1895 (Hore and Uniyal, 2008a, b, c; Uniyal and Hore, 2009)
- *Meotipa pulcherrima* (Mello-Leitão, 1917) (Lawania and Mathur, 2014a)
- *Molione triacantha* Thorell, 1892 (Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Nihonhimea mundula* (L. Koch, 1872) (Lawania and Mathur, 2014a; Anjali and Prakash, 2012)
- *Steatoda* sp. (Lawania and Mathur, 2014a)
- *Theridion incertum* Pickard-Cambridge, 1885 (Uniyal and Hore, 2009)
- *Theridion manjithar* Tikader, 1970 (Uniyal and Hore, 2009)
- *Theridion* sp. (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Chandra et al., 2021)
- *Thwaitesia margaritifera* Pickard-Cambridge, 1881 (Sharma and Singh, 2018a, b; Singh et al., 2021)

3.1.33 Family Thomisidae

- *Camaricus formosus* Thorell, 1887 (Singh and Singh, 2014; Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Camaricus* sp. (Singh and Singh, 2014; Kumar et al., 2017a, b; Sharma and Singh, 2018a, b)
- *Diaea subdola* Pickard-Cambridge, 1885 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Indoxysticus minutus* (Tikader, 1960) (Lawania and Mathur, 2014a; Kumar et al., 2017a, b)
- *Lysiteles* sp. (Kumar et al., 2017a)
- *Mastira menoka* (Tikader, 1963) (Sharma and Singh, 2018a, b; Singh et al., 2021)
- *Misumena indra* Tikader, 1963 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Misumena mridulai* Tikader, 1962 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Misumena vatia* (Clerck, 1757) (Kumar et al., 2017a, b)
- *Misumena* sp. (Yadav and Prakash, 2021)
- *Ozyptila chandosiensis* Tikader, 1980 (Tikader, 1980)
- *Ozyptila manii* Tikader, 1961 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Ozyptila* sp. (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Pistius bhadurii* Basu, 1965 (Basu, 1965; Tikader, 1971)
- *Runcinia insecta* (L. Koch, 1875) (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
- *Runcinia roonwali* Tikader, 1965 (Uniyal and Hore, 2009)
- *Runcinia* sp. (Hore and Uniyal, 2008a, b)
- *Thomisus lobosus* Tikader, 1965 (Lawania and Mathur, 2014a, b, c, d)
- *Thomisus pooneus* Tikader, 1965 (Chandra et al., 2021)

• *Thomisus projectus* Tikader, 1960 (Lawania and Mathur, 2014a, b, c, d)
• *Thomisus pugilis* Stoliczka, 1869 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
• *Thomisus sorajaii* Basu, 1963 (Chandra et al., 2021)
• *Thomisus unidentatus* Dippenaar-Schoeman and van Harten, 2007 (Diksha et al., 2018)
• *Thomisus* sp. (Khan and Misra, 2003; Kumar et al., 2017a; Chandra et al., 2021; Sujayanand et al., 2021)
• *Xysticus sp.* (Anjali and Prakash, 2012; Kumar et al., 2017a, b)

3.1.34 Family Trachelidae

• *Trachelas himalayensis* Biswas, 1993 (Hore and Uniyal, 2008a, b)

3.1.35 Family Uloboridae

• *Miagrammopes gravelyi* Tikader, 1971 (Uniyal and Hore, 2009)
• *Miagrammopes indicus* Tikader, 1971 (Uniyal and Hore, 2009)
• *Uloborus danolius* Tikader, 1969 (Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009; Lawania and Mathur, 2014a, b, c, d)
• *Uloborus* sp. (Tandon and Lal, 1983; Hore and Uniyal, 2008a, b; Uniyal and Hore, 2009)
• *Zosis geniculata* (Olivier, 1789) (Kumar et al., 2017a)

3.1.36 Family Zodariidae

• *Tropizodium bengalensis* (Tikader and Patel, 1975) (Uniyal and Hore, 2009)
• *Tropizodium* sp. (Hore and Uniyal, 2008a, b, c)

3.2 Uttarakhand

Uttarakhand (formerly known as Uttaranchal) (Coordinates: 30.0668° N, 79.0193° E), known for the natural environment of the Himalayas, the Bhabar and the Terai regions and is bordered by Tibet Autonomous Region of China to the north; Nepal to the east; Uttar Pradesh to the south and Himachal Pradesh to the west and north-west. Administratively, it is divided into 13 districts (Fig. 2). Uttarakhand has a total area of 53,483 km^2 of which about 86% is mountainous and 65% is covered by forest. Most of the northern part of the state is covered by high Himalayan peaks and glaciers. Two of the most pious rivers, Ganges and Yamuna originate in the Gangotri and Yamunotri glaciers of Uttarakhand and are fed by numerous lakes, glacial melts and streams. There are several parks and sanctuaries, Jim Corbett National Park is one of the oldest national parks in India. Being southern slope of the Himalaya range, the climate and vegetation vary greatly with elevation, from glaciers at the highest elevations which are covered by ice and bare rock to subtropical forests at the lower elevations. Depending upon the location and altitude, temperature varies from -4°C to 43°C. The flora and fauna of Uttarakhand are very rich.

The perusal of literature reveals that Simon (1889) was probably the first who had described/recorded 24 species of spiders in Uttarakhand. Later, Simon (1897) again added 9 more species of spiders in Uttarakhand. Thereafter, Pocock (1899, 1900) described/recorded additional 9 species of spiders from the state. In the 20th century before independence of India (1947), few more workers recorded 25 more species of spiders, for example, Leardi in Airaghi (1901), 8 species; Simon (1906), 1 species; Strand (1907, 1909), 2 species; Gravely (1921, 1924, 1931), 8 species and Fage (1946), 4 species. After independence, Basu (1964) was probably the first who described 2 species of spiders from the Dehradun district, namely, *Massuria roonwali* and *Pistius kanikae*. Later, Basu (1965) again described 3 more species, *Pistius barchensis*, *Pistius gangulyi* and *Pistius robustus*. Thereafter, several workers sporadically described/recorded about a hundred of the species of spiders. The first faunistic survey of spiders was conducted by Biswas and Biswas (2010) who recorded and compiled

125 species belonging to 49 genera under 17 families in Uttarakhand. Later, Uniyal et al. (2011) recorded 88 species of spiders in Nanda Devi Biosphere Reserve situated in the Chamoli district. After one year, Gupta and Siliwal (2012) prepared a checklist of spiders of Wildlife Institute of India campus, Dehradun district of Uttarakhand. In recent years, Pooja et al. (2019) and Siddhu et al. (2020) recorded 31 and 27 species of spiders from Navdanya Biodiversity Farm located in Dehradun district and Nainital district of Uttarakhand, respectively. However, most of the national parks and sanctuaries, forest areas, agricultural fields of the states still await intensive and extensive survey programmes to record these spiders.

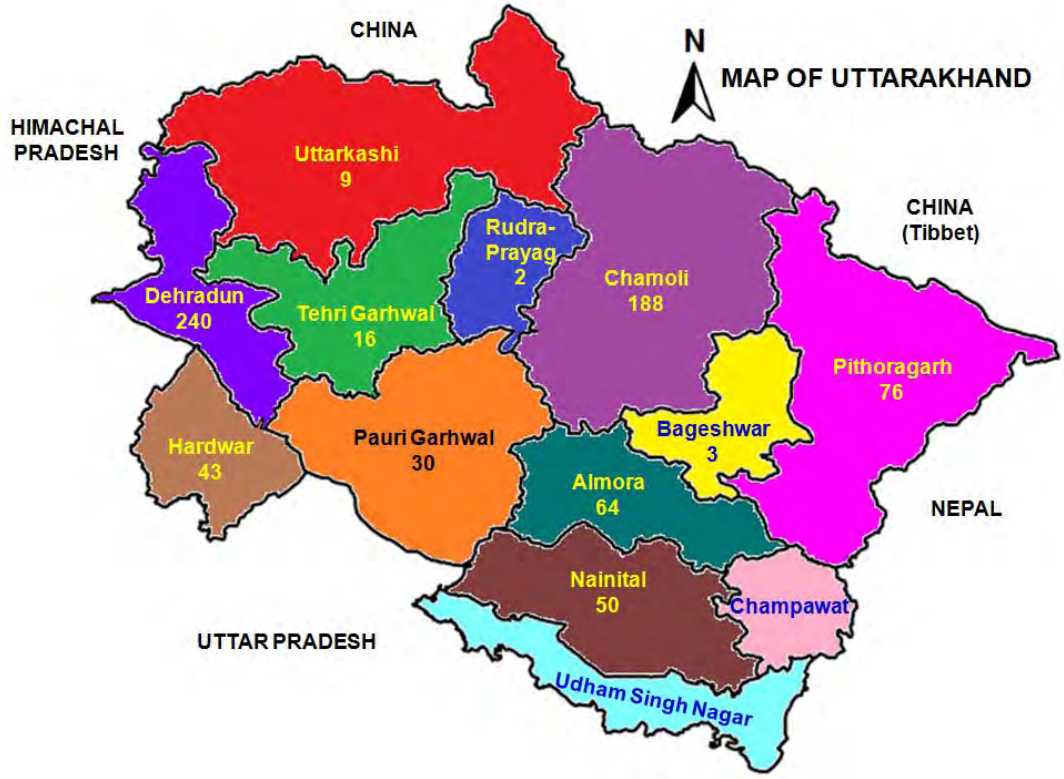

Fig. 2 Number of species of spiders described/recorded from different districts of Uttarakhand.

In the present compilation, a total of 373 species described under 202 genera belonging to 45 families were enlisted that have been recorded/described from 11 districts of Uttarakhand out of 13 districts giving up-to-date information in the light of modern taxonomic concepts. The maximum number of species of spiders were recorded from the district Dehradun (240 species) followed by Chamoli (188 species), Pithoragarh (76 species), Almora (64 species), Nainital (50 species), Hardwar (43 species), Pauri Garhwal (30 species), Tehri Garhwal (16 species), Uttarkashi (9 species), Bageshwar (3 species), and Rudra Prayag (2 species). No faunal survey of spiders was so far conducted in 2 districts, Champawat and Udham Singh Nagar of Uttarakhand (Fig. 2). Hence, the intensive and extensive faunal survey is required in these areas.

Following is the familywise list of species of spiders recorded/described from different districts of Uttarakhand.

3.2.1 Family Agelenidae

• *Agelena* sp. (Quasin and Uniyal, 2013)

• *Draconarius harduarae* (Biswas and Roy, 2008) (Biswas and Roy, 2008)
• *Draconarius joshimath* Quasin et al., 2017 (Quasin et al., 2017a)
• *Draconarius* sp. (Uniyal et al., 2011)

3.2.2 Family Amaurobiidae

• *Amaurobius* sp. (Uniyal et al., 2011)
• *Himalmartensus mussooriensis* (Biswas and Roy, 2008) (Biswas and Roy, 2008)
• *Himalmartensus nandadevi* Quasin et al., 2015 (Quasin et al., 2015)
• *Himalmartensus* sp. (Uniyal et al., 2011)

3.2.3 Family Anyphaenidae

• *Anyphaena soricina* Simon, 1889 (Simon, 1889)
• *Anyphaena* sp. (Uniyal et al., 2011)

3.2.4 Family Araneidae

• *Araneus bilunifer* Pocock, 1900 (Uniyal et al., 2011)
• *Araneus camilla* (Simon, 1889) (Simon, 1889)
• *Araneus ellipticus* (Tikader and Bal, 1981) (Uniyal et al., 2011; Quasin and Uniyal, 2013)
• *Araneus himalayanus* (Simon, 1889) (Simon, 1889)
• *Araneus minutalis* (Simon, 1889) (Simon, 1889)
• *Araneus mitificus* (Simon, 1886) (Biswas and Biswas, 2010; Uniyal et al., 2011; Gupta and Siliwal, 2012; Siddhu et al., 2020)
• *Araniella nympha* (Simon, 1889) (Simon, 1889; Uniyal et al., 2011; Quasin and Uniyal, 2013)
• *Araneus* sp. (Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011; Pooja et al., 2019)
• *Araniella cucurbitina* (Clerck, 1757) (Rajpoot et al., 2018)
• *Araniella maasdorpi* Zamani and Marusik, 2020 (Zamani and Marusik, 2020)
• *Araniella* sp. (Quasin and Uniyal, 2011a; Uniyal et al., 2011)
• *Argiope aemula* (Walckenaer, 1837) (Biswas and Biswas, 2010; Gupta and Siliwal, 2012)
• *Argiope anasuja* Thorell, 1887 (Biswas and Biswas, 2010; Uniyal et al., 2011; Gupta and Siliwal, 2012)
• *Argiope catenulata* (Doleschall 1859) (Biswas and Biswas, 2010)
• *Argiope minuta* Karsch, 1879 (Biswas and Biswas, 2010)
• *Argiope pulchella* Thorell, 1881 (Uniyal and Hore, 2006; Biswas and Biswas, 2010; Gupta and Siliwal, 2012; Siddhu et al., 2020)
• *Argiope trifasciata* (Forsskål, 1775) (Biswas and Biswas, 2010)
• *Argiope* sp. (Quasin and Uniyal, 2010; Uniyal et al., 2011)
• *Cercidia punctigera* Simon, 1889 (Simon, 1889)
• *Chorizopes* sp. (Uniyal et al., 2011)
• *Cyclosa bifida* (Doleschall, 1859) (Gupta and Siliwal, 2012; Siddhu et al., 2020)
• *Cyclosa confraga* (Thorell, 1892) (Quasin and Uniyal, 2010, 2011a, 2013; Uniyal et al., 2011)
• *Cyclosa gossypiata* Keswani, 2013 (Siddhu et al., 2020)
• *Cyclosa hexatuberculata* Tikader, 1982 (Uniyal et al., 2011)
• *Cyclosa insulana* (Costa, 1834) (Quasin and Uniyal, 2011a; Uniyal et al., 2011)
• *Cyclosa quinqueguttata* (Thorell, 1881) (Simon, 1889)
• *Cyclosa simoni* Tikader, 1982 (Biswas and Biswas, 2010)
• *Cyclosa spirifera* Simon, 1889 (Simon, 1889; Biswas and Biswas, 2010)

- *Cyclosa* sp. (Uniyal et al., 2011)
- *Cyrtarachne raniceps* Pocock, 1900 (Gupta and Siliwal, 2012)
- *Cyrtarachne* sp. (Uniyal et al., 2011)
- *Cyrtophora citricola* (Forsskål, 1775) (Siddhu et al., 2020)
- *Cyrtophora moluccensis* (Doleschall, 1857) (Quasin and Uniyal, 2011a, 2013; Uniyal et al., 2011)
- *Cyrtophora* sp. (Quasin and Uniyal, 2010; Uniyal et al., 2011)
- *Eriophora* sp. (Uniyal et al., 2011; Uniyal et al., 2011; Quasin and Uniyal, 2013)
- *Eriovixia excelsa* (Simon, 1889) (Simon, 1889)
- *Eriovixia laglaizei* (Simon, 1877) (Simon, 1889; Pocock, 1900; Gupta and Siliwal, 2012; Pooja et al., 2019; Siddhu et al., 2020)
- *Eriovixia poonaensis* (Tikader and Bal, 1981) (Gupta and Siliwal, 2012)
- *Eriovixia* sp. (Uniyal et al., 2011)
- *Gasteracantha unguifera* Simon, 1889 (Simon, 1889; Pocock, 1900; Tikader, 1982)
- *Gea* sp. (Gupta and Siliwal, 2012; Pooja et al., 2019)
- *Gea subarmata* Thorell, 1890 (Tikader, 1982; Levi, 1983; Uniyal and Hore, 2006, 2009)
- *Larinia chloris* Audoin (1826) (Biswas and Biswas, 2010)
- *Larinia phthisica* (L. Koch, 1871) (Biswas and Biswas, 2010)
- *Larinia* sp. (Quasin and Uniyal, 2011a; Gupta and Siliwal, 2012)
- *Lipocrea fusiformis* (Thorell, 1877) (Simon, 1889)
- *Neoscona achine* (Simon, 1906) (Quasin and Uniyal, 2011a; Uniyal et al., 2011)
- *Neoscona bengalensis* Tikader and Bal, 1981 (Quasin and Uniyal, 2011a; Gupta and Siliwal, 2012)
- *Neoscona biswasi* Bhandari and Gajbe, 2001 (Quasin and Uniyal, 2011a; Uniyal et al., 2011)
- *Neoscona chrysanthusi* Tikader and Bal, 1981 (Gupta and Siliwal, 2012)
- *Neoscona inusta* (L. Koch, 1871) (Quasin and Uniyal, 2013)
- *Neoscona mukerjei* Tikader, 1980 (Biswas and Biswas, 2010; Uniyal and Hore, 2006; Quasin and Uniyal, 2010, 2011a, 2013; Uniyal et al., 2011; Pooja et al., 2019)
- *Neoscona nautica* (L. Koch, 1875) (Biswas and Biswas, 2010; Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011; Gupta and Siliwal, 2012; Siddhu et al., 2020)
- *Neoscona odites* (Simon, 1906) (Biswas and Biswas, 2010)
- *Neoscona pavida* (Simon, 1906) (Biswas and Biswas, 2010)
- *Neoscona shillongensis* Tikader and Bal, 1981 (Biswas and Biswas, 2010; Quasin and Uniyal, 2011a; Uniyal et al., 2011)
- *Neoscona sinhagadensis* (Tikader, 1975) (Gupta and Siliwal, 2012)
- *Neoscona theisi* (Walckenaer, 1837) (Biswas and Biswas, 2010; Quasin and Uniyal, 2011a, 2013; Uniyal et al., 2011; Gupta and Siliwal, 2012; Pooja et al., 2019; Siddhu et al., 2020)
- *Neoscona vigilans* (Blackwall, 1865) (Biswas and Biswas, 2010; Quasin and Uniyal, 2011a; Uniyal et al., 2011; Gupta and Siliwal, 2012)
- *Neoscona* sp. (Uniyal et al., 2011; Pooja et al., 2019)
- *Nephila dirangensis* Biswas and Biswas, 2006 (Biswas and Biswas, 2010)
- *Nephila kuhlii* (Doleschall, 1859) (Biswas and Biswas, 2010)
- *Nephila pilipes* (Fabricius, 1793) (Simon, 1889; Pocock, 1900; Biswas and Biswas, 2010; Gupta and Siliwal, 2012; Siddhu et al., 2020)
- *Nephilengys malabarensis* (Walckenaer, 1841) (Biswas and Biswas, 2010)
- *Parawixia dehaani* (Doleschall, 1859) (Uniyal and Hore, 2006; Quasin and Uniyal, 2010, 2011a; Uniyal et

al., 2011; Gupta and Siliwal, 2012)
- *Parawixia* sp. (Uniyal et al., 2011)
- *Plebs himalayaensis* (Tikader, 1975) (Uniyal et al., 2011; Pooja et al., 2019)
- *Thelacantha brevispina* (Doleschall, 1857) (Pocock, 1900; Simon, 1897; Tikader, 1982; Quasin and Uniyal, 2011a; Uniyal et al., 2011)
- *Trichonephila clavata* (L. Koch, 1878) (Biswas and Biswas, 2010; Uniyal et al., 2011)

3.2.5 Family Atypidae

- *Atypus wii* Siliwal et al., 2014 (Siliwal et al., 2014)

3.2.6 Family Cheiracanthiidae

- *Cheiracanthium danieli* Tikader, 1975 (Quasin and Uniyal, 2011a)
- *Cheiracanthium himalayense* Gravely, 1931 (Majumder and Tikader, 1991; Biswas and Biswas, 2010)
- *Cheiracanthium melanostomum* (Thorell, 1895) (Biswas and Biswas, 2010; Pooja et al., 2019)
- *Cheiracanthium pauriense* Majumder and Tikader, 1991 (Majumder and Tikader, 1991; Biswas and Biswas, 2010)
- *Cheiracanthium rupicola* (Thorell, 1897) (Uniyal et al., 2011)
- *Cheiracanthium sadanai* Tikader, 1976 (Biswas and Biswas, 2010)
- *Cheiracanthium* sp. (Quasin and Uniyal, 2010; Uniyal et al., 2011; Gupta and Siliwal, 2012; Pooja et al., 2019)
- *Cheiracanthium triviale* (Thorell, 1895) (Biswas and Biswas, 2010)

3.2.7 Family Clubionidae

- *Clubiona chakrabartei* Majumder and Tikader, 1991 (Majumder and Tikader, 1991; Biswas and Biswas, 2010)
- *Clubiona diversa* O. P.-Cambridge, 1862 (Biswas and Biswas, 2010)
- *Clubiona drassodes* Pickard-Cambridge, 1874 (Majumder and Tikader, 1991; Biswas and Biswas, 2010)
- *Clubiona hysgina* Simon, 1889 (Simon, 1889; Biswas and Biswas, 2010)
- *Clubiona shillongensis* Majumder and Tikader, 1991 (Biswas and Biswas, 2010)
- *Clubiona tikaderi* Majumder and Tikader, 1991 (Biswas and Biswas, 2010)
- *Clubiona* sp. (Quasin and Uniyal, 2011a; Gupta and Siliwal, 2012; Quasin and Uniyal, 2010; Quasin and Uniyal, 2013)

3.2.8 Family Corinnidae

- *Apochinomma dolosum* Simon, 1897 (Simon, 1897; Majumder and Tikader, 1991; Biswas and Biswas, 2010)
- *Castianeira zetes* Simon, 1897 (Uniyal et al., 2011)
- *Corinnomma severum* (Thorell, 1877) (Simon, 1897)
- *Castianeira* sp. (Gupta and Siliwal, 2012)

3.2.9 Family Ctenidae

- *Amauropelma staschi* Jager, 2012 (Jäger, 2012)
- *Anahita smythiesi* (Simon, 1897) (Simon, 1897; Gravely, 1931; Tikader and Malhotra, 1981)
- *Nilus* sp. (Jithin et al., 2021)

3.2.10 Family Cybaeidae

- *Cedicus bucculentus* Simon, 1889 (Simon, 1889)

3.2.11 Family Dictynidae

• *Dictyna* sp. (Quasin and Uniyal, 2010; Gupta and Siliwal, 2012)

3.2.12 Family Eresidae

• *Stegodyphus sarasinorum* Karsch, 1892 (Biswas and Biswas, 2010)

3.2.13 Family Filistatidae

• *Pritha* sp. (Gupta and Siliwal, 2012)

3.2.14 Family Gnaphosidae

• *Callilepis rajani* Gajbe, 1983 (Gajbe, 1983)
• *Camillina smythiesi* (Simon, 1897) (Simon, 1897; Tikader, 1982)
• *Drassodes deoprayagensis* Tikader and Gajbe, 1975 (Tikader and Gajbe, 1975; Tikader, 1982; Gajbe, 1988)
• *Drassodes gangeticus* Tikader and Gajbe, 1975 (Tikader and Gajbe, 1975; Tikader, 1982)
• *Drassodes himalayensis* Tikader and Gajbe, 1975 (Tikader and Gajbe, 1975; Tikader, 1982; Gajbe, 1988, 2005)
• *Drassodes luridus* (Pickard-Cambridge, 1874) (Biswas and Biswas, 2010)
• *Drassodes sirmourensis* (Tikader and Gajbe, 1977) (Biswas and Biswas, 2010)
• *Drassodes sitae* Tikader and Gajbe, 1975 (Tikader and Gajbe, 1975; Tikader, 1982; Gajbe, 1988)
• *Drassodes viveki (*Gajbe, 1992) (Gajbe, 1992b)
• *Drassodes* sp. (Quasin and Uniyal, 2011a, 2013; Uniyal et al., 2011)
• *Gnaphosa kankhalae* Biswas and Roy, 2008 (Biswas and Roy, 2008)
• *Gnaphosa pauriensis* Tikader and Gajbe, 1977 (Tikader and Gajbe, 1977a; Tikader, 1982; Gajbe, 1988)
• *Gnaphosa poonaensis* Tikader, 1973 (Biswas and Biswas, 2010; Uniyal et al., 2011)
• *Gnaphosa* sp. (Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011)
• *Haplodrassus dumdumensis* Tikader, 1982 (Biswas and Biswas, 2010)
• *Haplodrassus sataraensis* Tikader and Gajbe, 1977 (Gajbe, 1988; Biswas and Biswas, 2010)
• *Haplodrassus tehriensis* Tikader and Gajbe, 1977 (Tikader and Gajbe, 1977b; Gajbe, 1988)
• *Herpyllus* sp. (Uniyal et al., 2011; Pooja et al., 2019)
• *Megamyrmaekion pritiae* (Tikader, 1982) (Biswas and Biswas, 2010)
• *Poecilochroa kuljitae* (Tikader, 1982) (Biswas and Biswas, 2010)
• *Poecilochroa sedula* (Simon, 1897) (Simon, 1897; Tikader, 1982)
• *Scotophaeus madalasae* Tikader and Gajbe, 1977 (Tikader and Gajbe, 1977c; Gajbe, 1988)
• *Scotophaeus* sp. (Quasin and Uniyal, 2011a; Uniyal et al., 2011)
• *Setaphis subtilis* (Simon, 1897) (Biswas and Biswas, 2010)
• *Zelotes mandlaensis* Tikader and Gajbe, 1976 (Biswas and Biswas, 2010)
• *Zelotes nainitalensis* Tikader and Gajbe, 1976 (Tikader and Gajbe, 1976a; Tikader, 1982; Biswas and Biswas, 2010)
• *Zelotes sataraensis* Tikader and Gajbe, 1979 (Gajbe, 1988)
• *Zelotes surekhae* Tikader and Gajbe, 1976 (Biswas and Biswas, 2010)
• *Zelotes* sp. (Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011)

3.2.15 Family Hahniidae

• *Hahnia* sp. (Uniyal et al., 2011)

3.2.16 Family Hersiliidae

• *Hersilia savignyi* Lucas, 1836 (Gajbe, 2007; Biswas and Biswas, 2010; Gupta and Siliwal, 2012; Pooja et al., 2019)
• *Hersilia* sp. (Uniyal et al., 2011; Pooja et al., 2019)

3.2.17 Family Idiopidae

• *Heligmomerus wii* Siliwal et al., 2020 (Siliwal et al., 2020)

3.2.18 Family Linyphiidae

• *Agyneta* sp. (Uniyal et al., 2011)
• *Anguliphantes nepalensis* Tanasevitch, 2011 (Tanasevitch, 2011)
• *Atypena adelinae* Barrion and Litsinger, 199 (Uniyal et al., 2011)
• *Bathyphantes sp.* (Uniyal et al., 2011)
• *Caviphantes pseudosaxetorum* Wunderlich, 1979 (Tanasevitch, 2011)
• *Cresmatoneta leucophthalma* (Fage, 1946) (Fage, 1946)
• *Erigone* sp. (Quasin and Uniyal, 2011a)
• *Gongylidiellum confusum* Thaler, 1987 (Tanasevitch, 2011)
• *Gongylidioides pectinatus* Tanasevitch, 2011 (Tanasevitch, 2011)
• *Lepthyphantes rudrai* Tikader, 1970 (Biswas and Biswas, 2010)
• *Linyphia sikkimensis* Tikader, 1970 (Biswas and Biswas, 2010)
• *Linyphia* sp. (Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011; Gupta and Siliwal, 2012)
• *Microbathyphantes palmarius* (Marples, 1955) (Tanasevitch, 2011)
• *Microlinyphia* sp. (Uniyal et al., 2011)
• *Neriene birmanica* (Thorell, 1887) (Pooja et al., 2019; Siddhu et al., 2020)
• *Neriene macella* (Thorell, 1898) (Tanasevitch, 2017)
• *Neriene* sp. (Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011)
• *Neriene sundaica* (Simon, 1905) (Gupta and Siliwal, 2012)
• *Pelecopsis indus* Tanasevitch, 2011 (Tanasevitch, 2011)
• *Pityohyphantes* sp. (Uniyal et al., 2011)
• *Scotargus pilosus* Simon, 1913 (Tanasevitch, 2011)
• *Tiso incisus* Tanasevitch, 2011 (Tanasevitch, 2011)

3.2.19 Family Liocranidae

• *Agroeca gangotrae* Biswas and Roy, 2008 (Biswas and Roy, 2008)
• *Oedignatha procerula* Simon, 1897 (Simon, 1897; Majumder and Tikader, 1991; Biswas and Biswas, 2010)
• *Oedignatha* sp. (Uniyal et al., 2011)
• *Paratus indicus* Marusik, Zheng and Li, 2008 (Marusik et al., 2008)
•*Sphingius nainitalensis* (Gajbe, 1979) (Gajbe, 1979; Biswas and Biswas, 2010)

3.2.20 Family Lycosidae

• *Arctosa himalayensis* Tikader and Malhotra, 1980 (Tikader and Malhotra, 1980)
• *Arctosa indica* Tikader and Malhotra, 1980 (Biswas and Biswas, 2010)
• *Arctosa khudiensis* (Sinha, 1951) (Uniyal and Hore, 2006)
• *Arctosa mulani* (Dyal, 1935) (Biswas and Biswas, 2010)
• *Arctosa* sp. (Gupta and Siliwal, 2012)
• *Draposa atropalpis* (Gravely, 1924) (Biswas and Biswas, 2010)

- *Draposa burasantiensis* (Tikader and Malhotra, 1976) (Biswas and Biswas, 2010)
- *Draposa lyrivulva* (Bösenberg and Strand, 1906) (Biswas and Biswas, 2010)
- *Draposa oakleyi* (Gravely, 1924) (Biswas and Biswas, 2010)
- *Evippa rajasthanea* Tikader and Malhotra, 1980 (Uniyal and Hore, 2006)
- *Evippa sohani* Tikader and Malhotra, 1980 (Uniyal and Hore, 2006)
- *Hippasa agelenoides* (Simon, 1884) (Simon, 1897; Tikader and Malhotra, 1980; Biswas and Biswas, 2010; Quasin and Uniyal, 2010, 2011a)
- *Hippasa greenalliae* (Blackwall, 1867) (Biswas and Biswas, 2010; Quasin and Uniyal, 2013)
- *Hippasa holmerae* Thorell, 1895 (Tikader and Malhotra, 1980; Biswas and Biswas, 2010)
- *Hippasa loundesi* Gravely, 1924 (Biswas and Biswas, 2010)
- *Hippasa lycosina* Pocock, 1900 (Tikader and Malhotra, 1980; Biswas and Biswas, 2010)
- *Hippasa madraspatana* Gravely, 1924 (Biswas and Biswas, 2010)
- *Hippasa olivacea* (Thorell, 1887) (Leardi in Airaghi, 1901; Bastawade and Borkar, 2008)
- *Hippasa pisaurina* Pocock, 1900 (Uniyal and Hore, 2006)
- *Hogna himalayensis* (Gravely, 1924) (Biswas and Biswas, 2010)
- *Hogna stictopyga* (Thorell, 1895) (Leardi in Airaghi, 1901)
- *Lycosa carmichaeli* Gravely, 1924 (Gravely, 1924; Tikader and Malhotra, 1980; Bastawade and Borkar, 2008)
- *Lycosa chaperi* Simon, 1885 (Biswas and Biswas, 2010)
- *Lycosa fuscana* Pocock, 1901 (Biswas and Biswas, 2010)
- *Lycosa indagatrix* Walckenaer, 1837 (Biswas and Biswas, 2010)
- *Lycosa iranii* Pocock, 1901 (Biswas and Biswas, 2010)
- *Lycosa lambai* Tikader and Malhotra, 1980 (Biswas and Biswas, 2010)
- *Lycosa madani* Pocock, 1901 (Biswas and Biswas, 2010)
- *Lycosa mahabaleshwarensis* Tikader and Malhotra, 1980 (Biswas and Biswas, 2010)
- *Lycosa nigrotibialis* Simon, 1884 (Biswas and Biswas, 2010)
- *Lycosa phipsoni* Pocock, 1899 (Biswas and Biswas, 2010)
- *Lycosa pictula* Pocock, 1901 (Biswas and Biswas, 2010)
- *Lycosa prolifica* Pocock, 1901 (Tikader and Malhotra, 1980; Biswas and Biswas, 2010)
- *Lycosa shillongensis* Tikader and Malhotra, 1980 (Biswas and Biswas, 2010)
- *Lycosa tista* Tikader, 1970 (Uniyal et al., 2011; Biswas and Biswas, 2010; Siddhu et al., 2020)
- *Lycosa* sp. (Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011; Pooja et al., 2019)
- *Pardosa algoides* Schenkel, 1963 (Biswas and Biswas, 2010)
- *Pardosa altitudis* Tikader and Malhotra, 1980 (Tikader and Malhotra, 1980)
- *Pardosa fletcheri* (Gravely, 1924) (Tikader and Malhotra, 1980)
- *Pardosa heterophthalma* (Simon, 1898) (Biswas and Biswas, 2010)
- *Pardosa kupupa* (Tikader, 1970) (Biswas and Biswas, 2010)
- *Pardosa minuta* Tikader and Malhotra, 1976 (Biswas and Biswas, 2010)
- *Pardosa mukundi* Tikader and Malhotra, 1980 (Biswas and Biswas, 2010)
- *Pardosa pseudoannulata* (Bösenberg and Strand, 1906) (Biswas and Biswas, 2010; Quasin and Uniyal, 2011a; Siddhu et al., 2020)
- *Pardosa rhenockensis* (Tikader, 1970) (Biswas and Biswas, 2010)
- *Pardosa shyamae* (Tikader, 1970) (Biswas and Biswas, 2010; Pooja et al., 2019)
- *Pardosa songosa* Tikader and Malhotra, 1976 (Tikader and Malhotra, 1976; Gupta and Siliwal, 2012; Pooja

et al., 2019)
- *Pardosa sumatrana* (Thorell, 1890) (Biswas and Biswas, 2010; Quasin and Uniyal, 2010, 2011a; Siddhu et al., 2020)
- *Pardosa* sp. (Quasin and Uniyal, 2010; Pooja et al., 2019)
- *Trochosa himalayensis* Tikader and Malhotra, 1980 (Tikader and Malhotra, 1980; Biswas and Biswas, 2010)
- *Trochosa punctipes* (Gravely, 1924) (Biswas and Biswas, 2010)
- *Trochosa* sp. (Uniyal et al., 2011)
- *Wadicosa fidelis* (O. Pickard-Cambridge, 1872) (Tikader and Malhotra, 1980; Biswas and Biswas, 2010; Gupta and Siliwal, 2012)
- *Wadicosa quadrifera* (Gravely, 1924) (Biswas and Biswas, 2010)

3.2.21 Family Mimetidae

- *Mimetus* sp. (Uniyal et al., 2011)

3.2.22 Family Nesticidae

- *Nesticella nepalensis* (Hubert, 1973) (Lin et al., 2016)

3.2.23 Family Oecobiidae

- *Oecobius* sp. (Uniyal et al., 2011; Gupta and Siliwal, 2012)

3.2.24 Family Oonopidae

- *Camptoscaphiella fulva* Caporiacco, 1935 (Baehr and Ubick, 2010)
- *Camptoscaphiella glenniei* (Fage, 1946) (Fage, 1946; Grismado et al., 2014)
- *Dysderoides typhlos* Fage, 1946 (Fage, 1946; Grismado et al., 2014)
- *Pelicinus lachivala* Platnick et al., 2012 (Platnick et al., 2012)

3.2.25 Family Oxyopidae

- *Hamadruas sikkimensis* (Tikader, 1970) (Uniyal and Hore, 2006)
- *Hamataliwa* sp. (Uniyal et al., 2011; Pooja et al., 2019)
- *Oxyopes javanus* Thorell, 1887 (Quasin and Uniyal, 2010; Uniyal et al., 2011; Gupta and Siliwal, 2012; Pooja et al., 2019)
- *Oxyopes kusumae* Gajbe, 1999 (Pooja et al., 2019)
- *Oxyopes pankaji* Gajbe and Gajbe, 2000 (Siddhu et al., 2020)
- *Oxyopes shweta* Tikader 1970 (Biswas and Biswas, 2010; Uniyal et al., 2011; Gupta and Siliwal, 2012; Pooja et al., 2019)
- *Oxyopes* sp. (Quasin and Uniyal, 2011a; Uniyal et al., 2011; Gupta and Siliwal, 2012; Pooja et al., 2019; Siddhu et al., 2020)
- *Peucetia latikae* Tikader, 1970 (Biswas and Biswas, 2010)
- *Peucetia viridana* (Stoliczka, 1869) (Simon, 1889; Biswas and Biswas, 2010; Gupta and Siliwal, 2012)
- *Peucetia* sp. (Uniyal et al., 2011)

3.2.26 Family Palpimanidae

- *Palpimanus* sp. (Uniyal et al., 2011)

3.2.27 Family Philodromidae

- *Philodromus chambaensis* Tikader, 1980 (Tikader, 1980; Quasin and Uniyal, 2010; Uniyal et al., 2011)

• *Philodromus* sp. (Quasin and Uniyal, 2011a; Uniyal et al., 2011)
• *Tibellus elongatus* Tikader, 1960 (Gupta and Siliwal, 2012)
• *Tibellus* sp. (Quasin and Uniyal, 2011a)

3.2.28 Family Pholcidae

• *Artema atlanta* Walckenaer, 1837 (Gupta and Siliwal, 2012)
• *Crossopriza lyoni* (Blackwall, 1867) (Biswas and Biswas, 2010; Gupta and Siliwal, 2012; Siddhu et al., 2020)
• *Pholcus djelalabad* Senglet, 2008 (Huber, 2011)
• *Pholcus phalangioides* (Fuesslin, 1775) (Quasin and Uniyal, 2010, 2011a)
• *Pholcus* sp. (Gupta and Siliwal, 2012)

3.2.29 Family Pimoidae

• *Pimoa crispa* (Fage, 1946) (Fage, 1946)
• *Pimoa nainital* Zhang and Li, 2021 (Lin et al., 2021)

3.2.30 Family Pisauridae

• *Nilus albocinctus* (Doleschall, 1859) (Pooja et al., 2019)
• *Perenethis dentifasciata* (O. Pickard-Cambridge, 1885) (Gupta and Siliwal, 2012)
• *Perenethis* sp. (Uniyal et al., 2011)
• *Perenethis venusta* L. Koch, 1878 (Gupta and Siliwal, 2012)
• *Pisaura mirabilis* (Clerck, 1757) (Uniyal et al., 2011)
• *Pisaura* sp. (Quasin and Uniyal, 2013; Uniyal et al., 2011; Gupta and Siliwal, 2012)

3.2.31 Family Psechridae

• *Psechrus himalayanus* Simon, 1906 (Simon, 1906; Levi, 1982; Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011; Bayer, 2012)
• *Psechrus torvus* (O. Pickard-Cambridge, 1869) (Gupta and Siliwal, 2012)

3.2.32 Family Salticidae

• *Aelurillus quadrimaculatus* Simon, 1889 (Simon, 1889)
• *Asemonea tenuipes* (Pickard-Cambridge, 1869) (Gupta and Siliwal, 2012)
• *Bianor albobimaculatus* (Lucas, 1846) (Logunov, 2019)
• *Bianor angulosus* (Karsch, 1879) (Siddhu et al., 2020)
• *Bianor balius* Thorell, 1890 (Pooja et al., 2019)
• *Bianor narmadaensis* (Tikader, 1975) (Biswas and Biswas, 2010)
• *Bianor pashanensis* (Tikader, 1975) (Biswas and Biswas, 2010)
• *Bianor* sp. (Gupta and Siliwal, 2012)
• *Brettus anchorum* Wanless, 1979 (Gupta and Siliwal, 2012; Pooja et al., 2019)
• *Carrhotus erus* Jastrzębski, 1999 (Logunov, 2021)
• *Carrhotus sannio* (Thorell, 1877) (Logunov, 2021)
• *Carrhotus* sp. (Quasin and Uniyal, 2010; Uniyal et al., 2011)
• *Chrysilla volupe* (Karsch, 1879) (Caleb et al., 2018a)
• *Cosmophasis* sp. (Quasin and Uniyal, 2010)
• *Epeus indicus* Prószyński, 1992 (Gupta and Siliwal, 2012)
• *Epocilla aurantiaca* (Simon, 1885) (Gupta and Siliwal, 2012)
• *Evarcha pococki* Zabka, 1985 (Gupta and Siliwal, 2012)

- *Evarcha* sp. (Pooja et al., 2019; Siddhu et al., 2020)
- *Hasarius adansoni* (Audouin, 1826) (Gupta and Siliwal, 2012)
- *Heliophanus curvidens* (O. P.-Cambridge. 1872) (Uniyal et al., 2011)
- *Hyllus semicupreus* (Simon, 1885) (Biswas and Biswas, 2010; Quasin and Uniyal, 2010; Pooja et al., 2019)
- *Hyllus* sp. (Uniyal et al., 2011)
- *Marengo crassipes* Peckham and Peckham, 1892 (Gupta and Siliwal, 2012)
- *Marpissa pauariensis* Biswas and Roy, 2008 (Biswas and Roy, 2008)
- *Menemerus bivittatus* (Dufour, 1831) (Gupta and Siliwal, 2012)
- *Menemerus* sp. (Gupta and Siliwal, 2012; Siddhu et al., 2020)
- *Myrmaplata plataleoides* (O. Pickard-Cambridge, 1869) (Pooja et al., 2019)
- *Myrmarachne melanocephala* MacLeay, 1839 (Biswas and Biswas, 2010; Quasin and Uniyal, 2011a; Uniyal et al., 2011; Yadav and Prakash, 2021)
- *Myrmarachne prava* (Karsch, 1880) (Biswas and Biswas, 2010)
- *Myrmarachne* sp. (Uniyal et al., 2011; Gupta and Siliwal, 2012; Quasin and Uniyal, 2013)
- *Nandicius frigidus* (Pickard-Cambridge, 1885) (Simon, 1889)
- *Nandicius mussooriensis* (Prószyński, 1992) (Prószyński, 1992)
- *Nandicius vallisflorum* Caleb et al., 2018 (Caleb et al., 2018b)
- *Onomastus* sp. (Gupta and Siliwal, 2012)
- *Orientattus aurantius* (Kanesharatnam and Benjamin, 2018) (Caleb and Acharya, 2019)
- *Pancorius* sp. (Gupta and Siliwal, 2012)
- *Pellenes himalaya* Caleb et al., 2018 (Caleb et al., 2018b)
- *Pellenes* sp. (Uniyal et al., 2011)
- *Phintella vittata* (C L Koch, 1846) (Sherriffs, 1931; Gupta and Siliwal, 2012; Pooja et al., 2019)
- *Phintella* sp. (Uniyal et al., 2011)
- *Phintelloides versicolor* (C. L. Koch, 1846) (Gupta and Siliwal, 2012)
- *Phlegra dhakuriensis* (Tikader, 1974) (Biswas and Biswas, 2010)
- *Phlegra* sp. (Uniyal et al., 2011)
- *Plexippus calcutaensis* (Tikader, 1974) (Biswas and Biswas, 2010)
- *Plexippus paykulli* (Audouin, 1826) (Simon, 1889; Biswas and Biswas, 2010; Uniyal et al., 2011; Gupta and Siliwal, 2012; Pooja et al., 2019; Siddhu et al., 2020; Logunov, 2021)
- *Plexippus* sp. (Quasin and Uniyal, 2010, 2013; Uniyal et al., 2011; Gupta and Siliwal, 2012; Pooja et al., 2019)
- *Portia albimana* (Simon, 1900) (Simon, 1900; Sherriffs, 1931; Wanless, 1978)
- *Portia* sp. (Gupta and Siliwal, 2012)
- *Pseudicius* sp. (Uniyal et al., 2011)
- *Rhene danieli* Tikader, 1973 (Quasin and Uniyal, 2010; Uniyal et al., 2011)
- *Rhene flavicomans* Simon, 1902 (Uniyal et al., 2011; Gupta and Siliwal, 2012)
- *Rhene flavigera* (C.L. Koch, 1846) (Quasin and Uniyal, 2010; Pooja et al., 2019)
- *Rhene mus* (Simon, 1889 (Simon, 1889)
- *Rhene rubrigera* (Thorell, 1887) (Gupta and Siliwal, 2012)
- *Rhene* sp. (Quasin and Uniyal, 2011a; Uniyal et al., 2011; Pooja et al., 2019)
- *Salticus* sp. (Uniyal et al., 2011)
- *Siler* sp. (Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011)
- *Stenaelurillus* sp. (Uniyal et al., 2011; Siddhu et al., 2020)

- *Synagelides martensi* Bohdanowicz, 1987 (Logunov and Hereward, 2006)
- *Telamonia dimidiata* (Simon, 1899) (Biswas and Biswas, 2010; Gupta and Siliwal, 2012; Pooja et al., 2019; Siddhu et al., 2020)
- *Thiania bhamoensis* Thorell, 1887 (Gupta and Siliwal, 2012)
- *Thiania* sp. (Uniyal et al., 2011)
- *Thyene bivittata* Xie and Peng, 1995 (Logunov, 2021)
- *Thyene imperialis* (Rossi 1846) (Logunov, 2021)
- *Thyene* sp. (Gupta and Siliwal, 2012)

3.2.33 Family Scytodidae

- *Scytodes propinqua* Stoliczka, 1869 (Simon, 1897)
- *Scytodes thoracica* (Latreille, 1802) (Uniyal et al., 2011)
- *Scytodes* sp. (Uniyal et al., 2011)

3.2.34 Family Segestriidae

- *Segestria* sp. (Uniyal et al., 2011)

3.2.35 Family Selenopidae

- *Makdiops agumbensis* (Tikader, 1969) (Biswas and Biswas, 2010)
- *Makdiops montigena* (Simon, 1889) (Simon, 1889; Pocock, 1900; Gravely, 1931; Crews and Harvey, 2011; Sankaran et al., 2020a)
- *Selenops radiatus* Latreille, 1819 (Leardi in Airaghi, 1901; Quasin and Uniyal, 2010; Uniyal et al., 2011; Kumar et al., 2017a)
- *Selenops* sp. (Quasin and Uniyal, 2011a, 2013)

3.2.36 Family Sparassidae

- *Heteropoda bhaikakai* Patel and Patel, 1973 (Biswas and Biswas, 2010)
- *Heteropoda kandiana* Pocock, 1899 (Biswas and Biswas, 2010)
- *Heteropoda kuluensis* Sethi and Tikader, 1988 (Biswas and Biswas, 2010)
- *Heteropoda leprosa* Simon, 1884 (Sethi and Tikader, 1988)
- *Heteropoda nilgirina* Pocock, 1901 (Sethi and Tikader, 1988)
- *Heteropoda pedata* Strand, 1907 (Strand, 1907, 1909)
- *Heteropoda phasma* Simon, 1897 (Pocock, 1900; Sethi and Tikader, 1988; Biswas and Biswas, 2010)
- *Heteropoda venatoria* (Linnaeus 1767) (Leardi in Airaghi, 1901; Biswas and Biswas, 2010; Quasin and Uniyal, 2010, 2011a, 2013; Uniyal et al., 2011; Siddhu et al., 2020)
- *Heteropoda* sp. (Uniyal et al., 2011; Gupta and Siliwal, 2012)
- *Olios milleti* (Pocock, 1901) (Gupta and Siliwal, 2012)
- *Olios punctipes* Simon, 1884 (Strand, 1909)
- *Olios rosettii* (Leardi in Airaghi, 1901) (Leardi in Airaghi, 1901)
- *Olios sanguinifrons* (Simon, 1906) (Uniyal et al., 2011; Pooja et al., 2019)
- *Olios* sp. (Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011)
- *Pseudopoda casaria* (Simon, 1897) (Gravely, 1931; Jäger, 2001)
- *Pseudopoda lutea* (Thorell, 1895) (Leardi in Airaghi, 1901)
- *Pseudopoda prompta* (Pickard-Cambridge, 1885) (Pocock, 1900; Strand, 1909; Sethi and Tikader, 1988; Jäger, 2001; Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011)

- *Pseudopoda* sp. (Uniyal et al., 2011)
- *Spariolenus tigris* Simon, 1880 (Biswas and Biswas, 2010)

3.2.37 Family Tetrablemmidae

- *Tetrablemma loebli* Bourne, 1980 (Bourne, 1980; Sankaran and Sebastian, 2016)

3.2.38 Family Tetragnathidae

- *Dyschiriognatha* sp. (Uniyal et al., 2011)
- *Guizygeilla* sp. (Uniyal et al., 2011)
- *Guizygiella indica* (Tikader and Bal, 1980) (Hore and Uniyal, 2008a; Uniyal and Hore, 2009; Quasin and Uniyal, 2013)
- *Guizygiella* sp. (Uniyal et al., 2011)
- *Leucauge celebesiana* (Walckenaer, 1841) (Biswas and Biswas, 2010; Quasin and Uniyal, 2011a; Uniyal et al., 2011)
- *Leucauge decorata* (Blackwall, 1864) (Simon, 1889; Gravely, 1921; Tikader, 1982; Uniyal and Hore, 2006; Gupta and Siliwal, 2012; Biswas and Biswas, 2010; Quasin and Uniyal, 2010, 2011a, 2013; Uniyal et al., 2011; Pooja et al., 2019; Siddhu et al., 2020)
- *Leucauge parangscipinia* Barrion and Litsinger, 1995 (Gupta and Siliwal, 2012)
- *Leucauge tessellata* (Thorell, 1887) (Biswas and Biswas, 2010)
- *Leucauge* sp. (Uniyal et al., 2011)
- *Metellina* sp. (Uniyal et al., 2011)
- *Opadometa fastigata* (Simon, 1877) (Gravely, 1921; Tikader, 1982; Gupta and Siliwal, 2012)
- *Tetragnatha andamanensis* Tikader, 1977 (Biswas and Biswas, 2010)
- *Tetragnatha javana* (Thorell, 1890) (Biswas and Biswas, 2010; Siddhu et al., 2020)
- *Tetragnatha keyserlingi* Simon, 1890 (Uniyal et al., 2011; Gupta and Siliwal, 2012)
- *Tetragnatha mandibulata* Walckenaer, 1842 (Gupta and Siliwal, 2012)
- *Tetragnatha* sp. (Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011; Gupta and Siliwal, 2012; Siddhu et al., 2020)
- *Tylorida striata* (Thorell, 1877) (Siddhu et al., 2020)
- *Tylorida ventralis* (Thorell, 1877) (Siddhu et al., 2020)

3.2.39 Family Theraphosidae

- *Haplocosmia himalayana* (Pocock, 1899) (Pocock, 1899, 1900; Siliwal et al., 2011; Gupta and Siliwal, 2012)
- *Chilobrachys himalayensis* (Tikader, 1977) (Biswas and Biswas, 2010)
- *Chilobrachys khasiensis* (Tikader, 1977) (Biswas and Biswas, 2010)
- *Lyrognathus saltator* Pocock, 1900 (Siddhu et al., 2020)
- *Poecilotheria regalis* Pocock, 1899 (Biswas and Biswas, 2010)

3.2.40 Family Theridiidae

- *Achaearanea durgae* Tikader, 1970 (Biswas and Biswas, 2010)
- *Achaearanea* sp. (Quasin and Uniyal, 2013)
- *Argyrodes argentatus* Pickard-Cambridge, 1880 (Siddhu et al., 2020)
- *Argyrodes gazedes* Tikader, 1970 (Uniyal et al., 2011)
- *Argyrodes* sp. (Quasin and Uniyal, 2010, 2011; Uniyal et al., 2011; Pooja et al., 2019)
- *Chrysso nigriceps* Keyserling, 1884 (Gupta and Siliwal, 2012)

- *Chrysso* sp. (Uniyal et al., 2011; Gupta and Siliwal, 2012)
- *Dipoenura fimbriata* Simon, 1909 (Gupta and Siliwal, 2012)
- *Enoplognatha* sp. (Uniyal et al., 2011)
- *Episinus affinis* Bösenberg and Strand, 1906 (Quasin et al., 2011; Uniyal et al., 2011)
- *Euryopis* sp. (Uniyal et al., 2011; Pooja et al., 2019)
- *Molione triacantha* Thorell, 1892 (Gupta and Siliwal, 2012)
- *Nihonhimea mundula* (L. Koch, 1872) (Quasin and Uniyal, 2010; Pooja et al., 2019)
- *Parasteatoda* sp. (Quasin and Uniyal, 2011a; Uniyal et al., 2011)
- *Phylloneta impressa* (L. Koch, 1881) (Uniyal et al., 2011; Quasin and Uniyal, 2011b)
- *Phylloneta* sp. (Uniyal et al., 2011)
- *Ruborridion musivum* (Simon, 1873) (Quasin et al., 2017b)
- *Steatoda cingulata* (Thorell, 1890) (Quasin et al., 2019)
- *Steatoda* sp. (Uniyal et al., 2011)
- *Theridion subvittatum* Simon, 1889 (Simon, 1889; Prasad et al., 2019)
- *Theridion* sp. (Quasin and Uniyal, 2011a, 2013; Uniyal et al., 2011; Gupta and Siliwal, 2012; Pooja et al., 2019)
- *Thwaitesia margaritifera* Pickard-Cambridge, 1881 (Gupta and Siliwal, 2012)

3.2.41 Family Thomisidae

- *Amyciaea forticeps* (O.Pickard- Cambridge, 1873) (Gupta and Siliwal, 2012)
- *Bomis* sp. (Gupta and Siliwal, 2012)
- *Camaricus formosus* Thorell, 1887 (Biswas and Biswas, 2010; Gupta and Siliwal, 2012)
- *Camaricus* sp. (Uniyal et al., 2011)
- *Diaea* sp. (Quasin and Uniyal, 2010; Uniyal et al., 2011)
- *Henriksenia hilaris* (Thorell, 1877) (Tikader, 1965; Biswas and Biswas, 2010; Uniyal et al., 2011)
- *Heriaeus horridus* Tyschchenko, 1965 (Tikader, 1980)
- *Indoxysticus minutus* (Tikader, 1960) (Uniyal et al., 2011; Gupta and Siliwal, 2012)
- *Lysiteles brunettii* (Tikader, 1962) (Uniyal et al., 2011)
- *Lysiteles niger* Ono, 1979 (Uniyal et al., 2011)
- *Lysiteles* sp. (Quasin and Uniyal, 2010; Uniyal et al., 2011)
- *Massuria roonwali* (Basu, 1964) (Basu, 1964; Tikader, 1971; Gupta and Siliwal, 2012)
- *Mastira menoka* (Tikader, 1963) (Uniyal et al., 2011; Pooja et al., 2019)
- *Misumena mridulai* Tikader, 1962 (Uniyal et al., 2011)
- *Misumena* sp. (Quasin and Uniyal, 2011a, 2013; Uniyal et al., 2011; Gupta and Siliwal, 2012)
- *Misumenoides naginae* Biswas and Roy, 2008 (Biswas and Roy, 2008)
- *Misumenops* sp. (Uniyal et al., 2011)
- *Monaeses* sp. (Gupta and Siliwal, 2012)
- *Oxytate elongata* (Tikader, 1980) (Gupta and Siliwal, 2012)
- *Ozyptila* sp. (Uniyal et al., 2011)
- *Pistius barchensis* Basu, 1965 (Basu, 1965; Tikader, 1971)
- *Pistius bhadurii* Basu, 1965 (Gupta and Siliwal, 2012)
- *Pistius gangulyi* Basu, 1965 (Basu, 1965; Tikader, 1971)
- *Pistius kanikae* Basu, 1964 (Basu, 1964; Tikader, 1971)
- *Pistius robustus* Basu, 1965 (Basu, 1965; Tikader, 1971)
- *Runcinia insecta* (L. Koch, 1875) (Gupta and Siliwal, 2012)

• *Runcinia* sp. (Quasin and Uniyal, 2013; Uniyal and Hore, 2006; Uniyal et al., 2011)
• *Synema decoratum* Tikader, 1960 (Uniyal et al., 2011)
• *Thomisus dentiger* (Thorell, 1887) (Leardi in Airaghi, 1901)
• *Thomisus lobosus* Tikader, 1965 (Gupta and Siliwal, 2012; Pooja et al., 2019)
• *Thomisus onustus* Walckenaer, 1805 (Uniyal et al., 2011)
• *Thomisus projectus* Tikader, 1960 (Biswas and Biswas, 2010)
• *Thomisus* sp. (Uniyal and Hore, 2006; Quasin and Uniyal, 2010; Pooja et al., 2019)
• *Xysticus croceus* Fox, 1937 (Quasin and Uniyal, 2010; Uniyal et al., 2011)
• *Xysticus jaharai* Basu, 1979 (Basu, 1979)
• *Xysticus joyantius* Tikader, 1966 (Uniyal et al., 2011)
• *Xysticus kali* Tikader and Biswas, 1974 (Uniyal et al., 2011)
• *Xysticus shyamrupus* Tikader, 1966 (Biswas and Biswas, 2010)
• *Xysticus sp.* (Quasin and Uniyal, 2011a, 2013; Uniyal et al., 2011; Gupta and Siliwal, 2012)

3.2.42 Family Trachelidae

• *Trachelas chamoli* Quasin, Siliwal and Uniyal, 2018 (Quasin et al., 2018)
• *Trachelas* sp. (Uniyal et al., 2011)

3.2.43 Family Trochanteriidae

• *Plator himalayaensis* Tikader and Gajbe, 1976 (Tikader and Gajbe, 1976b; Sankaran et al., 2020b)
• *Plator indicus* Simon, 1897 (Pocock, 1899, 1900; Uniyal et al., 2011)
• *Plator pandeae* Tikader, 1969 (Tikader, 1969b)

3.2.44 Family Uloboridae

• *Hyptiotes* sp. (Uniyal et al., 2011)
• *Miagrammopes extensus* Simon, 1889 (Simon, 1889)
• *Miagrammopes* sp. (Uniyal et al., 2011; Gupta and Siliwal, 2012)
• *Uloborus danolius* Tikader, 1969 (Biswas and Biswas, 2010; Gupta and Siliwal, 2012)
• *Uloborus krishnae* Tikader, 1970 (Uniyal et al., 2011; Pooja et al., 2019)
• *Uloborus* sp. (Quasin and Uniyal, 2010, 2011a; Uniyal et al., 2011; Gupta and Siliwal, 2012)
• *Zosis geniculata* (Olivier, 1789) (Leardi in Airaghi, 1901; Quasin and Uniyal, 2010; Uniyal et al., 2011; Pooja et al., 2019; Siddhu et al., 2020)

3.2.45 Family Zodariidae

• *Hermippus* sp. (Gupta and Siliwal, 2012)
• *Lutica* sp. (Quasin & Uniyal, 2013)
• *Zodarion* sp. (Uniyal et al., 2011)

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