



E-ISSN: 2320-7078
P-ISSN: 2349-6800
JEZS 2018; 6(5): 2209-2214
© 2018 JEZS
Received: 15-07-2018
Accepted: 20-08-2018

Kananbala A
P.G. Department of Zoology,
D.M. College of Science, Imphal
Manipur, India

Bhubaneshwari M
P.G. Department of Zoology,
D.M. College of Science, Imphal
Manipur, India

Siliwal M
Wildlife Information Liason
Development Society, 9A, Lal
Bahadur Colony, Peelamedu,
Coimbatore, Tamil Nadu, India

A checklist of spiders (Arachnidae: Araneae) of Manipur, India with some first records and a new species *Conothele khunthokhanbi* (Family: Ctenizidae)

Kananbala A, Bhubaneshwari M and Siliwal M

Abstract

A checklist of spiders of Manipur state, north east India is provided here based on the spider study carried out from February 2011 to January 2014 [UGC MRP No. F.No. 39-589/2010 (SR) dt. 10.01.2011] to assess the spider diversity of the study area. A total of 152 species belonging to 87 genera and 26 families were recorded with Salticidae, Lycosidae, Araneae, Tetragnathidae, Thomisidae being the dominant families among all the reported families during the study. During the study, 3 species, *Myrmarachne kiboschensis* Lasser, 1925, *Latrodectus elegans* Thorell 1898, *Epocilla praetextata* Thorell 1887 were recorded for the first time in India. And in addition to these, a new species to the trapezoid spider Genus: *Conothele* Thorell, 1878 was also recorded.

Keywords: Spider, Manipur, *Myrmarachne kiboschensis*, *Latrodectus elegans*, *Epocilla praetextata*, *Conothele* & *Khunthokhanbi* (new species)

Introduction

Spiders (Arachnidae: Araneae) are one of the diverse and functionally important predators regulating the terrestrial arthropod populations [1]. They are one of the most important biological agents in nature which help in keeping the insect population in check. Though the comprehensive account of spiders, which are potential bio-control agent has not been available in India so far, but the spiders are included as important bio-control agents in the Integrated Pest Management (IPM) strategies. India is rich in spider fauna, being represented by 1686 species and 438 genera of 65 families [2]. Major study on spider had been concentrated in Southern, eastern, central and north-eastern part [3]. In India, Pocock [4] and Tikader [5-9] Majumder [10] and others recorded many spider fauna from different parts of the country, Manipur was excluded. ZSI (Zoological Survey of India) for the first time recorded some of the spider fauna of Manipur in State Fauna Series No. 10 [11].

Kananbala *et al.* [12] (2012) recorded & studied the Burmese widow spider *Latrodectus elegans* Thorell 1898 from Manipur which is the first record of India. A new record of an Ant-like spider *Myrmarachne kiboschensis* Lasser, 1925 [12]. They studied the edible spiders of the genus: *Nephila* of Manipur (2013) and some newly recorded species of Salticidae (2014) in the Departmental Proceedings. A new species of the genus: *Conothele khunthokhanbi* sp. nov. [13] was also recorded. The present work, carried out to prepare a checklist of the spiders of Manipur state (Total area 1,848 sq. km), Northeast India, it shares border with Myanmar (lies between 23°83'N – 25°68'; 93°03'E – 94°78'E). It is felt that documentation of the spiders from this state will help the students who are interested in the field of spiders.

2. Materials and Methods

The spider study was carried out from 1st Feb. 2011 to 31st Jan. 2014 during the survey work of the UGC sponsored MRP Ref. No. F.No. 39-589/2010 (SR) dt. 10.01.2011 in different regions of 9 districts of Manipur, 4 in the valley and 5 in the hills.

The present checklist is presented in a taxonomic order; family, genus and species. The classification of Araneae follows Platnick (2012). It is also prepared by referring documents,

Correspondence
Kananbala A
P.G. Department of Zoology,
D.M. College of Science, Imphal
Manipur, India

consulting published books and journals. Unpublished accepted thesis was also consulted. For every species in the checklist (genera with unidentified species), name of the species, author and sex of the species respectively is given. The list includes both Mygalomorpha and Araneomorpha spiders.

3. Results and Discussion

A total of 152 species belonging to 87 genera under 26 families were recorded from the work area. Except the list of the taxa published by ZSI (Zoological Survey of India) in State Fauna Series -10, all the species are new records for Manipur. Some of the species like *Latrodectus elegans* Thorell, 1898, *Myrmarachne kiboschensis* Lasser, 1925, *Epicilla praetextata* Thorell, 1887 are the first report of India (Manipur). The largest number of species represented here is in the Salticidae followed by Lycosidae, Araneidae, Tetragnathidae, Thomisidae etc. The number of genera and species representing each family are given in the Table I and a checklist of Manipur Spiders are given below.

Table I: Number of families, genera and species of Spiders recorded from Manipur during (February 2011 to December 2013)

Sl. No.	Families	Number of genera	Number of Species
Sub-order Mygalomorphae			
1	Ctenizidae Thorell 1887	1	1
2	Theraphosidae Thorell 1870	2	3
Sub-order: Araenomorphae			
3	Agelenidae CL Koch 1837	1	2
4	Amaurobidae Thorell 1870	1	1
5	Araneidae Simon 1895	8	17
6	Clubionidae Wagner 1887	1	5
7	Ctenidae Key Serling 1877	1	1
8	Gnaphosidae Pocock 1898	4	4
9	Hersilidae Thorell 1870	1	2
10	Linyphiidae Blackwall 1859	5	5
11	Lycosidae Sundevall 1833	5	20
12	Miturgidae Simon 1885	1	1
13	Nephilidae Simon 1894	1	2
14	Oxyopidae Thorell 1870	2	9
15	Philodromidae Thorell 1870	1	1
16	Pholcidae CL Koch 1851	3	3
17	Pisauridae Simon 1890	1	1
18	Psechridae Simon 1890	1	1
19	Salticidae Blackwall 1841	20	29
20	Scytodidae Blackwall 1864	1	1
21	Sicariidae Key Serling 1880	1	1
22	Sparassidae Bertkau 1872	4	9
23	Tetragnathidae Menge 1866	4	12
24	Theridiidae Sundevall 1833	5	6
25	Thomisidae Sundevall 1833	10	13
26	Uloboridae Thorell 1869	2	2
Total		87	152

Checklist of Spiders of Manipur (Arachnida: Araneae) (2014). From Mygalomorphae, Manipur represents 2 families, 3 genera and 4 species (including unidentified).

1. Family: Ctenizidae Thorell, 1887

Genera 1 and Species 1.

a. Genus: *Conothele* Thorell, 1878

1. *khunthokhanbi* sp. de. novo. (female is known)

2. Family: Theraphosidae Thorell, 1870

Genera 2, Species 3.

a. Genus: *Lyrognathus* Pocock, 1895.

b. Genus: *Selenocosmia* Ausserer, 1871.

1. Sp. I (Sub-adult female is known)

2. Sp. II (sub-adult male is known)

From Araneomorphae, Manipur represents 24 families 83 genera and 147 species (including unidentified ones).

3. Family Agelenidae C.L. Koch, 1837.

Genera: 1 and species 2.

a. Genus: *Agelena* Walkenaer, 1805

1. *satmila* Tikader, 1970 (female is known)

2. Species I (female is known)

4. Family: Amaurobidae Thorell, 1870

Genera: 1 and species 1.

a. Genus: *Amaurobius* CL Koch, 1837.

1. Species (female is known).

5. Family: Araneidae Clerck, 1757.

Genera: 8 and Species 17.

a. Genus: *Araneus* Clerck, 1757

b. Genus: *Argiope* Audouin, 1826

c. Genus: *Cyclosa* Menge, 1866

d. Genus: *Cyrtophora* Simon, 1864

e. Genus: *Eriovixia* Archer, 1951

f. Genus: *Gasteracantha* Sundevall, 1833

g. Genus: *Neoscona* Simon, 1864

h. Genus: *Parawaxia* F.O.P. -Cambridge, 1904.

[Transferred to other families: *Nephila* Leach, 1815 – see *Nephilidae*].

a. Genus: *Araneus* Clerck, 1757

transferred to other genera:

A. achine Simon, 1906 – see *Neoscona*

A. dehaani (Doleschall, 1859) – see *Parawaxia*

A. laglaizei (Simon, 1877) – see *Eriovixia*

A. nauticus (L. Koch, 1875) – see *Neoscona*

A. theisi (Walkenaer, 1841) – see *Neoscona*.

1. *mitificus* Simon, 1886. (female is known)

b. Genus: *Argiope* Audouin, 1826.

1. *aemula* Walkenaer, 1841 (female is known)

2. *minuta* Karsch, 1879 (female is known)

3. *pulchella* Thorell, 1881 (female is known)

c. Genus: *Cyclosa* Menge, 1866

1. *spirifera* Simon, 1669 (female is known)

2. *bifida* Doleschall, 1859 (female is known)

3. Genus: *Cyrtophora* Simon, 1864

1. *ciatrosa* Stoliczka, 1869 (female is known)

2. *citricola* Forsskal, 1775 (female is known)

e. Genus: *Eriovixia* Archer, 1951

1. *Laglaizei* Simon, 1877. (female is known)

f. Genus: *Gasteracantha* Sundevall, 1833.

1. *kuhlii* CL Koch, 1837. (female is known)

g. Genus: *Neoscona* Simon, 1864

1. *achine* Simon, 1906 (female is known)

2. *nautica* CL Koch, 1875 (female is known)

3. *mukerjei* Tikader, 1980 (female is known)

4. *rumpfi* Thorell, 1878 (female is known)

5. *bengalensis* Tikader & Bal, 1981 (male and female are known)

6. *theisi* Walkenaer, 1887 (female is known)

h. Genus: *Parawaxia* F.O.P. – Cambridge, 1904

1. *dehaani* Doleschall, 1859 (female is known)

6. Family: Clubionidae Wagner, 1887

Genera: 1 and species 5.

- a. Genus *Clubiona* Latreille, 1804

[Transferred to other family. The genus *Chiracanthium* is transferred to the Family: Miturgidae]

1. *analis* Thorell, 1895 (female is known)
2. *drassodes* O.P. Cambridge, 1874 (female is known)
3. *felicata* O.P. Cambridge, 1874 (female is known)
4. *pallidula* Clerck, 1757 (female is known)
5. Unidentified species. (Female is known).

7. Family: Ctenidae Keyserling, 1877.

Genera 1 and species 1.

Genus: *Ctenus* Walkenaer, 1805

1. *meghalayaensis* Tikader, 1976

8. Family: Gnaphosidae Pocock, 1898

Genera 4 species 4.

- a. Genus *Drassodes* Westring, 1851

- b. Genus *Scotophaeus* Simon, 1893

- c. Genus *Zelotes* Gistel, 1848

- d. Genus *Herpyllus* Hentz, 1832

- a. Genus *Drassodes* Westring, 1851

1. cf. *gosiutus* Chamberlin, 1919 (female is known)

- b. Genus *Scotophaeus* Simon, 1893

1. *blackwalli* Thorell, 1817 (female is known).

- c. Genus *Zelotes* Gistel, 1848

1. Unidentified species (both male and sub adult female are known).

- d. Genus *Herpyllus* Hentz, 1832

1. *goensis* Tikader, 1982 (female is known).

9. Family: Hersiliidae Thorell, 1870

Genera: 1 Species: 1.

Genus *Hersilia* Auduin, 1826

1. *savignyi* Lucas 1836 (male and female are known).

10. Family: Linyphiidae Blackwall, 1859

Genera: 5, Species: 5

- a. Genus *Atypena* Simon, 1893

- b. Genus *Labulla* Simon, 1884

- c. Genus *Neriere* Blackwall, 1833

- d. Genus *Eriogone* Auduin, 1826

- e. Genus Unidentify.

- a. Genus *Atypena* Simon, 1893

1. Unidentified species (sub adult male is known).

- b. Genus *Labulla* Simon, 1884

1. Unidentified species (could be new species) (female is known).

- c. Genus *Neriere* Blackwall, 1833

In synonymy:

N. sundaica Simon, 1905 = *N. macella* (Thorell, 1898)

1. *Neriere* cf. *sundaica* Simon, 1905 (female is known).

- d. Genus *Eriogone* Auduin, 1826

1. *Eriogone* cf. *bifurca* Locket, 1982 (male is known).

- e. Genus Unidentify an unidentified genus/species (male is known).

11. Family: Lycosidae Sundevall, 1833

Genera: 5, Species: 20

- a. Genus *Hippasa* Simon, 1885

- b. Genus *Pardosa* CL Koch, 1847

- c. Genus *Lycosa* Latreille, 1804

- d. Genus *Margonia* Hippa and Lehtinen, 1983

- e. Genus *Draposa* Krocestedt, 2010

- a. Genus *Hippasa* Simon, 1885

1. *Pisaurina* Pocock, 1900 (Male and female are known).

2. *greenallinae* Blackwall, 1867 (female is known).

3. *Partita* (OP Cambridge, 1876) (female is known).

4. *Lycosina* Pocock, 1900 (both male and female are known).

- b. Genus *Pardosa* CL Koch, 1847 transferred to other genera *Pardosa atropalpis* (Gravely, 1924) – see *Draposa* Krocestedt, 2010.

1. *sumatrana* (Thorell, 1990) (both male and female are known).

2. *birmanica* Simon, 1884 (both male and female are known).

3. *minuta* Tikader & Malhotra, 1976 (female is known).

4. cf. *buransantiensis* Tikader & Malhotra, 1976 (female is known).

5. *rhenockensis* Tikader, 1970. (female is known).

6. *timidula* Roewer, 1951 (female is known).

7. *Pseudo annulata* Boesenberg & Strand, 1906 (female is known).

- c. Genus *Lycosa* Latreille, 1804

1. *tista* Tikader, 1970 (female is known).

2. *bristiata* Gravely, 1924 (female is known).

3. *shillongensis* Tikader & Malhotra, 1980 (female is known).

4. *iranii* Pocock, 1901 (female is known).

5. *barnesi* Gravely, 1924 (female is known).

6. *madani* pocock, 1901 (female is known).

7. *kempi* Gravely, 1924 (female is known).

- d. Genus *Margonia* Hippa and Lehtinen, 1983 In synonymy *Margonia* Hippa & Lehtinen 1983 = *venonia* Thorell, 1894.

1. *himlayaensis* Gravely, 1924 (female is known).

- e. Genus *Draposa* Krocestedt, 2010

1. *atropalpis* Gravely, 1924 (female is known).

12. Family: Miturgidae Simon, 1885

Genera: 1 Species: 1

- a. Genus *Cheiracanthium* CL Koch, 1839.

1. *trivale* Thorell, 1895 (female is known).

13. Family: Nephilidae Simon, 1894

Genera: 1 Species: 2

- a. Genus *clavata* CL Koch, 1878 (both male and female are known).

- b. *pilipes* Fabricious, 1793 (female is known).

14. Family: Oxyopidae Thorell, 1870

Genera: 2 Species: 8 including an unidentified species.

- a. Genus *oxyopes* Latreille, 1804

- b. Genus *pencetia* Thorell, 1869

- a. Genus *oxyopes* Latreille, 1804

1. *kamalae* Gajbe, 1999 (female is known).

2. *pankaji* Gajber & Gajbe, 2000 (female is known).

3. *ratnae* Tikader, 1970 (both male and female are known).

4. *birmanucus* Thorell, 1869 (both male and female are known).

5. *javanus* Thorell, 1891 (both male and female are known).

6. *pandae* Tikader, 1969 (both male and female are known).

7. *shweta* Tikader, 1970 (female is known).

8. species unidentified.

- b. Genus *Peucetia* Thorell, 1869

1. *viridana* Stoliczka, 1869 (female is known).

15. Family: Philodromidae Thorell, 1870

Genera: 1 Species: 1 (unidentified)

Genus *Philodromus* Walkenaer, 1826

1. species (unidentified) (female is known).

16. Family: Pholcidae CL Koch,1851

Genera: 3 Species: 3

a. Genus *Crossopriza* Simon, 1893

b. Genus *Pholcus* Walkenaer, 1805

c. Genus *Smeringopus* Simon, 1890

a. Genus *Crossopriza* Simon, 1893

1. *lyoni* Blackwall,1867 (both female and male are known)

b. Genus *Pholcus* Walkenaer, 1805

1. *phalangiodes* Feusslin,1775 (female is known).

c. Genus *Smeringopus* Simon, 1890

1. *pallidus* Blackwall,1858 (both male and female are known).

17. Family: Pisauridae Simon, 1890

Genera: 1 Species: 1 (unidentified)

a. Genus *Pisaura* Simon, 1885

1. species (unidentified) (female is known).

18. Family: Psechridae Simon, 1890

Genera: 1 Species: 1

a. Genus *Psechrus* Thorell, 1878

1. *torvus* O.P. Cambridge, 1869 (both male and female are known).

19. Family: Scytodidae Blackwall, 1864

Genera: 1 Species: 1

a. Genus *Scytodes* Latreille, 1864

1. *cf. univittata* Simon, 1882 (both female and male are known).

20. Family: Salticidae Blackwall, 1841

Genera: 19 and Species: 28

a. Genus *Aelurillus* Simon, 1884

b. Genus *Bianor* Pecham & Pecham, 1885

c. Genus *Brettus* Thorell 1895

d. Genus *Burmattus* Proszyski,1991

e. Genus *Epeus* Pecham & Pecham,1886

f. Genus *Epocilla* Thorell,1887

g. Genus *Euphrys* CL Koch,1846

h. Genus *Harmochirus* Simon,1885

i. Genus *Hyllus* Koch CL, 1846

j. Genus *Marpissa* Koch,1846

k. Genus *Menemerus* Simon, 1868

l. Genus *Myrmarachne* Mac Leay,1839

m. Genus *Phidippus* CL Koch, 1846

n. Genus *Phintella* Bosenberg et, Strand,1906

o. Genus *Plexippus* CL Koch,1846

p. Genus *Rhene* Thorell,1869

q. Genus *Thiania* CL Koch, 1846

r. Genus *Yaginumaella* Proszyski,1976

s. Genus *Zygoballus* Pecham, 1885.

a. Genus *Aelurillus* Simon, 1884

b. Genus *Bianor* Pecham & Pecham, 1885

c. Genus *Brettus* Thorell 1895

d. Genus *Burmattus* Proszyski,1991

e. Genus *Epeus* Pecham & Pecham,1886

f. Genus *Epocilla* Thorell,1887

g. Genus *Euphrys* CL Koch,1846

h. Genus *Harmochirus* Simon,1885

i. Genus *Hyllus* Koch CL, 1846

j. Genus *Marpissa* Koch,1846

k. Genus *Menemerus* Simon, 1868

l. Genus *Myrmarachne* Mac Leay,1839

m. Genus *Phidippus* CL Koch, 1846

n. Genus *Phintella* Bosenberg et, Strand,1906

o. Genus *Plexippus* CL Koch,1846

p. Genus *Rhene* Thorell,1869

q. Genus *Thiania* CL Koch, 1846

r. Genus *Yaginumaella* Proszyski,1976

s. Genus *Zygoballus* Pecham, 1885.

a. Genus *Aelurillus* Simon, 1884

1. Species (Unidentified) (male is known)

b. Genus *Bianor* Pecham & Pecham, 1885

1. *angulosus* (Karsch,1879) (Male is known)

c. Genus *Brettus* Thorell 1895

1. *anchorum* Wanless,1979 (Female is known)

d. Genus *Burmattus* Proszyski,1991

1. *pococki* Thorell, 1895 (Male is known)

e. Genus *Epeus* Pecham & Pecham,1886

1. Species (unidentified) (Female is known)

f. Genus *Epocilla* Thorell,1887

1. *praetextata* Thorell,1892 (Male is known)

g. Genus *Euphrys* CL Koch,1846

Transferred to other Genera:

E. chiriatapuensis Tikader, 1977 (see Thiania)

1. Species (unidentified) (Female is known)

h. Genus *Harmochirus* Simon,1885

1. *brachiatus* Thorell,1877 (Male is known).

i. Genus *Hyllus* Koch CL, 1846

1. *cf. decorates* Thorell, 1887 (Female is known)

j. Genus *Marpissa* Koch,1846

1. *manipuriensis* Biswas & Biswas,2004 (Female is known)

k. Genus *Menemerus* Simon, 1868

1. *brevibulbus* Thorell, 1887 (Male is known)

l. Genus *Myrmarachne* Mac Leay,1839

1. *kiboschensis* Lassert, 1925 (Male is known)

2. *incerta* Narayan, 1915 (Female is known)

3. *plataleoides* O.P. Cambridge,1869 (Male is known)

4. *calcuttaensis* Biswas, 1984 (Female is known)

5. *vulgarisa* Barrion, 1987

m. Genus *Phidippus* CL Koch, 1846

1. *punjabiensis* Tikader, 1974. (Female is known)

n. Genus *Phintella* Bosenberg et, Strand,1906

1. *vittata* CL Koch,1846 (Female is known)

o. Genus *Plexippus* CL Koch,1846

1. *paykullii* Savigny et Audouin,1825 (Male & Female are known)

2. *levii* Deb, 2001 (Male is known)

p. Genus *Rhene* Thorell,1869

1. *flavigera* CL Koch, 1846 (Male & Female are known)

2. *rubrigera* Thorell, 1887 (Male is known)

q. Genus *Thiania* CL Koch, 1846

In synonym: *Thiania bhamoensis* Thorell, 1887

T. chiriatapuensis (Tikader, 1977, *T.* From *Euphrys*)

1. *bhamoensis* Thorell,1887 (Female is known)

r. Genus *Yaginumaella* Proszyski,1976

1. Species (unidentified) (Male is known)

s. Genus *Zygoballus* Pecham, 1885.

1. *pashanensis* Tikader,1975 (Female is known)

21. Family Scytodidae Blackwall, 1864

Genera: 1 and Species: 1

Transferred to other families:

Loxosceles Heineken & Lowe, 1832 ----- see Sicarriidae.

a. Genus *Scytodes* Latreille, 1804.

1. *cf. univittata* Simon, 1882. (Male & Female are known)

22. Family: Sicariidae Keyserling, 1880.

Genera: 1 and Species: 1

Transferred to other families.

Scytodes Latreille, 1804 ----- see Scytodidae

a. Genus *Loxosceles* Heineken and Lowe, 1832

1. *rufescens* Dufour, 1820 (Male is known)

23. Family: Sparassidae Bertkau, 1872

Genera: 4 and Species: 9

a. genus *Spariolenus* Simon, 1880

b. genus *Heteropoda* Latreille, 1804

c. genus *Olios* Walkenaer, 1837

d. genus *Bhutaniella* Jager, 2000

a. genus *Spariolenus* Simon, 1880

1. *tigris* (Female is known)

b. genus *Heteropoda* Latreille, 1804

1. *andamanensis* Tikader, 1977 (Female is known)

2. *venatoria* Linnaeus, 1767 (Female is known)

3. *kandiana* Pocock, 1899 (Female is known)

4. *phasma* Simon, 1897 (Female is known)

c. genus *Olios* Walkenaer, 1837

1. *hampsoni* Pocock, 1901 (Female is known)

2. *wroughtoni* Simon, 1897 (Female is known)

3. *tener* Thorell, 1891 (Female is known)

d. genus *Bhutaniella* Jager, 2000

1. *sikkimensis* Gravely, 1931 (Female is known)

24. Family: Tetragnathidae Menge, 1866

Genera: 4 and Species: 11.

a. Genus *guizygiella* Zhu, Kim & Song, 1997

b. Genus *Leucauge* White, 1841

c. Genus *Tetragnatha* Latreille, 1804

d. Genus *Tylorida* Simon, 1894

Transferred to other families

Nephila Leach, 1815 ---- see Nephilidae

In synonym

Arundognatha Wiehle, 1963 = *Tetragnatha* Latreille, 1804

Eucta Simon, 1881 = *Tetragnatha* Latreille, 1804.

Plesiometa F.O.P. Cambridge, 1903 = *Leucauge* White, 1841.

Sternospina Schmidt & Krause, 1993 = *Tylorida* Simon, 1894

a. Genus *guizygiella* Zhu, Kim & Song, 1997

1. *indica* Tikader & Bal, 1980 (Female is known)

2. *melanocrania* Thorell, 1887 (Female is known)

b. Genus *Leucauge* White, 1841

Transferred to other genera

L. culta O.P. Cambridge, 1869 ----- see *Tylorida*

In synonymy:

L. nitella Zhu et al, 2003 = *L. Tessellata* Thorell, 1887.

1. *decorata* Blackwall, 1864 (Female is known)

2. *tessellata* Thorell, 1887 (Female is known)

c. Genus *Tetragnatha* Latreille, 1804

1. *nitens* Audouin, 1826 (Male is known)

2. *javana* Thorell, 1890 (Female is known)

3. *andamanensis* Tikader, 1977 (both male and female are known)

4. *mandibulata* Walkenaer, 1840 (both male and female are known)

5. *virescens* Okuma, 1979 (Male is known)

6. Species I (Unidentified)

7. Species II (Unidentified)

d. Genus *Tylorida* Simon, 1894

1. *culta* O.P. Cambridge, 1869 (Female is known)

25. Family: Therididae Sundevall, 1833

Genera: 5 and Species: 6

a. Genus *Argyrodes* Simon, 1864

b. Genus *Latrodectus* Walkenaer, 1805

c. Genus *Parasteatoda* Archer, 1946

d. Genus *Steatoda* Sundevall, 1833

e. Genus *Theridion* Walkenaer, 1805

a. Genus *Argyrodes* Simon, 1864

1. *argentatus* O.P. Cambridge, 1880 (both male and female are known)

b. Genus *Latrodectus* Walkenaer, 1805

1. *elegans* Thorell, 1898 (Female is known, First record of India)

c. Genus *Parasteatoda* Archer, 1946

1. *brookesiana* Barrion & Litsinger, 1995 (Male is known)

d. Genus *Steatoda* Sundevall, 1833

1. Species (Unidentified) (Male is known)

e. Genus *Theridion* Walkenaer, 1805

1. Species (Unidentified) (Female is known)

26. Family: Thomisidae Sundevall, 1833

Genera: 10 and Species: 13

a. Genus *Amyciaea* Simon, 1885

b. Genus *Camarius* Thorell, 1887

c. Genus *Diaea* Thorell, 1869

d. Genus *Massuria* Thorell, 1887

e. Genus *Misumena* Latreille, 1804

f. Genus *Oxytate* L Koch, 1878

g. Genus *Runeinia* Simon, 1875

h. Genus *Thomisus* Walkenaer, 1805

i. Genus *Tmarus* Simon, 1875

j. Genus *Xysticus* Koch, 1835

In synonymy:

Dieta Simon, 1880 = *Oxytate* L. Koch, 1875

Psammitis Menge, 1868 = *Xysticus* CL Koch, 1835

a. Genus *Amyciaea* Simon, 1885

1. *forticeps* O.P. Cambridge, 1873 (both male and female are known)

b. Genus *Camarius* Thorell, 1887

1. *formosus* Thorell, 1887 (Female is known)

c. Genus *Diaea* Thorell, 1869

1. *bengalensis* Biswas & Majumder, 1981 (Female is known)

2. *cf. dorsata* Fabricius, 1777. (Female is known) First record of India.

d. Genus *Massuria* Thorell, 1887

1. *shreepanchamii* Tikader, 1962 (Female is known)

e. Genus *Misumena* Latreille, 1804

1. Species (unidentified) (Male is known)

f. Genus *Oxytate* L Koch, 1878

1. *elongata* Tikader, 1980 (Female is known)

2. *virens* Thorell, 1891 (Female is known)

g. Genus *Runeinia* Simon, 1875

In synonymy:

R. albostrigata Bosenberg & Strand, 1906 = *R. affinis* Simon, 1897

1. *albostrigata* Bosenberg & Strand, 1906 (Female is known)

2. *acuminata* Thorell, 1881 (Male is known, First record).

h. Genus *Thomisus* Walkenaer, 1805

1. *projectus* Tikader, 1960 (Female is known)

i. Genus *Tmarus* Simon, 1875

1. Species (Unidentified) (Female is known)

j. Genus *Xysticus* Koch, 1835

1. *Minutes* Tikader, 1960 (Female is known)

Xysticus minutus Tikader, 1960 has been transferred to Genus *Indo xysticus* Benjamin & Jaleel, 2010.

27. Family: Uloboridae Thorell, 1869

Genera: 2 and Species: 2

a. Genus *Miagramopes* O.P. Cambridge, 1870

b. Genus *Zosis* Walkenaer, 1841

a. Genus *Miagramopes* O.P. Cambridge, 1870

1. *extensus* Simon, 1889 (Female is known)

b. Genus *Zosis* Walkenaer, 1841

1. *geniculata* Olivier, 1789 (Female is known)

4. Acknowledgement

A. Kananbala Devi would like to thanks University Grants Commission (UGC) grant No. MRP. F No. 39-589/2010(SR) for Financial Support and thanks to the Principal, D.M. College of Science, Imphal for providing the Laboratory facilities.

5. References

1. Coddington JA, Levi HW. Systematics and Evolution of Spiders. Annual Review of Ecology and Systematics. 1991; 22:565-592.
2. Keswani SP, Kadole, Rajoria A. Checklist of Spiders (Arachnida: Araneae) from India, Indian Journal of Arachnology, Indian Society of Arachnology, 2012; 1(1).
3. Sebastian PA and K V Peter. Spiders of India. University Press (India) Private Ltd. Hyderabad, 2009 India.
4. Pocock. Fauna of British India, Arachnida. Taylor and Francis London. 1900; 153-279.
5. Tikader BK Description of two new species of Wolf-spider (Family: Lycosidae) from Ladakh, India, J. Bombay Nat. Hist. Soc. 1977; 74:144-146.
6. Tikader BK. Fauna of India, Spiders, (Araneidae). 198011(1):1-293.
7. Tikader BK. Studies on spiders of the genus *Castianeira* Keyserling (Family: Clubionidae) from India. Bull. Zool. Surv. India. 1981; 4:257-265.
8. Tikader BK. Family Araneidae (Argiopidae) typical orb weavers. Fauna of India (Araneae). 1982; 2:1-293.
9. Tikader BK. Handbook of Indian Spiders ZSI, Calcutta, 1987, 251.
10. Majumder SC, Tikader. Studies on some spiders of the family: Clubionidae from India, Rec. Zool. Surv. India, Occ. Pap. No. 1991; 102:1-175.
11. Biswas B, Biswas K. Araneae: Spider Fauna of Manipur, State Fauna Series 10. Zool. Surv. India, 2004, 25-46.
12. Kananbala A, Manoj K, Bhubaneshwari M, Binarani A, Manju Siliwal. The first report of the Widow Spider-*Latrodectus elegans* (Araneae) from India. Journal of Threatened Taxa. 2012; (7):2718-2722.
13. Siliwal M, Kananbala A, Bhubaneshwari M. and Robert Raven Addition of two new species to the Trapdoor

genus *Conothele* Thorell, 1878 (Araneae: Ctenizidae) from India The Journal of Arachnology. 2015; 43:34-39.