

**A STUDY ON DIVERSITY OF SPIDERS IN JHARBARI
FOREST RANGE OF CHIRANG RESERVE FOREST,
ASSAM, INDIA**

THESIS

**SUBMITTED TO THE BODOLAND UNIVERSITY FOR THE
AWARD OF DEGREE OF DOCTOR OF PHILOSOPHY IN
ZOOLOGY UNDER THE FACULTY OF SCIENCE AND
TECHNOLOGY**



**BY:
PARIS BASUMATARY
REGISTRATION NO.: FINAL/ZOO 0001 OF 2016-17
DEPARTMENT OF ZOOLOGY
BODOLAND UNIVERSITY, ASSAM, INDIA
2024**

DECLARATION

I, Paris Basumatary, declare that the thesis entitled "**A STUDY ON DIVERSITY OF SPIDERS IN JHARBARI FOREST RANGE OF CHIRANG RESERVE FOREST, ASSAM, INDIA**" is a bonafide Ph.D. work done by me under the supervision of Dr. Dulur Brahma, Assistant Professor, Department of Zoology, Bodoland University. The thesis is submitted to the Bodoland University for the award of a degree for Doctor of Philosophy at Bodoland University bearing Ph.D. Enrollment No. ZOO PHD-04 and the Final Registration No. FINAL/ZOO 0001 of 2016-17. The thesis is the result of my own investigation and is original and has not been previously submitted for the award of any degree or other research works.

CERTIFICATE

I, the place of birth of Paris Basumatary, Thesis entitled "A STUDY ON DIVERSITY OF SPIDERS IN JHARBARI FOREST RANGE OF CHIRANG RESERVE FOREST, ASSAM, INDIA" by her Paris Basumatary, submitted for the award of Doctor of Philosophy at Bodoland University in Zoology in

Paris Basumatary

(Paris Basumatary)

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Department of Zoology

Bodoland University



BODOLAND UNIVERSITY::DEPARTMENT OF ZOOLOGY
DEBARGAON, RANGALIKHATA, KOKRAJHAR-783370, BTR ASSAM

DR. DULUR BRAHMA
ASSISTANT PROFESSOR
Email:brahmadulur@gmail.com
Contact No.+91 9101348701

Ref. No.: BU/ZOO-DEPTT/DB-PF/PhDThesis/CF/03

Date: 02.01.2025

CERTIFICATE

I am pleased to forward this Ph.D. Thesis entitled "**A STUDY ON DIVERSITY OF SPIDERS IN JHARBARI FOREST RANGE OF CHIRANG RESERVE FOREST, ASSAM, INDIA**" by Mr. Paris Basumatary, submitted for the award of the Degree of Doctor of Philosophy (Ph.D.) in Zoology in the faculty of Science and Technology.

Mr. Paris Basumatary has carried out this work under my supervision and fulfills all the requirements under the Ph.D. Regulations of Bodoland University. He has been registered under Bodoland University with Registration No. 000340 of 2014-15 and Ph.D. Final Registration No. FINAL/ZOO 0001 of 2016-17.

I further attached that the thesis is entirely original and his own investigation and no part of this thesis have been submitted to any other University or anywhere for the award of any degree.

A handwritten signature in black ink, appearing to read "Dulur Brahma".
Signature

University, Debargaon, Rangalikhata, Kokrajhar.
Dr. Richardson Evans, Associate Professor, Department of Zoology,
for allowing me to quote the information included.

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Paris Basumatary

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List of tables

Table 3.1: Characteristics of habitats	32
Table 5: Demographic data of interviewee	35-36
Table 4.1.1: Number of families, genera and species composition from Jharbari Forest Range, Assam	53-54
Table 4.2.1: Checklist of spider fauna with their guild types and relative abundance recorded during the study period in Jharbari Forest Range, Assam	56-61
Table 4.2.2: List of new species discovered in Jharbari Forest Range of Chirang Reserve, Assam	61
Table 4.2.3: List of species documented for the first time from India	61-62
Table 4.2.4: List of endemic species of India found in Jharbari Forest Range of Chirang Reserve Forest, Assam	62-63
Table 4.2.5: List of species documented for the first time from Assam state	63-65
Table 4.3.1: Seasonal variations in species abundance throughout the four seasons (Winter, Pre-monsoon, Monsoon and Post-monsoon) in the entire study period in Jharbari Forest Range, Assam	203-204
Table 4.4.1: Diversity variation of spiders at different habitats of the study area (ranked highest to lowest)	205
Table 4.4.2: Different functional guild structure of spiders found in Jharbari Forest Range	205-206

List of Figures

Figure 3.1: Map showing the location of Chirang Reserve Forest (CRF)	29
Figure 3.2: Map showing the survey sites in Jharbari Forest Range of CRF	29
Figure 4.3.1: Species accumulation curve (Year 1 – Year 4)	201
Figure 4.3.2: Seasonal variation in species abundance (Year 1 – Year 4)	204
Figure 4.4.1: Guild types of spiders	206
Figure 4.4.2: Species accumulation curve in Shrubs habitat (Year 1 – Year 4)	207
Figure 4.4.3: Species accumulation curve in Herbs habitat (Year 1 – Year 4)	207
Figure 4.4.4: Species accumulation curve in Tree bark habitat (Year 1 – Year 4)	208
Figure 4.4.5: Species accumulation curve in Grasses habitat (Year 1 – Year 4)	208
Figure 4.4.6: Species accumulation curve in Forest Stream habitat (Year 1 – Year 4)	209
Figure 4.4.7: Species accumulation curve in Forest litter habitat (Year 1 – Year 4)	209
Figure 4.4.8: Species accumulation curve in Under rocks habitat (Year 1 – Year 4)	210
Figure 4.4.9: Species accumulation curve in Burrow habitat (Year 1 – Year 4)	210
Figure 4.5.1: Interviewees' cognizance of spiders	211
Figure 4.5.2: Interviewees' perception on spiders	212
Figure 4.5.3: Spider families (%) sighted by the interviewees'	212
Figure 4.5.4: Spiders sighted in different locations by the interviewees'	213
Figure 4.5.5: Sighting of spiders by interviewees' in different seasons	213

List of photoplates

Plate 1: Habitat: A. Open patches of woodland; B. Moist open patch of grassland; C. Dense patch of woodland; D. Slow-moving perennial forest stream; E. Fast-flowing perennial forest stream; F. Open patch of dry grassland; G. Dense herb vegetation; H. Ground leaf litter.	30
Plate 2: General morphology: A. Dorsal view of spider; B. Ventral view of spider.	38
Plate 3: Eye arrangements and leg segments: A. Anterio-dorsal view of cephalothorax showing eye arrangement; B. Leg segments of a spider; C. Typical arrangement of spines, setae, tarsus and claws on the leg of spider.	39
Plate 4: Mouth Parts and spinnerets: A. Ventral view of anterior view of the cephalothorax showing the mouth parts; B. Spinneret of a typical cribellate spider.	40
Plate 5: Genitalia of Enetelegyne spiders: A. Ventral view of palp; B. Ventral view of Epigyne.	41
Plate 6: Web types of spiders from Jharbari Forest Range: A. Orb web: <i>Poltys columnaris</i> (Araneidae); B. Sheet web: <i>Himalmartensus ausobskyi</i> (Amaurobiidae); C. Tent web: <i>Cyrtophora unicolor</i> (Araneidae); D. Net-casting web: <i>Asianopis goalparaensis</i> (Deinopidae); E. Cob web: <i>Parasteatoda celsabdomina</i> (Theridiidae); F. Single silk dragline: <i>Thwaitesia margaritifera</i> (Theridiidae); G. Silk-tube: <i>Dendolycosa songi</i> (Pisauridae); H. Tubular silk-lined burrow: <i>Gravelyia boro</i> (Nemesiidae).	47
Plate 7: Life history: A. Female of <i>Cyrtarachne inaequalis</i> with egg sac; B. Female of <i>Nilus albocinctus</i> with egg sac; C. Female of <i>Epeus</i> spp. guarding the eggs; D. Female of <i>Chrysso urbasae</i> guarding the spiderlings; E. Moulting of skin; F. Male and female of <i>Tylorida ventralis</i> showing courtship; G. Diagrammatic representation of ballooning of juvenile spiders.	48
Plate 8: Mimicry: A. <i>Phrynarachne decipiens</i> mimicking bird dung; B. <i>Paraplectana mamoniae</i> mimicking lady bird beetles; C. <i>Cyrtophora unicolor</i> mimicking dry leaf; D. <i>Caerostris sumatrana</i> mimicking tree bark; E. <i>Myrmarachne melanocephala</i> mimicking <i>Tetraponera rufonigra</i> ; F. <i>T. rufonigra</i> ; G. <i>Myrmaplata plataleoides</i> mimicking <i>Oecophylla smaragdina</i> ; H. <i>O. smaragdina</i> .	49
Plate 9: Role of hairs and setae: A and B. <i>Nilus albocinctus</i> observed retreating under water for about 5-6 minutes; C. Hairs trapped the air like a bubble; D. <i>Hygropoda higenaga</i> sensing for vibrations on water.	50
Plate 10: Natural enemies: A, B, C and D: Araneopathogenic fungi, <i>Cordycep</i> spp., parasitizing the host spider body to release its pores;	51

E. Spider wasps (Pompilidae) feeding on spider; F. Blue whistling thrush feasting on spider; G. Spider predating on other spiders; H. Nematode of unknown species remove from spider's abdomen.	
Plate 11: Diet of spiders: A. <i>Heteropoda venatoria</i> feeding on a caterpillar; B. <i>Tylorida ventralis</i> feeding on cranefly; C. <i>Oxyopes</i> spp. feeding on a moth; D. <i>Oxyopes sitae</i> feeding on damselfly; E. Salticid preying on fly; F. <i>Hyllus diardi</i> predating on spider; G. Pisaurid preying on spider; H. <i>Ariamnes cylindrogaster</i> wrapping up a spider with silk.	52
Plate 12: <i>Himalmartensus ausobskyi</i> Wang and Zhu, 2008: A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Chelicera, ventral view; E. Eyes, frontal view; F. Epigyne, dorsal view; G. Epigyne, ventral view. Scale bars = 5 mm (A, B, C); 2 mm (D, E); 1 mm (F, G).	376
Plate 13: <i>Acusilas coccineus</i> Simon, 1895: A. Habitus, dorsal view; B. Habitus, lateral view; C. Sternum; D. Eyes, frontal view; E. Epigyne, ventral view; F. Epigyne, dorsal view. Scale bars = 1 mm (A, B); 0.5 mm (C, D); 0.2 mm (E, F).	377
Plate 14: <i>Argiope aemula</i> (Walckenaer, 1841): A. Carapace, dorsal view; B. Abdomen, ventral view; C. Carapace, ventral view; D. Abdomen, ventral view; E. Chelicerae, ventral view; F. Eyes, frontal view; G. Epigyne, dorsal view; H. Epigyne, ventral view. Scale bars = 2 mm (A, B, C, D); 1 mm (E, F); 0.5 mm (G, H).	378
Plate 15: <i>Bijoaraneus mitificus</i> (Simon, 1886): A. Habitus, dorsal view; B. Epigyne, dorsal view; C. Epigyne, ventral view. Scale bars = 1 mm (A), 0.5 mm (B, C).	379
Plate 16: <i>Arachnura angura</i> Tikader, 1970: A. Habitus, dorsal view; B. Habitus, ventral view; C. Epigyne, dorsal view; D. Epigyne, ventral view. Scale bars = 2 mm (A, B), 0.5 (C, D).	380
Plate 17: <i>Caerostris sumatrana</i> Strand, 1915: A. Habitus, dorsal view; B. Habitus, ventral view; C. Carapace, frontal view; D. Epigyne, dorsal view; E. Epigyne, ventral view. Scale bars = 5 mm (A, B), 2 mm (C), 1 mm (D, E).	381
Plate 18: <i>Cyrtarachne nagasakiensis</i> Strand, 1918: A. Habitus, dorsal view; B. Habitus, ventral view; C. Carapace, frontal view; D. Chelicerae, ventral view; E. Epigyne, dorsal view; F. Epigyne, ventral view; G. Diagrammatic representation of epigyne, dorsal view; H. Diagrammatic representation of epigyne, ventral view. Scale bars = 2 mm (A, B); 1 mm (C, D); 0.5 mm (E, F, G, H).	382
Plate 19: <i>Eriovixia pseudocentrodes</i> (Bösenberg and Strand, 1906): A. Habitus, dorsal view; B. Epigyne, ventral view; C. Diagrammatic representation of epigyne, ventral view (S – spermathecae, CD –	383

copulatory ducts). Scale bars = 2 mm (A), 0.5 mm (B, C).

Plate 20: *Eriovixia kachugaonensis* Basumatary, Chanda, Das, Kalita, Brahma, Basumatary, Basumatary and Daimary, 2019: A. Habitus, dorsal view; B. Habitus, lateral view; C. Habitus, ventral view; D. Chelicerae, ventral view; E. Carapace, dorsal view; F. Epigyne, dorsal view; G. Epigyne, ventral view; H. Diagrammatic representation of epigyne, dorsal view; I. Diagrammatic representation of epigyne, ventral view. Scale bars = 2 mm (A, B, C), 1 mm (D, E), 0.5 mm (F, G, H, I).

384

Plate 21: *Herennia multipuncta* (Doleschall, 1859): A. Habitus, dorsal view; B. Habitus, ventral view; C. Eyes, frontal view; D. Chelicerae, ventral view; E. Sternum; F. Epigyne, dorsal view; G. Epigyne, dorsal view; H. Epigyne, ventral view; I. Diagrammatic representation of epigyne, dorsal view; J. Diagrammatic representation of epigyne, ventral view. Scale bars: 2 mm (A, B), 1 mm (C, D, E, F), 0.5 mm (G, H, I, J).

385

Plate 22: *Larinia phthisica* (L. Koch, 1871): A. Habitus, dorsal view; B. Habitus, ventral view; C. Carapace, ventral view; D. Eyes, dorsal view; E. Habitus, lateral view; F. Epigyne, ventral view. Scale bars: 2 mm (A, B, E), 1 mm (C, D), 0.5 mm (F).

386

Plate 23: *Neogea nocticolor* (Thorell, 1887): A. Habitus, dorsal view; B. Epigyne, dorsal view; C. Epigyne, ventral view. Scale bars: 2 mm (A), 0.5 mm (B, C).

387

Plate 24: *Ordgarius sexspinosis* (Thorell, 1894): A. Carapace, dorsal view; B. Abdomen, ventral view; C. Abdomen, dorsal view; D. Abdomen, lateral view; E. Sternum; F. Chelicerae, ventral view; G. Epigyne, dorsal view; H. Epigyne, ventral view.

388

Plate 25: *Paraplectana mamoniae* Basumatary and Brahma, 2019: A. Habitus, dorsal view; B. Habitus, ventral view; C. Carapace, ventral view; D. Carapace, dorsal view; E. Epigyne, ventral view; F. Epigyne, dorsal view; G. Diagrammatic representation of epigyne, ventral view; H. Diagrammatic representation of epigyne, dorsal view. Scale bars = 2 mm (A, B), 1 mm (C, D), 0.5 mm (E, F, G, H).

389

Plate 26: *Pasilobus kotigeharus* Tikader, 1963: A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, anterior view; D. Chelicerae, anterior view; E. Sternum, ventral view; F. Epigyne, ventral view. Scale bars = 2 mm (A, B, C), 1 mm (D, E), 0.5 mm (F).

390

Plate 27: *Polys illepidus* C. L. Koch, 1843: A. Habitus, dorsal view; B. Habitus, lateral view; C. Eye, anterior view; D. Chelicerae, ventral view; E. Epigyne, dorsal view; F. Epigyne, ventral view. Scale bars = 2 mm (A, B), 1 mm (C, D), 0.5 mm (E, F).

391

Plate 28: *Guizygiella indica* (Tikader and Bal, 1980): A. Habitus, dorsal view; B. Habitus, ventral view; C. Eyes, frontal view; D.

392

Epigyne, dorsal view; E. Epigyne, dorsal view; F. Epigyne, ventral view. Scale bars: 2 mm (A, B), 1 mm (C), 0.5 mm (D, E).

Plate 29: *Corinnomma severum* (Thorell, 1877): A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Eyes, frontal view; E. Sternum; F. Chelicerae, ventral view; G. Palp, dorsal view; H. Palp, lateral view; I. Palp, ventral view; J. Palp, dorsolateral view. Scale bars = 2 mm (A, B, C), 1 mm (D, E, F), 0.5 mm (G, H, I, J).

393

Plate 30: *Bowie sikkimensis* (Gravely, 1931): A. Habitus, dorsal view; B. Epigyne, dorsal view; C. Epigyne, ventral view. Scale bars: 2 mm (A), 0.5 mm (B, C).

394

Plate 31: *Asianopis goalparaensis* (Tikader and Malhotra, 1978): A. Habitus, ventral view; B. Habitus, dorsal view; C. Habitus, ventral view; D. Carapace, dorsal view; E. Carapace, ventral view; F. Epigyne, dorsal view; G. Epigyne, ventral view; H. Diagrammatic representation of epigyne, dorsal view; I. Diagrammatic representation of epigyne, ventral view. Scale bars = 5 mm (A, B, C), 2 mm (D, E), 1 mm (F, G, H, I).

395

Plate 32: *Gravelyia boro* Basumatary and Brahma, 2021: A. Habitus, dorsal view; B. Carapace, dorsal view; C. Abdomen, ventral view; D. Carapace, dorsal view; E. Carapace, ventral view; F. Chelicerae, lateral view; G. Eyes, frontal view; H. Spinnerets, ventral view; I. Epigyne, ventral view; J. Diagrammatic representation of epigyne, ventral view. Scale bars = 5 mm (A, B, C, D, E), 2 mm (G), 1 mm (F, H), 0.2 mm (I, J).

396

Plate 33: *Gravelyia boro* Basumatary and Brahma, 2021: A. Habitus, dorsal view; B. Carapace, dorsal view; C. Abdomen, ventral view; D. Habitus, ventral view; E. Male maxillae, labium and palp, ventral view; F. Eyes, frontal view; G. Chelicerae, prolateral view; H. Spinnerets; I. male tibia and metatarsus I, prolateral view, (S – Spur, T – Tubercl); J. Male tibia and metatarsus I, prolateral view, (S – Spur, C – Cuspules); K. Whole male palp, retrolateral view; L. Male palp, ventral view; M. Male palp, retrolateral view; N. Male palp, prolateral view; O. Male palp, dorsal view; P. Diagrammatic representation of male palp, dorsal view; Q. Diagrammatic representation of male palp, retrolateral view; R. Diagrammatic representation of male palp, prolateral view; S. Diagrammatic representation of male palp, dorsal view. Scale bars = 5 mm (A, B, C, D), 2 mm (E, F, J, K), 1 mm (L, M, N, O, P, Q, R, S).

397

Plate 34: *Hamadruas sikkimensis* (Tikader, 1970): A. Habitus, dorsal view; B. Epigyne, dorsal view; C. Epigyne, ventral view. Scale bars = 2 mm (A), 0.5 mm (B, C).

398

Plate 35: *Hamataliwa pentagona* Tang and Li, 2012: A. Habitus, dorsal view; B. Epigyne, dorsal view; C. Epigyne, ventral view. Scale

399

bars = 2 mm (A), 0.5 mm (B, C).

Plate 36: *Peucetia latikae* Tikader, 1970: A. Habitus, dorsal view; B. Habitus, ventral view; C. Carapace, dorsal view; D. Carapace, ventral view; E. Eyes, frontal view; F. Epigyne, dorsal view; G. Epigyne, ventral view. Scale bars = 5 mm (A, B), 2 mm (C, D), 1 mm (E), 0.5 mm (F, G). 400

Plate 37: *Dendrolycosa songi* (Zhang, 2000): A. Carapace, dorsal view; B. Abdomen, dorsal view; C. Abdomen, ventral view; D. Eyes, frontal view; E. Chelicerae, ventral view; F. Epigyne, dorsal view; G. Epigyne, ventral view. Scale bars = 5 mm (A, B, C), 2 mm (D, E), 1 mm (F, G). 401

Plate 38: *Hygropoda higenaga* (Kishida, 1936): A. Habitus, dorsal view; B. Habitus, ventral view; C. Eyes, frontal view; D. Chelicerae, ventral view; E. Epigyne, dorsal view; F. Epigyne, ventral view. Scale bars = 5 mm (A, B), 2 mm (C, D), 1 mm (E, F). 402

Plate 39: *Bianor angulosus* (Karsch, 1879): A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Eyes, frontal view; E. Chelicerae, ventral view; F. Femora, patella, tibia of male palp; G. Palp, retrolateral view; H. Palp, ventral view; I. Palp, lateral view; J. Palp, dorsal view. Scale bars = 2 mm (A, B, C), 1 mm (D, E, F), 0.5 mm (G, H, I, J). 403

Plate 40: *Carrhotus viduus* (CL Koch, 1846): A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Eyes, frontal view; E. Epigyne, dorsal view; F. Epigyne, ventral view. Scale bars = 2 mm (A, B, C), 1 mm (D), 0.5 mm (E, F). 404

Plate 41: *Chinattus prabodhi* Basumatary, Das, Caleb and Brahma, 2020: A. Habitus, dorsal view; B. Habitus, lateral view; C. Eye, frontal view; D. Chelicerae, ventral view; E. Carapace, dorsal view; F. Epigyne, dorsal view; G. Epigyne, ventral view; H. Diagrammatic representation of epigyne, dorsal view; I. Diagrammatic representation of epigyne, ventral view. Scale bars = 2 mm (A, B), 1 mm (C, D, E), 0.5 mm (F, G, H, I). 405

Plate 42: *Cocalus murinus* Simon, 1899: A. Carapace, dorsal view; B. Abdomen, dorsal view; C. Carapace, ventral view; D. Eyes, frontal view; E. Abdomen, ventral view; F. Chelicerae, ventral view; G. Epigyne, dorsal view; H. Epigyne, ventral view. Scale bars = 2 mm (A, B, C, E), 1 mm (D, F), 0.5 mm (G, H). 406

Plate 43: *Dexippus kleini* Thorell, 1891: A. Habitus, dorsal view; B. Palp, dorsal view; C. Palp, ventral view; D. Palp, prolateral view, E. Palp, retrolateral view. Scale bars = 2 mm (A), 0.2 mm (B, C, D, E). 407

Plate 44: *Hyllus diardi* (Walckenaer, 1837): A. Carapace, dorsal view; B. Carapace, ventral view; C. Abdomen, dorsal view; D. Abdomen, ventral view; E. Epigyne, dorsal view; F. Epigyne, ventral view. Scale 408

bars = 2 mm (A, B, C, D), 0.5 mm (E, F).

Plate 45: *Myrmaplata plataleoides* (O. Pickard-Cambridge, 1869): A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Eyes, frontal view; E. Epigyne, dorsal view; F. Epigyne, ventral view; G. Diagrammatic representation of epigyne, dorsal view; H. Diagrammatic representation of epigyne, ventral view. Scale bars = 1 mm (A, B, C), 0.5 mm (D), 0.2 mm (E, F, G, H).

409

Plate 46: *Phaeacius fimbriatus* Simon, 1900: A. Habitus, dorsal view; B. Habitus, ventral view; C. Chelicerae, ventral view; D. Eyes, frontal view; E. Epigyne, ventral view; F. Epigyne, dorsal view. Scale bars = 2 mm (A, B), 1 mm (C, D), 0.5 mm (E, F).

410

Plate 47: *Portia fimbriata* (Doleschall, 1859): A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Habitus, anterior view; E. Epigyne, dorsal view; F. Epigyne, ventral view. Scale bars = 2 mm (A, B, C, D), 0.5 mm (E, F).

411

Plate 48: *Telamonia dimidiata* (Simon, 1899): A. Habitus, dorsal view; B. Habitus, ventral view; C. Eyes, frontal view; D. Chelicerae, ventral view; E. Epigyne, dorsal view; F. Epigyne, ventral view; G. Diagrammatic representation of epigyne, dorsal view; H. Diagrammatic representation of epigyne, ventral view. Scale bars = 2 mm (A, B), 1 mm (C, D), 0.5 mm (E, F, G, H).

412

Plate 49: *Vailimia jharbari* Basumatary, Caleb and Das, 2020: A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Eyes, frontal view; E. Chelicerae, ventral view; F. Epigyne, dorsal view; G. Epigyne, ventral view; H. Diagrammatic representation of epigyne, dorsal view; I. Diagrammatic representation of epigyne, ventral view. Scale bars = 2 mm (A, B, C), 0.5 mm (D, E), 0.2 mm (F, G, H, I).

413

Plate 50: *Vailimia jharbari* Basumatary, Caleb and Das, 2020: A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Palp, ventral view; E. Palp, dorsal view; F. Palp, retrolateral view; G. Diagrammatic representation of palp, ventral view; H. Diagrammatic representation of palp, dorsal view; I. Diagrammatic representation of palp, retrolateral view. Scale bars = 2 mm (A, B, C), 0.5 mm (D, E, F, G, H, I).

414

Plate 51: *Thelcticopis severa* (L. Koch, 1875): A. Carapace, dorsal view; B. Carapace, ventral view; C. Abodmen, dorsal view; D. Abdomen, ventral view; E. Eye, front view; F. Chelicerae, ventral view; G. Epigyne, dorsal view; H. Epigyne, ventral view. Scale bars = 5 mm (A, B, C, D), 2 mm (E, F), 1 mm (G, H).

415

Plate 52: *Argyrodes miniaceus* (Doleschall, 1857): A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Epigyne, dorsal view; E. Epigyne, ventral view. Scale bars = 2 mm (A, B, C),

416

0.2 mm (D, E, F).

Plate 53: *Ariamnes cylindrogaster* Simon, 1889: A. Habitus, dorsal view; B. Epigyne, dorsal view; C. Epigyne, ventral view. Scale bars = 2 mm (A), 0.2 mm (B, C). 417

Plate 54: *Meotipa picturata* Simon, 1895: A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Epigyne, dorsal view; E. Epigyne, ventral view. Scale bars = 2 mm (A, B, C), 0.2 mm (D, E). 418

Plate 55: *Meotipa ultapani* Basumatary and Brahma, 2019: A. Carapace, dorsal view; B. Carapace, ventral view; C. Abdomen, dorsal view; D. Abdomen, ventral view; E. Epigyne, dorsal view; F. Epigyne, ventral view. Sclae bars = 1 mm (C), 0.5 mm (A, B, D, E, F). 419

Plate 56: *Parasteatoda celsabdomina* (Zhu, 1998): A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Eyes, frontal view; E. Epigyne, dorsal view; F. Eyes, ventral view. Scale bars = 2 mm (A, B, C), 1 mm (D), 0.2 mm (E, F). 420

Plate 57: *Theridula gonygaster* (Simon, 1873): A. Habitus, frontal view; B. Habitus, dorsal view; C. Habitus, ventral view; D. Eyes, frontal view; E. Epigyne, ventral view. Scale bars = 1 mm (A, B, C), 0.5 mm (D), 0.2 mm (E). 421

Plate 58: *Thwaitesia margaritifera* O. Pickard-Cambridge, 1881: A. Habitus, dorsal view; B. Habitus, lateral view; C. Carapace, dorsal view; D. Epigyne, ventral view. Scale bars = 2 mm (A, B), 1 mm (C), 0.2 mm (D). 422

Plate 59: *Amyciaeae forticeps* (O. Pickard-Cambridge, 1873): A. Habitus, dorsal view; B. Habitus, ventral view; C. Carapace, frontal view; D. Epigyne, dorsal view; E. Epigyne, ventral view; F. Diagrammatic representation of epigyne, dorsal view; G. Diagrammatic representation of epigyne, ventral view. Scale bars = 1 mm (A, B), 0.5 mm (C), 0.2 mm (D, E, F, G). 423

Plate 60: *Camaricus khandalaensis* Tikader, 1980: A. Habitus, dorsal view; B. Habitus, ventral view; C. Eyes, frontal view; D. Epigyne, dorsal view; E. Epigyne, ventral view; F. Diagrammatic representation of epigyne, dorsal view; G. Diagrammatic representation of epigyne, ventral view. Scale bars = 2 mm (A, B), 1 mm (C), 0.5 mm (D, E, F, G). 424

Plate 61: *Phrynarachne decipiens* (Forbes, 1884): A. Habitus, dorsal view; B. Habitus, ventral view; C. Habitus, lateral view; D. Eyes, frontal view; E. Epigyne, dorsal view; F. Epigyne, ventral view. Scale bars = 5 mm (A, B, C), 2 mm (D), 1 mm (E, F). 425

Plate 62: *Tmarus jabalpurensis* Gajbe and Gajbe, 1999: A. Habitus,

426

dorsal view; B. Habitus, ventral view; C. Eyes, frontal region, D. Epigyne, dorsal view; E. Epigyne, ventral view. Scale bars = 5 mm (A, B), 2 mm (C), 0.5 mm (D, E).

Plate 63: A. *Himalmartensus ausobskyi*; B. *Acusilas coccineus*; C. *Argiope aemula*; D. *Argiope pulchella*; E. *Bijoaraneus mitificus*; F. *Arachnura angura*; G. *Caerostris sumatrana*; H. *Cyrtarachne inaequalis*; I. *Cyrtarachne nagasakiensis*; J. *Cyrtophora citricola*; K. *Cyrtophora moluccensis*; L. *Cyrtophora unicolor*.

427

Plate 64: A. *Cyrtophora feae*; B. *Eriovixia excelsa*; C. *Eriovixia laglaizei*; D. *Eriovixia pseudocentrodes*; E. *Eriovixia kachugaonensis*; F. *Gasteracantha kuhli*; G. *Herennia multipuncta*; H. *Larinia phthisica*; I. *Neoscona bengalensis*; J. *Neoscona mukerjei*; K. *Neoscona theisi*; L. *Neogea nocticolor*.

428

Plate 65: A. *Nephila pilipes*; B. *Nephilengys malabarensis*; C. *Ordgarius sexspinosis*; D. *Paraplectana mamoniae*; E. *Pasilobus kotigeharus*; F. *Parawixia dehaani*; G. *Poltys columnaris*; H. *Poltys illepidus*; I. *Guizygiella indica*; J. *Macracantha hasselti*; K. *Corinnomma severum*; L. *Bowie sikkimensis*.

429

Plate 66: A. *Clubiona filicata*; B. *Cheiracanthium danieli*; C. *Asianopis goalparaensis*; D. *Hersilia savignyi*; E. *Lycosa mackenziei*; F. *Pardosa pseudoannulata*; G. *Gravelyia boro*; H. *Gravelyia boro*; I. *Hamadruas sikkimensis*; J. *Hamataliwa pentagona*; K. *Oxyopes Shweta*; L. *Oxyopes sitae*.

430

Plate 67: A. *Peucetia latikae*; B. *Dendrolycosa songi*; C. *Hygropoda higenaga*; D. *Nilus albocinctus*; E. *Polyboea vulpina*; F. *Psechrus himalayanus*; G. *Asemonea tenuipes*; H. *Bianor angulosus*; I. *Brettus cingulatus*; J. *Carrhotus vidiuus*; K. *Carrhotus vidiuus*; L. *Chinattus prabodhi*.

431

Plate 68: A. *Cocalus murinus*; B. *Dexippus kleini*; C. *Epeus indicus*; D. *Thiania bhamoensis*; E. *Hyllus semicupreus*; F. *Myrmaplata plataleoides*; G. *Phaeacius fimbriatus*; H. *Phintella vittata*; I. *Plexippus paykulli*; J. *Portia fimbriata*; K. *Rhene flaviocomans*.

432

Plate 69: A. *Siler semiglaucus*; B. *Telamonia dimidiata*; C. *Vailimia jharbari*; D. *Heteropoda venatoria*; E. *Olios lamarcki*; F. *Thelcicopis severa*; G. *Leucauge decorata*; H. *Leucauge fastigata*; I. *Tylorida ventralis*; J. *Tylorida striata*; K. *Tetragnatha javana*; L. *Argyrodes miniaceus*.

433

Plate 70: A. *Ariamnes cylindrogaster*; B. *Chryssso scintillans*; C. *Chryssso urbasae*; D. *Chryssso angula*; E. *Chikunia nigra*; F. *Meotipa picturara*; F. *Meotipa ultapani*; G. *Parasteatoda celsabdomina*; H. *Theridula gonygaster*; I. *Thwaitesia margaritifera*; J. *Amyciaea forticeps*; K. *Camaricus khandalaensis*.

434

Plate 71: A. *Thomisus lobosus*; B. *Oxytate greenae*; C. *Phrynarachne decipiens*; D. *Tmarus jabalpurensis*; E. *Miagrammopes apostrophus*; F. *Philoponella alata*.

435