

A CHECKLIST OF SPIDERS (ARACHNIDA : ARANEAE) OF JABALPUR, MADHYA PRADESH, INDIA

PAWAN GAJBE

Zoological Survey of India, Central Regional Station, Jabalpur-482 002

Jabalpur district lies in the eastern half of the state of Madhya Pradesh. A checklist of 88 species of spiders belonging to 18 families from Jabalpur is given. The checklist includes spider species collected in and around Jabalpur and identified by the author during July, 1997 to December, 2000. Some species collected by the scientists of Central Regional Station, Zoological Survey of India, Jabalpur have also been included in the list. Area-specific studies on the Indian araneae have been conducted by naturalists like Pocock (1900), Tikader (1970, 1977, 1980, 1982), Patel (1975), Tikader & Biswas (1981) and Gajbe & Rane (1992). However, spider fauna of Jabalpur was almost unknown before Gajbe & Gajbe (1999, 2000) and Bhandari & Gajbe (2001), who have described many new species of spiders from Jabalpur, thus, adding to our knowledge of the Indian araneae.

For the study, spiders were looked for in a variety of habitats such as cultivated fields, woods, hills, orchards, human dwellings, old buildings, gardens, fallow land and around water bodies like ponds and tanks. Specimens were also looked for under stones and loose bark, in leaf litter, on flowers and on the ground. Some spiders were hand collected, for collecting some, a sweep net was used, while many spiders were obtained by beating bushes with a stick and then collecting the falling spiders in an inverted umbrella. The spiders were preserved in 70% ethyl alcohol in small glass vials with screw caps. Each vial was provided with a label having the name of type-locality, collector's name and date of collection recorded on it. The spiders were examined under a binocular microscope and identified with the help of literature. The type specimens collected are deposited in the National Collection, Zoological Survey of India, Kolkata.

A total of 88 species of spiders belonging to 54 genera distributed in 18 families were recorded (Table-1). The family Araneidae (21 species) was the largest group, followed by Thomisidae (14 species), Gnaphosidae (13 species), Lycosidae (10 species), Philodromidae (7 species) and Oxyopidae (5 species).

ACKNOWLEDGEMENTS

Thanks are due to Dr. J. R. B. Alfred, Director, Zoological Survey of India, Kolkata and Dr. Kailash Chandra, Scientist 'E', Central Regional Station, Zoological Survey of India, Jabalpur (M.P.) for providing facilities for carrying out research.

Table 1 : Checklist of spiders of Jabalpur, Madhya Pradesh.

| S. No. | FAMILY/SPECIES | S. No. | FAMILY/SPECIES |
|--------------|---------------------------------|--------------|-------------------------------|
| I. | SCYTODIDAE | 27. | <i>Neoscona rumpfi</i> |
| 1. | <i>Scytodes sp.</i> | 28. | <i>Neoscona elliptica</i> |
| II. | PHOLCIDAE | 29. | <i>Neoscona theis</i> |
| 2. | <i>Artema atlanta</i> | 30. | <i>Neoscona platnicki</i> |
| 3. | <i>Pholcus sp.</i> | 31. | <i>Neoscona biswasi</i> |
| III. | OONOPIDAE | X. | LYCOSIDAE |
| 4. | <i>Triaeris sp.</i> | 32. | <i>Hippasa partita</i> |
| IV. | ERESIDAE | 33. | <i>Hippasa pisaurina</i> |
| 5. | <i>Stegodyphus sarasinorum</i> | 34. | <i>Hippasa hansae</i> |
| V. | OECOBIIDAE | 35. | <i>Hippasa fabreae</i> |
| 6. | <i>Oecobius putus</i> | 36. | <i>Hippasa wigglesworthi</i> |
| VI. | HERSILIIDAE | 37. | <i>Pardosa mukundi</i> |
| 7. | <i>Hersilia savignyi</i> | 38. | <i>Pardosa birmanica</i> |
| VII. | ULOBORIDAE | 39. | <i>Pardosa jabalpurensis</i> |
| 8. | <i>Uloborus danolius</i> | 40. | <i>Arctosa indicus</i> |
| 9. | <i>Uloborus jabalpurensis</i> | 41. | <i>Lycosa nigrotibialis</i> |
| VIII. | TETRAGNATHIDAE | 42. | <i>Lycosa shaktae</i> |
| 10. | <i>Eucta sp.</i> | XI. | OXYOPIDAE |
| IX. | ARANEIDAE | 43. | <i>Oxyopes jabalpurensis</i> |
| 11. | <i>Leucauge decorata</i> | 44. | <i>Oxyopes ketani</i> |
| 12. | <i>Nephila maculata</i> | 45. | <i>Oxyopes pankaji</i> |
| 13. | <i>Argiope aemula</i> | 46. | <i>Peucetia jabalpurensis</i> |
| 14. | <i>Chorizopes tikaderi</i> | 47. | <i>Peucetia ashae</i> |
| 15. | <i>Cyrtophora cicatrosa</i> | XII. | AGELENIDAE |
| 16. | <i>Cyrtophora citricola</i> | 48. | <i>Tegenaria sp.</i> |
| 17. | <i>Cyrtophora jabalpurensis</i> | XIII. | DICTYNIDAE |
| 18. | <i>Cyclosa moonduensis</i> | 49. | <i>Dictyna shiprae</i> |
| 19. | <i>Cyclosa confraga</i> | XIV. | GNAPHOSIDAE |
| 20. | <i>Cyclosa spirifera</i> | 50. | <i>Gnaphosa poonaensis</i> |
| 21. | <i>Larinia chloris</i> | 51. | <i>Callilepis rukminiae</i> |
| 22. | <i>Larinia bhadatae</i> | 52. | <i>Callilepis lambai</i> |
| 23. | <i>Zygeilla indica</i> | 53. | <i>Scopodes maitraiae</i> |
| 24. | <i>Araneus mitifica</i> | 54. | <i>Megamyrmeccion ashae</i> |
| 25. | <i>Neoscona nautica</i> | 55. | <i>Scotophaeus poonaensis</i> |
| 26. | <i>Neoscona mukerjei</i> | 56. | <i>Liodrassus tikaderi</i> |

| S. No. | FAMILY/SPECIES | S. No. | FAMILY/SPECIES |
|--------------|-----------------------------------|---------------|-------------------------------|
| 57. | <i>Drassodes oppenheimeri</i> | 72. | <i>Thomisus rajani</i> |
| 58. | <i>Sosticus jabalpurensis</i> | 73. | <i>Runcinia yogeshi</i> |
| 59. | <i>Sergiulus lamhetaghatensis</i> | 74. | <i>Oxyptila amkhasensis</i> |
| 60. | <i>Poecilochroa barmani</i> | 75. | <i>Oxyptila jabalpurensis</i> |
| 61. | <i>Herpyllus goaensis</i> | 76. | <i>Xysticus minutus</i> |
| 62. | <i>Zelotes jabalpurensis</i> | 77. | <i>Xysticus bengalensis</i> |
| XV. | HETEROPODIDAE | 78. | <i>Xysticus jabalpurensis</i> |
| 63. | <i>Heteropoda sp.</i> | 79. | <i>Xysticus bharatae</i> |
| XVI. | PHILODROMIDAE | 80. | <i>Xysticus tikaderi</i> |
| 64. | <i>Philodromus durvei</i> | 81. | <i>Synaema decorata</i> |
| 65. | <i>Philodromus jabalpurensis</i> | 82. | <i>Monaeses jabalpurensis</i> |
| 66. | <i>Philodromus ashae</i> | 83. | <i>Tmarus jabalpurensis</i> |
| 67. | <i>Philodromus pali</i> | 84. | <i>Misumenoides sp.</i> |
| 68. | <i>Tibellus jabalpurensis</i> | XVIII. | SALTICIDAE |
| 69. | <i>Thanatus jabalpurensis</i> | 85. | <i>Marpissa dhakuriensis</i> |
| 70. | <i>Thanatus ketani</i> | 86. | <i>Marpissa mandali</i> |
| XVII. | THOMISIDAE | 87. | <i>Phidippus sp.</i> |
| 71. | <i>Thomisus sundari</i> | 88. | <i>Rhene sp.</i> |

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