

ON SOME SPIDERS (ARANEAE : ARACHNIDA)  
FROM BASTAR DISTRICT (MADHYA PRADESH) INDIA

U. A. GAJBE and H. S. SHARMA  
*Zoological Survey of India,*  
*Central Regional Station,*  
*Jabalpur*

INTRODUCTION

Few Surveys were undertaken during 1973, 74, 78, 84, 88 and 1990 to explore the faunal wealth of Bastar district by Zoological Survey of India. The total geographical area of the district according to the village papers is 39.18 lacks hectares. Out of this 29.92 lakh hectares (66%) is classified as forest. The geographical position is between 17°46' to 20°34'N latitude and between 80°15' to 82°15'E longitude. Physiographically the district is divided into two parts, Kotri Mahanadi plains in the North and Keskhal hills in the South. The district is more like a plateau with intervening Indravati plains in the Central part and a little low land in the South and South West.

Practically there was no work on the spiders of Bastar district. Pocock (1900) in his classical work on arachnids and Tikader (1980, 1982), has not recorded any species from this region.

This paper deals with 31 species under 21 genera of the families Eresidae, Filistatidae, Uloboridae, Hersiliidae, Thomisidae, Philodromidae, Gnaphosidae, Oxyopidae, Lycosidae and Araneidae, out of which eight species viz. *Callilepis lambai* Tikader & Gajbe, *Scopodes maitraiae* Tikader & Gajbe, *Pardosa sumatrana* (Thorell), *Arctosa himalayensis* Tikader & Malhotra, *Argiope aemula* (Walckenaer), *Argiope pulchella* Thorell, *Cyclosa hexatuberculata* Tikader, *Neoscona mukerjei* Tikader, are first time reported from this area.

Twenty species viz. *Filistata poonaensis* Tikader, *Uloborus danolius* Tikader, *Thomisus projectus* Tikader, *Thomisus cherapunjeus* Tikader, *Amyciaea forticeps* (Cambridge), *Xysticus kashidi* Tikader, *Xysticus minutus* Tikader, *Philodromus betrabatai* Tikader, *Philodromus bhagirathai* Tikader, *Zelotes shantae* Tikader, *Oxyopes sakuntalae* Tikader, *Oxyopes sunandae* Tikader, *Oxyopes ratnae* Tikader, *Hippasa greenalliae* (Blackwall),

*Hippasa agelenoides* (Simon), *Lycosa poonaensis* Tikader & Malhotra, *Lycosa nigrotibialis* Simon, *Leucage celebesiana* (Walckenaer), *Argiope pradhani* Sinha, *Araneus mitifica* (Simon), are reported for the first time from Madhya Pradesh.

### Family I : ERESIDAE

#### 1. *Stegodyphus sarasinorum* Karsch

1892. *Stegodyphus sarasinorum* Karsch, *Ent. Z. Berlin*, 36 : 275.

*Specimen examined* : 1 ♀, Gariapahar Kanker, Bastar dist., M. P. Coll. U.A. Gajbe, 4.1.1984. (Reg. No. A/2251).

*Distribution* : India : Karnataka, Maharashtra, Punjab, West Bengal, Madhya Pradesh.

### Family II : FILISTATIDAE

#### 2. *Filistata poonaensis* Tikader

1963. *Filistata poonaensis* Tikader, *J. Univ. Poona Sci. Tech.*, 24 : 35.

*Specimen examined* : 1 ♀, Orccha, Narayanpur Tahsil, Bastar dist., M. P. Coll. U.A. Gajbe, 28.12.1983 (Reg. No. A/2266). 1 ♀, Bargaon near Chhotedonger, Bastar dist., M. P. Coll. U.A. Gajbe, 24.12.1983 (Reg. No. A/2267). 2 ♀ ♀, Hutkachora near Jagadapur, Bastar dist., M.P. Coll. U.A. Gabe, 2.1.1984 (Reg. No. A/2269). 1 ♀, Chitrakote, Bastar dist., M.P. Coll. U.A. Gajbe, 1.1.1984 (Reg. No. A/2268).

*Distribution* : India : Maharashtra, Gujarat.

### Family III : ULOBORIDAE

#### 3. *Uloborus danolius* Tikader

1969. *Uloborus danolius* Tikader, *Proc. Indian Acad. Sci.*, 70 (3) : 129,

*Specimen examined* : 1 ♀, Hutkachora village near Jagadalpur, Bastar dist., M.P. Coll. U.A. Gajbe, 2.1.1984 (Reg. No. A/2252).

*Distribution* : India : Maharashtra, West Bengal, Car-Nicobar.

#### Family IV : HERSILIIDAE

##### 4. *Hersilia savignyi* Lucas

1836. *Hersilia savignyi* Lucas, *Mag. Zool.*, 8 : 10.

*Specimen examined* : 2 ♀ ♀, Tondabeda village near Orccha, Bastar dist., M.P. Coll. U.A. Gajbe, 29.12.1983 (Reg. No. A/2253). 3 ♀ ♀, Hutkachora near Jagadalpur, Bastar dist., M.P. Coll. U.A. Gajbe, 2.1.1984 (Reg. No. A/2254). 4 ♀ ♀, Garhbengal near Narayanpur, Bastar dist., M.P. Coll. U.A. Gajbe, 30. 12.1983 (Reg. No. A/2255). 1 ♀, Porpa village near Jagadalpur, Bastar dist., M.P. Coll. U.A. Gajbe, 31.12.1983 (Reg. No. A/2256). 2 ♀ ♀, Bargaon near Chhotedonger, Bastar dist., M.P. Coll. U.A. Gajbe, 24.12.193. (Reg. No. A/2257). 3 ♀ ♀, Orccha. Narayanpur Tahsil, Bastar dist., M.P. Coll. U.A. Gajbe 28.12.1983 (Reg.no. A/2258).

*Distribution* : India : Tamil Nadu, Karnataka, Maharashtra, Uttar Pradesh, West Bengal, Assam, Bihar, Orissa ; Sri Lanka ; Burma ; Pakistan.

#### Family V : THOMISIDAE

##### 5. *Thomisus projectus* Tikader

1960. *Thomisus projectus* Tikader, *J. Bombay nat. Hist. Soc.*, 57 : 182.

*Specimen examined* : 2 ♂♂, Bijapur, Bastar dist., M.P. Coll. R. K. Ghose, 8.2.1990 (Reg. No. A/2227). 1 ♂, Bijapur, Bastar dist., M.P. Coll. R. K. Ghose, 7.2.1990 (Reg. No. A/2228)

*Distribution* : India; West Bengal.

### 6. *Thomisus cherapujeus* Tikader

1966. *Thomisus cherapujeus* Tikader, *Proc. Indian Acad. Sci.*, 64(1) : 54.

*Specimen examined* : 1 ♀, Kutru village, Bastar dist., M. P. Coll. R. K. Ghose, 26.1.1990 (Reg. No. A/2230).

*Distribution* : India : Meghalaya.

### 7. *Amyciaea forticeps* ( Cambridge )

1873. *Amyciaea forticeps* Cambridge, *Proc. zool. Soc. Lond.*, 1873 : 122.

*Specimen examined* : 1 ♂, Bijapur, Bastar dist., M.P. Coll. R. K. Ghose, 26.1.1990 (Reg. No. A/2229).

*Distribution* : India : Maharashtra ; Burma ; Malaysia.

### 8. *Xysticus kashidi* Tikader

1963. *Xysticus kashidi* Tikader, *Proc. Indian Acad. Sci.*, 58 (5) : 261.

*Specimen examined* : 1 ♀, Orccha, Narayanpur Tahsil, Bastar dist., M. P. Coll. U. A. Gajbe, 28.12.1983 ( Reg. No. A/2260 ).

*Distribution* : India : Karnataka.

### 9. *Xysticus minutus* Tikader

1960. *Xysticus minutus* Tikader, *J. Bombay nat. Hist. Soc.*, 57 (1) : 173.

*Specimen examined* : 1 ♀, Gariapahar Kanker, Bastar dist., M. P Coll. U.A. Gajbe, 4.1.1984 ( Reg. No. A/2261 ). 1 ♀, Chitrakote, Bastar dist., M.P. Coll. U.A. Gajbe, 1.1.1984 (Reg. No. A/2262).

*Distribution* : India : West Bengal, Maharashtra, Meghalaya, Gujarat.

Family VI : PHILODROMIDAE

10. *Philodromus betrabatai* Tikader

1966. *Philodromus betrabatai* Tikader, *Proc. Linn. Soc.*, 177 (i) : 35.

*Specimen examined* : 1 ♀, (Subadult) Chitrakote, Bastar dist., M. P. Coll. U. A. Gajbe, 2.1.1984 (Reg. No. A/2263). 2 ♀ ♀, (Subadult), Hutkachora near Jagadapur, Bastar dist., M. P. Coll. U.A. Gajbe, 2.1.1984 (Reg. No. A/2264).

*Distribution* : India : Maharashtra.

11. *Philodromus bhagirathai* Tikader

1966. *Philodromus bhagirathai* Tikader, *Proc. Linn. Soc.*, 177 (1) : 200.

*Specimen examined* : 1 ♀, (Subadult), Gariapahar Kanker, Bastar dist., M, P. Coll. U. A. Gajbe, 4.1.1984 (Reg. No. A/2265).

*Distribution* : India : Uttar Pradesh, Tamil Nadu.

Family VII : GNAPHOSIDAE

12. *Callilepis lambai* Tikader & Gajbe

1977. *Callilepis lambai* Tikader & Gajbe, *Rec. zool. Surv. India*, 73 (1-4) : 50.

*Specimen examined* : 1 ♀, Kondagaon, Bastar dist., M. P. Coll. R. K. Ghose, 22.1.1990 (Reg. No. A/2226).

*Distribmtion* : India : Karnataka, Punjab, Madhya Pradesh.

13. *Scopodes maitraiae* Tikader & Gajbe

1977. *Scopodes maitraiae* Tikader & Gajbe, *Rec. zool. Surv. India.*, 73 (1-4) i 14.

*Specimen examined* : 1 ♀, Kondagaon, Bastar dist., M. P. Coll. R. K. Ghose, 22.1.1990 (Reg. No. A/2225).

*Distribution* : India : Maharashtra, Gujarat, Orissa, Bihar, Madhya Pradesh.

#### 14. *Zelotes shantae* Tikader

1982. *Zelotes shantae* Tikader, *Fauna of India, Spiders*, 2 (2) : 483.

*Specimen examined* : 1 ♀, Orccha, Narayanpur Tahsil, Bastar dist., M.P. Coll, U.A. Gajbe, 28.12.1983 (Reg, No. A/2259).

*Distribution* : India : Maharashtra.

#### Family VIII : OXYOPIDAE

#### 15. *Oxyopes sakuntalae* Tikader

1970. *Oxyopes sakuntalae* Tikader, *Rec. zool. Surv. India*, 64 (1-4) : 73.

*Specimen examined* : 1 ♀, Kondagaon, Bastar dist., M. P. Coll. R. K. Ghose, 22.1.1990 ( Reg. No. A/2246 ).

*Distribution* : India : West Bengal.

#### 16. *Oxyopes sunandae* Tikader

1970. *Oxyopes sunandae* Tikader, *Rec. zool. Surv. India*, 64 (1-4) : 74.

*Specimen examined* : 11 ♀ ♀, Bijapur, Bastar dist., M. P. Coll. R. K. Ghose, 7.2.1990 ( Reg. No. A/2248 ). 5 ♀ ♀, Bijapur, Bastar dist., M. P. Coll. R. K. Ghose, 8.2.1990. (Reg. No. A/2249). 2 ♀ ♀, Kutru, Bastar dist., M. P. Coll. R. K. Ghose, 26.1.1990 ( Reg. No. A/2250 ).

*Distribution* : India : Sikkim.

17. *Oxyopes ratnae* Tikader

1970. *Oxyopes ratnae* Tikader, *Rec. zool. Surv. India*, 64 (1-4) : 70.

*Specimen examined* : 2 ♀ ♀, Orccha, Bastar dist., M. P. Coll. U. A. Gajbe, 28.12.1983. ( Reg. No. A/2283 ) 1 ♀, Gariapahar Kanker, Bastar dist., M. P. Coll, U. A. Gajbe, 4.1.1984 (Reg. No. A/2284). 4 ♀ ♀, Tondabeda village near Orccha, Bastar dist., M. P. Coll. U. A. Gajbe, 29.12.1983. (Reg. No. A/2285). 1 ♀ Chitrakote, Bastar dist., M. P. Coll. U. A. Gajbe, 1.1. 1984 (Reg. No. A/2286).

*Distribution* : India : Silkim, West Bengal.

## Family IX : LYCOSIDAE

18. *Hippasa greenalliae* (Blackwall)

1867. *Lycosa greenalliae* Blackwall, *Ann. Mag. nat. Hist.*, 19 (3) ; 387.

*Specimen examined* : 3 ♀ ♀, Chhotedonger, Bastar dist., M. P. Coll. U. A. Gajbe, 26.12.1983 ( Reg. No. A/2270). 5 ♀ ♀, Bargaon village near Chhotedonger, Bastar dist., M. P. Coll. U. A. Gajbe, 24.12. 1983 ( Reg. No. A/2271 ). 3 ♀ ♀, Dhaurai village near Chhotedonger, Bastar dist., M. P. Coll. U. A. Gajbe, 24.12.1983 ( Reg. No. A/2272). 3 ♀ ♀, Chitrakote, Bastar dist., M. P. Coll. U. A. Gajbe, 1.1.1984 (Reg. No. A/2273).

*Distribution* : India : Tamil Nadu, Kerala, Karnataka, Maharashtra, Orissa, Sikkim, West Bengal ; Sri Lanka.

19. *Hippasa agelenoides* (Simon)

1884. *Pirata agelenoides* Simon, *Ann. Mus. Civ. Stor. nat. Genova*, 20 : 334.

*Specimen examined* : 1 ♀, (subadult), Kutru village, Bastar dist., M. P. Coll. R. K. Ghose, 28.1.1990 ( Reg. No. A/2236 ). 1 ♀, (subadult). Kerpa village 20 km. NW of Kutru, Indrawati Tiger reserves, Bastar dist., M.P. Coll. R.K. Ghose. 31.1.1990 (Reg. No. A/2237). 2 ♀ ♀, Bargaon village near Chhotedonger, Bastar dist., M. P. Coll. U. A. Gajbe, 24.12.1983 ( Reg. No. A/2281 ). 3 ♀ ♀, Charama, Bastar Dist., M. P. Coll. U. A. Gajbe, 5.1.1984 (Reg. No. A/2282).

*Distribution* : India : Kerala, Karnataka, Tamil Nadu, Uttar Pradesh, Maharashtra, Burma : Tharrawaddy and Rangoon.

## 20. *Pardosa sumatrana* (Thorell)

1890. *Lycosa sumatrana* Thorell, *Ann. Mus. Stor. nat. Genova*, 30 : 136.

*Specimen examined* : 3 ♀ ♀, Bijapur, Bastar dist. M. P. Coll. R. K. Ghose, 4.2.1990 (Reg. No. A/2231). 1 ♀ Kerpa, 20 km. of Kutru Indrawati Tiger Reserves, Bastar dist., M.P. Coll. R.K. Ghose, 31.1.1990 (Reg. No. A/2232). 1 ♀, Chhotedonger, Bastar dist., M. P. Coll. U.A. Gajbe, 26.12.1983 (Reg. No. A/2274).

*Distribution* : India : Kerala, Karnataka, Tamil Nadu, Bihar, Himachal Pradesh, West Bengal, Meghalaya, Rajasthan, Gujarat, Madhya Pradesh, Arunachal Pradesh, ; Bangladesh ; Sumatra ; Sri Lanka.

## 21. *Pardosa birmanica* Simon

1884. *Pardosa birmanica* Simon, *Ann. Mus. civ. stor. nat. Genova*, 20 : 333.

*Specimen examined* : 1 ♀, Bijapur, Bastar dist., M. P. Coll. R. K. Ghose, 4.2.1990 (Reg. No. A/2233). 1 ♂, (subadult), Kutru, Bastar dist., M.P. Coll. R. K. Ghose, 2.2.1990 (Reg. No. A/2234). 3 ♀ ♀, 1 ♂, Bijapur, Bastar dist., M. P. Coll. R. K. Ghose, 5.2.1990 (Reg. No. A/2235). 7 ♀ ♀, 1 ♂, Bargaon village near Chhotedonger, Bastar dist., M. P. Coll. U. A. Gajbe, 24.12.1983 (Reg. No. A/2275). 1 ♀, Garhbengal, Naryanpur Tahsil, Bastar dist., M. P. Coll. U.A. Gajbe, 30.12.1983 (Reg. No. A/2276). 8 ♀ ♀, 4 ♂ ♂, Charama, Bastar dist., M. P. Coll. U.A. Gajbe, 5.1.1984 (Reg. No. A/2277). 1 ♀, 1 ♂, Orccha, Narayanpur Tahsil, Bastar dist., M. P. Coll. U. A. Gajbe, 28.12.1983 (Reg. No. A/2278). 4 ♀ ♀, 7 ♂ ♂, Bargaon village near Chhotedonger, Bastar dist., M.P. Coll. U.A. Gajbe, 24.12.1983. (Reg. No. A/2279).

*Distribution* : India : Maharashtra, West Bengal, Orissa, Uttar Pradesh, Rajasthan, Gujarat, Himachal Pradesh, Madhya Pradesh, Meghalaya, Bihar, Tamil Nadu, Andhra Pradesh ; Java ; Burma ; Pakistan.

**22. Aretosa himalayensis Tikader & Malhotra**

1982. *Arctosa himalayensis* Tikader & Malhotra, *Fauna of India, Spiders*, 2 (2) : 369.

*Specimen examined* : 1 ♀, Charama, Bastar dist., M. P. Coll. U. A. Gajbe, 5.1.1984 (Reg. No. A/2280).

*Distribution* : India : Uttar Pradesh.

**23. Lycosa poonaensis Tikader & Malhotra**

1980. *Lycosa poonaensis* Tikader & Malhotra, *Fauna of India, Spiders*, 1 (2) : 392.

*Specimen examined* : 1 ♀, Kutru, Bastar dist., M. P. Coll., R. K. Ghose, 31.1.1990 (Reg. No. A/2238).

*Distribution* : India : Poona, Maharashtra.

**24. Lycosa nigrotibialis Simon**

1884. *Lycosa nigrotibialis* Simon, *Ann. Mus. stor. nat. Genova*, 20 : 330.

*Specimen examined* : 1 ♀, Bijapur, Bastar dist., M. P. Coll. R. K. Ghose, 9.2.1990 (Reg. No. A/2239). 1 ♀, Kondagaon, Bastar dist., M. P. Coll. R. K. Ghose, 22.1.1990 ; Bihar, (Reg. No. A/2240).

*Distribution* : India : Maharashtra, Gujarat, Himachal Pradesh, West Bengal, Bihar, Sikkim, Assam ; Baluchistan, Zangi, Nawar, Afganistan ; Pakistan ; Burma.

**Family X : (ARANEIDAE)****25. Leucage celebesiana (Walckenaer)**

1841. *Tetragnatha celebesiana* Walckenaer, *Hist. nat. Ins. Apt.*, 2 : 222.

*Specimen examined* : 1 ♀, Bargaon village near Chhotedonger, Bastar dist., M. P. Coll. U. A. Gajbe, 24.12.1983 (Reg. No. A/2289).

*Distribution* : India : West Bengal, Meghalaya, Tamil Nadu, Assam, Maharashtra, Sikkim ; Burma ; Sri Lanka ; China.

### 26. *Argiope aemula* (Walckenaer)

1841. *Epeire aemula* Walckenaer, *Hist. nat. Ins. Apt.* 2 : 118.

*Specimen examined* : 1 ♀, Bargaon village near Chhotedonger, Bastar dist., M. P. Coll. U. A. Gajbe, 24.12.1983 (Reg. No. A/2287). 1 ♀, Orccha, Narayanpur Tahsil, Bastar dist., M. P. Coll. U. A. Gajbe, 28.12.1983 (Reg. No. A/2288). 1 ♀, Bijapur, Bastar dist., M. P. Coll. R. K. Ghose, 9.2.1990 (Reg. No. A/2241).

*Distribution* : India : Tamil Nadu, Maharashtra, West Bengal, Gujarat, Andaman and Nicobar Islands ; Sri Lanka ; Burma ; Indo- and Astro-Malaysia.

### 27. *Argiope pulchella* Thorell

1881. *Argiope pulchella* Thorell. *Ann. Mus. civ. Genova.* 18 : 74.

*Specimen examined* : 1 ♀, Bijapur, Bastar dist., M. P. Coll. R. K. Ghose, 8.2.1990 (Reg. No. A/2242).

*Distribution* : India : Andaman and Nicobar Islands, West Bengal, Madhya Pradesh, Orissa, Assam, Maharashtra, Tamil Nadu ; Burma ; Malaya Peninsula.

### 28. *Argiope pradhani* Sinha

1951. *Argiope pradhani* Sinha, *Rec. Indian, Mus.*, 49 : 76.

*Specimen examined* : 1 ♀, Bijapur, Bastar dist., M. P. Coll. R. K. Ghose, 8.2.1990 (Reg. No. A/2243).

*Distribution* : India : West Bengal, Andaman and Nicobar Islands ; Burma ; Tharrawaddy, Moulmein ; Sri Lanka ; Indo and Austro-Malaysia,

29. *Cyclosa hexatuberculata* Tikader

1982. *Cyclosa hexatuberculata* Tikader, *Fauna of India, Spiders*, 2 (1) : 197.

*Specimen examined* : 3 ♀ ♀, Bijapur, Bastar dist., M. P. Coll. R. K. Ghose, 5.2.1990 (Reg. No. A/2245). 2 ♀ ♀, Hutkachora near Jagadapur, Bastar dist., M. P. Coll. U.A. Gajbe, 2.1.1984 (Reg. No. A/2292). 1 ♂, (subadult), Dhaurai village near Chhotedonger, Bastar dist., M. P. Coll. U. A. Gajbe, 24.12.1983 (Reg. No. A/2297).

*Distribution* : India : Poona, Maharashtra.

30. *Araneus mitifica* (Simon)

1886. *Epeira mitifica* Simon, *Act., Soc. Linn. Bordeaux.*, 40 : 150.

*Specimen examined* : 3 ♀ ♀, 1 ♂, Bargaon village near Chhotedonger, Bastar dist., M. P. Coll. U. A. Gajbe, 24.12.1983. (Reg. No. A/2290).

*Distribution* : India : Maharashtra, Karnataka, West Bengal, Punjab ; Pakistan ; Bangladesh ; Burma ; Malaysia.

31. *Neoscona muckerjei* Tikader

1980. *Neoscona muckerjei* Tikader, *Proc. India Acad. Sci.*, 89 (3) : 247.

*Specimen examined* : 1 ♀, Bijapur, Bastar dist., M.P. Coll. R. K. Ghose, 6.2.1990 (Reg. No. A/2244). 2 ♀ ♀, Charama, Bastar dist., M. P. Coll. U. A. Gajbe, 5.1.1984 (Reg. No. A/2291).

*Distribution* : India : Maharashtra, West Bengal.

## SUMMARY

This paper deals with 31 species under 21 genera of 10 families of which 8 species are reported for the first time from Bastar district and 20 species reported here for the first time from Madhya Pradesh.

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