

ON A COLLECTION OF SPIDERS OF THE FAMILY
GNAPHOSIDAE FROM INDIA (ARANEAE : ARACHNIDA)

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The spiders of the family Gnaphosidae are very little known in the Indian Fauna. Even the classical work of Pocock (1900) on Indian spiders contains no reference to this family. Caporiacco (1934) was the pioneer worker and he has described 10 species from Himalaya. Recently Tikader (1962, 1964, 1966, 1973), Tikader and Gajbe (1975, 1976, 1979), Gajbe (1979) described many species from various parts of India. Patel and Patel (1975) described three species from Gujarat.

This paper dealt with 25 species contained in 11 genera.

I have desposited studied material whose registration number is given in this paper in the collection of Zoological Survey of India, Calcutta and other material in the collection of Central Regional Station, Zoological Survey of India, Jabalpur.

Family GNAPHOSIDAE (Gna-phos'i-dae)

1898. *Gnaphosidae* Pocock, *Ann. Mag. nat. Hist.* 2 (7) : 219.
1922. *Gnaphosidae* : Chamberlin, *Proc. biol. Soc. Wash.*, 35 : 145-172.
1940. *Gnaphosidae* : Comstock, *The Spider Book*, New York. 321.
1951. *Gnaphosidae* : Locket & Millidge, *British Spiders*, 1 : 95-123.
1962. *Gnaphosidae* : Tikader, *Proc. First All-India Congress of Zoology* (1959) : 570-573.
1973. *Gnaphosidae* : Tikader, *Proc. Indian Acad. Sci.*, Bangalore, 77 (5) : 186-189.
1973. *Gnaphosidae* : Ubick & Roth, *Amer. Arachnology*, 9 : 1-12.
1975. *Gnaphosidae* : Platnick & Shadab, *Bull. Am. Mus. nat. Hist.*, 155 (1) : 1-66.
1975. *Gnaphosidae* : Tikader & Gajbe, *Oriental Ins.*, 9 (3) : 273-281.
1979. *Gnaphosidae* : Gajbe, *Bull. zool. Surv. India*, 2 (1) : 69-74.

Type-genus : **Gnaphosa** Latreille

Distribution : All over the world.

Originally the family Gnaphosidae was a part of the family Drassidae, Pocock (1898) proposed to replace Drassidae when *Drassus* was shown to be an objective junior synonym of *Gnaphosa*.

The gnaphosidae family formerly known as Drassidae are those spiders which have eight eyes, heterogenous, arranged in two rows. In these spiders the cephalic part is not sharply sent off from the thoracic, the cephalothorax is hardly elevated. The chelicerae have a boss and scopula and the margins of the cheliceral fang furrow are oblique and usually armed. The teeth may be considerably reduced in size to minute denticles, or a single denticle, or the inner margin may have a keeled lamina in place of teeth. The labium is longer than broad, with maxillae converging more or less and provided with scopulae. Usually the maxillae have an oblique or transverse depression. The posterior coxae are more or less separated by the sternum. The legs are generally spinose and the tarsi furnished with scopulae, two claws, and claw tufts. Leg formula 4123. The claw are similar and pectinate in a single row. The abdomen is oval and usually rather flattened and in most males provided with a dorsal scutum on the abdomen. Many species are uniformly coloured, more often dark than light and without markings. Some species have a striking or colourful pattern of lines or spots. The anterior spinnerets are cylindrical, longer and more heavily sclerotized than the posterior, and widely separated.

Most gnaphosids are found under stones or bark or in moss. A few live on the leaves of plants which they roll like the clubionids or at the most they spin an irregular retreat at the time of oviposition. Some of the species that live under stones make a silken sac within which they live and in which the egg-sac is made.

Key to the genera

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|---|-----|---|
| 1. Inner margin of cheliceral fang furrow with a keeled lamina. ... | ... | 2 |
| Inner margin of cheliceral fang furrow smooth, or with one or more distinct teeth or denticles. ... | ... | 4 |
| 2. Inner margin of chelicera with a wide serrated lamina posterior row of eyes much longer than the anterior, with the medians nearer to each other than to the laterals. Maxillae rounded. ... | | |
| Inner margin of chelicera without serrated lamina. Posterior row of eyes slightly longer than the anterior, with the medians nearer to the laterals than to each other. Maxillae not rounded. ... | ... | 3 |

**Gnaphosa* Latereille

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|-----|---|---|-------------------------------|----|
| 8. | Inner margin of chelicera with two or three translucent-laminae. Posterior median eyes rectangular in shape. ... | | <i>Eilica</i> Keyserling | |
| | Inner margin of chelicera with a broad keel or a narrow lamina. Posterior median eyes oval in shape. ... | 2 | | |
| | | | <i>*Callilepis</i> Westring | |
| 4. | Carapace with no fovea. Anterior spinnerets close to each other. Spiders clothed with squamiform hairs. ... | | <i>Micaria</i> Westring | |
| | Carapace with a fovea. Anterior spinnerets well apart from each other. Spiders not clothed with squamiform hairs. ... | | ... | 5 |
| 5. | Chelicerae noticeably narrow, bearing no teeth, but with an angular projection apically inside. ... | | <i>Phaeocedus</i> Simon | |
| | Chelicerae noticeably broad, bearing teeth, without an angular projection apically inside. ... | | ... | 6 |
| 6. | Posterior row of eyes very strongly procurved, semicircular or nearly so. ... | | ... | 7 |
| | Posterior row of eyes not strongly procurved... .. | | ... | 8 |
| 7. | Inner margin of furrow of chelicera with one tooth. Bulb of palpus of male with a stout median apophysis. ... | | <i>*Scopodes</i> Chamberlin | |
| | Inner margin of furrow of chelicera without tooth. Bulb of palpus of male simple, with no true apophysis. ... | | <i>*Megamyrmecon</i> Reuss | |
| 8. | Eyes of posterior row nearly equal in size and equidistant from each other. ... | | <i>*Scotophaeus</i> Simon | |
| | Eyes of posterior row not equal in size and not equidistant from each other. ... | | ... | 9 |
| 9. | Tibia IV with two, or less commonly with three or five, median dorsal spines, III with one or two. ... | | ... | 10 |
| | Tibia IV with a single median dorsal spine or with none. ... | | ... | 13 |
| 10. | Posterior median eyes much larger than the posterior laterals and closer to laterals than to each other. Inner margin of chelicera without tooth. ... | | <i>*Liodrassus</i> Chamberlin | |
| | Posterior median eyes not much larger than the posterior laterals and closer to each other than to posterior laterals. Inner margin of chelicera with tooth or teeth. ... | | ... | 11 |

11. Inner margin of furrow of chelicera with a single tooth. *Geodrassus* Chamberlin.
 Inner margin of furrow of chelicera with two or three teeth. ... 12
12. Eyes rows close together, posterior median eyes well separated, being only a little farther from the laterals than from each other. ... *Sosticus* Chamberlin
 Eyes rows widely separated, posterior median eyes much nearer to each other than to the laterals. ... **Drassodes* Westring
13. Upper margin of furrow of chelicera unarmed, or with a keel, or with three serrations or teeth, rarely more, the lower margin unarmed or with but a single tooth or nodule; bulb of male palpus with no apophyses, at most with one or several small teeth near base of embolus. ... 14
 Upper margin of furrow of chelicera with from three to six distinct teeth, the lower margin with two or three, or rarely with only one; bulb of male palpus one or more apophyses. ... 17
14. Posterior row of eyes more or less recurved. ... 15
 Posterior row of eyes more or less procurved, or sometimes straight. ... 16
15. Tibia III with a median dorsal spine; carapace without distinct median furrow. ... **Sergiolus* Simon
 Tibia III with no median dorsal spine; carapace with a distinct median furrow. ... *Poecilochroa* Westring
16. Lower margin of furrow of chelicera smooth, wholly unarmed; anterior median eyes usually obviously smaller than the laterals. Posterior median eyes slightly larger than the laterals .. *Nodocion* Chamberlin
 Lower margin of furrow of chelicera with one tooth or nodule; anterior median eyes usually as large as or larger than the laterals. Posterior median eyes always well separated from each other and smaller than or at most as large as the laterals. ... *Herpyllus* Hentz
17. Upper margin of furrow of chelicera with three teeth, the lower with two, all well developed. Posterior median eyes large and oblique, typically close together but well removed from the laterals. .. **Haplodrassus* Chamberlin

Upper margin of furrow of chelicera with from four to six teeth, the lower margin with two to three small teeth or nodules, or rarely the upper margin with only three weak teeth and the lower with but one. ...

... 15

18. Posterior row of eyes straight, or but little procurved the eyes typically nearly equidistant, the medians small or at most but little larger than the laterals. ...

**Zelotes* Gistel

Posterior row of eyes procurved, the medians close together of contiguous, larger than the laterals, usually much so, oblique. ...

**Drassyllus* Chamberlin

Note :—Those genera names marked by a asterisk are dealt with in this paper and not marked by asterisk are included in the key just to satisfy the couplet characters.

1. *Gnaphosa poonaensis* Tikader

1973. *Gnaphosa poonaensis* Tikader, *Proc. Indian Acad. Sci.*, 77 (5) : 188.

Specimens examined : 1 ♀, Macherla, District Guntur, Andhra Pradesh, Coll. *I. N. Maligi*, 14.9.1962 (Reg. No. 4013/18), 1 ♀, Nandikonda Valley, Andhra Pradesh, Coll. *I. N. Maligi*, 17.8.1962. 1 ♀, Behind camp laboratory, Nagarjuna Valley, Andhra Pradesh, Coll. *I. N. Maligi*, 1.8.1962 (Reg. No. 4012/18).

2 ♀ ♀, Okha, District Jamnagar, Gujrat, Coll. *S. K. Gupta*, 16.12.1973 (Reg. No. 3869/18). 1 ♂, Patara Rest House compound, Mahsana, Gujrat, Coll. *B. Dutta*, 25.1.1974. (Reg. No. 3870/18). 1 ♂, Wadgaon, Banaskansa District, Gujrat, Coll. *B. Dutta*, 15.11.1974. (Reg. No. 3870/18).

6 ♀ ♀, Pooh, Kinaur, District Solan, H. P. Coll. *K. K. Mahajan*, 30.3.1971. (Reg. No. 5029/18). 3 ♀ ♀, Pooh, Kinaur, District, Solan, H. P. Coll. *K. K. Mahajan*, 31.3.1971. (Reg. No. 4027/18). 1 ♀, Pooh, village, Kinaur, District Solan, H. P. Coll. *K. K. Mahajan*, 26.4.1970.

1 ♂, Barwani, District Khargone, M. P. Coll. *V. V. Rao* 9.2.1971.

1 ♀, 1 ♂, Rajputana, Sardarshahr, Churu, Dist. Rajasthan, Coll. *B. Biswas*, 27.1.1957. (Reg. No. 3936/18). 1 ♀, Panchpadra Salt Depo, near Circuit House Jodhpur, Rajasthan, Coll. *K. K. Tiwari*, 13.2.1958. (Reg. No. 3927/18). 1 ♂, Kolu, 13 miles from phalodi on Jodhpur Road, District, Jodhpur, Rajasthan, Coll. *K. K. Tiwari*, 17.12.1957. (Reg. No. 3928/18). 1 ♀, Gudha Colony, Nagaur District Rajasthan, Coll. *K. K. Tiwari*, 22.2.1958 (Reg. No. 3932/18). 2 ♀ ♀, 1 ♂, Jaysalmer, ¼

km. West of Daklum glow, Rajasthan, *K. K. Tiwari*, 31.12.1957. (Reg. No. 3929/18). 2 ♀ ♀, near Bikaner, Rajasthan, Coll. *K. K. Tiwari*, 6.2.1953. (Reg. No. 3934/18). 1 ♀, 1 ♂, Gudha, Nagaur Dist. Rajasthan, Coll. *A. K. Mukherjee*, 19.12.1957. (Reg. No. 3938/18). 1 ♀, Pachpadra salt Depo, Circuit House, Rajasthan, Coll. *K. K. Tiwari*, 15.2.1958. (Reg. No. 3931/18). 1 ♀, Sambhar lake, Rajasthan Coll. *T. G. D.*, 23.3.1951. (Reg. No. 3937/18). 1 ♂, Jaysalmer, Rajasthan, Coll. *K. K. Tiwari*, 9.1.1958. (Reg. No. 3935/18). 1 ♀, Taranagar, Churu Dist. Rajasthan, Coll. *B. Biswas*, 26.10.1960. (Reg. No. 3939/18). 4 ♀ ♀, 2 ♀, Near Dak bungalow, Jaysalmer, Rajasthan, Coll. *K. K. Tiwari*, 29.12.1957. (Reg. No. 3930/18).

1 ♀, Khairajpur, Dist. Karnal, U. P. Coll. *Asket Singh*, 10.3.1971 (Reg. No. 4069/18). 4 ♀ ♀, Goniana, District Bhatinda, U. P. Coll. *Asket Singh*, 23.2.1971 (Reg. No. 4070/18). 1 ♀, 1 ♂, Kalhpuria, Dist. Almora, U. P. Coll. *M. Prasad*, 17.12.1968. 1 ♀, Ferozpur on Ludhiana Road, District Ferozpur, U. P. Coll. *Asket Singh*, 17.12.1971. (Reg. No. 4071/18).

Distribution : Andhra Pradesh, Gujrat, Himachal Pradesh, Madhya Pradesh, Punjab, Rajasthan, Uttar Pradesh, INDIA.

2. *Gnaphosa pauriensis* Tikader and Gajbe

1977. *Gnaphosa pauriensis* Tikader and Gajbe, *Rec. zool. Surv. India*, 73 (1-4) : 44-45.

Specimens examined : 1 ♀, Bokaro steel city, Dhanbad, Bihar, Coll. *R. Tilak*, 20.11.1968. (Reg. No. 4016/18).

3 ♀ ♀, Dholra rest house, Dist. Bilaspur, H. P. Coll. *A. Hussain*, 15.2.1965. (Reg. No. 4024/18). 1 ♀, Bank of river Beas, civil rest house Mandi, District. Mandi, H. P. Coll. *A. Hussain*, 8.2.1965. (Reg. No. 4025/18). 1 ♀, Dharamsala, Dist. Kangra, H. P. Coll. *R. K. Bhatnagar*, 5.1.1963. (Reg. No. 4026/18).

1 ♀, Jhabber khad down the Noonpur town, District Kangra, Punjab, Coll. *A. Hussain*, 24.1.1965. (Reg. No. 4162/18). 1 ♀, Badani, District Gurdaspur, Punjab, Coll. *Asket Singh*, 19.1.1967, (Reg. No. 4163/18). 1 ♀, Nalagarh, District Ambala, Punjab, Coll. *T. D. Soota*, 18.1.1964.

1 ♀, Dharmawala forest Block Timli Forest Range, Dist. Dehra Dun, U. P. Coll. *T. D. Soota*, 19.12.1964. (Reg. No. 4072/18).

Distribution : Bihar, Himachal Pradesh, Orissa, Punjab, Uttar Pradesh, INDIA.

3. *Gnaphosa jodhpurensis* Tikader and Gajbe

1977. *Gnaphosa jodhpurensis* Tikader and Gajbe, *Rec. zool. Surv. India*, 73 (1-4) : 45-47.

Specimens examined : 1 ♀, Bhurd Bhaker, near Jodhpur, Rajasthan. Coll. *Survey party*, 28.4.1964. (Reg. No. 3949/18). 1 ♀, Umed sagar, Talwaria village District Jodhpur, Rajasthan. Coll. *R. N. Bhargawa*, 10.4.1962. (Reg. No. 3950/18). 1 ♀, Barli village, North west of Jodhpur, Rajasthan, Coll. *A. K. Dutta*, 4.2.1962. (Reg. No. 3948/18). 1 ♀, Barwani, District Khargone, M. P. Coll. *H. Khajuria*, 22.2.1971.

1 ♀, Denowal, Balchar Road, District Hoshiarpur, U. P. Coll. *R. K. Bhatnagar*, 21.12.1963. (Reg. No. 4136/18).

Distribution : Madhya Pradesh, Rajasthan, Uttar Pradesh, INDIA.

4. *Callilepis rukminiae* Tikader and Gajbe

1977. *Callilepis rukminiae* Tikader and Gajbe, *Rec. zool. Surv. India*, 73 (1-4) : 49-50.

Specimen examined : 2 ♀ ♀, on the bank of Gambhir river near the slope of forest Chitorgarh, District Chitorgarh, Rajasthan, Coll. *S. Biswas*, 9.9.1965. (Reg. No. 3951/18). 1 ♀, Forest Chitorgarh, Rajasthan, Coll. *S. Biswas*, 6.9.1965. (Reg. No. 3947/18). 6 ♀ ♀, Harur, 3000 Ft. District Salem, Tamil Nadu, Coll. *H. S. Pruthi*, 17.6.1929. 1 ♀, Near Pariat tank, Jabalpur, M. P. Coll. *U. A. Gajbe*, 16.9.1980

Distribution : Jabalpur, Madhya Pradesh, Poona, Maharashtra, Chitorgarh, Rajasthan, Salem, Tamil Nadu, INDIA.

5. *Callilepis lambai* Tikader and Gajbe

1977. *Callilepis lambai* Tikader and Gajbe, *Rec. zool. Surv. India*, 73 (1-4) : 50-52.

Specimen examined : 1 ♀, Baddowar forest, Jaijan forest block, Garh shankar range, District Hoshiarpur, Punjab. Coll. *R. K. Bhatnagar*, 23.12.1962. (Reg. No. 4138/18). 1 ♀, Amkhas District Jabalpur, M. P. Coll. *P. D. Rane*, 6.5.1975.

Distribution : Madhya Pradesh, Mysore, Punjab, INDIA.

6. *Scopodes maitraiae* Tikader and Gajbe

1977. *Scopodes maitraiae* Tikader and Gajbe, *Rec. zool. Surv. India*, 73 (1-4) : 14-16.

Specimens examined : 1 ♀, Siripur, District Saran, Bihar, Coll. *Mackenzie*, 15.8.1913.

1 ♀, Sarnath, Gujrat, Coll. *V. D. Srivastava*, 25.2.1975 (Reg. No. 4293/18).

- 1 ♀, Budhagarh, District Jabalpur, M. P. Coll. *V. V. Rao*, 14.4.1970.
 1 ♀, Shikara village District Seoni, M. P. Coll. *U. A. Gajbe*, 19.10.1981.
 1 ♀, Mazoli, District Jabalpur, M. P. Coll. *S. K. Mishra*, 30.12.1980.
 1 ♀, Lalitpur, District Jabalpur, M. P. Coll. *Laxman Prasad*, 14.10.1981.
 1 ♂, Mayurbhang, District Mayurbhang, Orissa, Coll. *J. K. Sen*, 17.11.1972.

Distribution : Maharashtra, Gujrat, Madhya Pradesh, Orissa, INDIA.

7. *Megamyrmecon ashae* Tikader and Gajbe

1977. *Magamyrmecon ashae* Tikader and Gajbe, *Rec. zool. Surv. India*, **73** (1-4) : 16-18.

Specimen examined : 1 ♀, Near Dakbunglow, Jaisalmer, Rajasthan, Coll. *K. K. Tiwari*, 29.12.1957. (Reg. No. 4292/18).

1 ♀, Left bank of Narmada River Beyond Shahdol, District Khar-gone, M. P. Coll. *V. V. Rao*, 8.2.1971.

Distribution : Madhya Pradesh, Maharashtra, Rajasthan, INDIA.

8. *Scotophaeus madalasiae* Tikader and Gajbe

1977. *Scotophaeus madalasiae* Tikader and Gajbe, *Rec. zool. Surv. India*, **73** (1-4) : 18-20.

Specimens examined : 1 ♀, Occh-gahi, District Solan, Himachal Pradesh, Coll. *Mahesh Chandra*, 23.12.1970. (Reg. No. 4030/18). 1 ♀, Dholra Rest House, District Bilaspur, Himachal Pradesh, Coll. *A. Hussain*, 15.2.1965. (Reg. No. 4031/18).

4 ♀ ♀, Narendra Nagar, District. Tehri Garhwal, Uttar Pradesh, Coll. *T. D. Soota*, 8.2.1964. (Reg. No. 4128/18). 1 ♀, Narendra Nagar, District Tehri, Uttar Pradesh, Coll. *T. D. Soota*, 8.2.1964 (Reg. No. 4129/18). 1 ♀, Cart Road Area, Dharmasala, District Kangra, Uttar Pradesh, Coll. *R. K. Bhatnagar*, 5.1.1963. (Reg. No. 4130/18).

2 ♀ ♀, 1 ♂, Bong Basti, Kalimpong, District, Darjeeling, West Bengal, Coll. *G. K. Srivastava*, 3.1.1974. (Reg. No. 4334/18).

Distribution : Uttar Pradesh, Himachal Pradesh West Bengal, INDIA.

9. *Liodrassus mandae* Tikader and Gajbe

1977. *Liodrassus mandae* Tikader and Gajbe, *Rec. zool. Surv. India*, **73** (1-4) : 20-21.

Specimen examined : 1 ♀, Ranipur Forest, District Saharanpur, Uttar Pradesh, Coll. *T. D. Soota*, 12. 2. 1964.

Distribution : Himachal Pradesh, Uttar Pradesh INDIA.

10. *Drassodes gangeticus* Tikader and Gajbe

1975. *Drassodes gangeticus* Tikader and Gajbe, *Oriental Insects*, 9 (3) : 278-279.

Specimens examined : 1 ♀, Wangdu, phodrung, Bhutan, Coll. *S. K. Mitra*, 25.2.1969. (Reg. No. 3851/18).

2 ♀ ♀, Dholra Rest House, District Bilaspur, H. P. Coll. *A. Hussain*, 15.2.1965.

Distribution : Uttar Pradesh, Himachal Pradesh, Bhutan, INDIA.

11. *Drassodes oppenheimeri* Tikader

1973. *Drassodes oppenheimeri*, Tikader *Proc. Indian. Acad. Sci.*, 77 (5) : 186.

Specimens examined : 1 ♀, Dawarka, District Jamnagar, Gujrat, Coll. *V. D. Srivastava*, 18.2.1975. (Reg. No. 3871/18).

1 ♀, Kamleswarpur, Mainpat, District Serguja, M. P. Coll. *H. Khajuria*, 13.1.1975.

2 ♀ ♀, P. W. D. Banglow, Bongigarh, District Sundargarh, Orissa, Coll. *D. P. Sanyal*, 15.6.1972.

Distribution : Gujrat, Orissa, Maharashtra, Madhya Pradesh, West Bengal, INDIA.

12. *Drassodes deoprayagensis* Tikader and Gajbe

1975. *Drassodes deoprayagensis* Tikader and Gajbe, *Oriental Insects* 9 (3) : 279-280.

Specimens examined : 9 ♀ ♀, Kathpuria, District, Almora, U. P. Coll. *M. Prasad*, 22.12.1968. (Reg. No. 4078/18).

Distribution : Uttar Pradesh, Himachal Pradesh, INDIA.

13. *Drassodes sitae* Tikader and Gajbe

1975. *Drassodes sitae* Tikader and Gajbe, *Oriental Insects* 9 (3) : 275-276.

Specimens examined : 1 ♀, Kalpa Kinaur, District Solan, H. P. Coll. *K. K. Mahajan*, 6.4.1971 (Reg. No. 4041/18) 1 ♀, Pooh, Kinaur, District Solan, H. P. Coll. *K. K. Mahajan* 30.3.1971 (Reg. No. 4038/18). 7 ♂ ♂, Pooh, Kinaur, District Solan, H. P. Coll. *K. K. Mahajan*, 29.3.1971. (Reg. No. 4039/18) 1 ♀, Deoti, Bilaspur District H. P. Coll. *A. Hussain*, 13.2.1965. (Reg. No. 4042/18). 1 ♀, Pooh, Kinaur, District Solan, H.P. Coll. *K. K. Mahajan*, 31.3.1971. (Reg. No. 4040/18). 1 ♀, Kalha river, Solan, H. P. Coll. *K. K. Mahajan*, 9.4.1971. (Reg. No. 4040/18).

1 ♀, Jhabber Khad down the Noonpur town, District Kangra, Punjab, Coll. *A. Hussain*, 24.1.1965. (Reg. No. 4160/18).

2 ♀ ♀, Kathpuria, District Almora, U. P. Coll. *M. Prasad*, 22.12.1968. (Reg. No. 4068/11). 1 ♀, Painsur, District Tehri Garhwal, West Himalaya, U. P. Coll. *Tytler*, 11.4.1914. (Reg. No. 4066/18). 2 ♀ ♀, Dharmashala, District Kangra, U. P. Coll. *R. K. Bhatnagar*, 5.1.1963. (Reg. No. 4064/18).

Distribution : Himachal Pradesh, Punjab, Uttar Pradesh, INDIA.

14. *Drassodes himalayensis* Tikader and Gajbe

1975. *Drassodes himalayensis* Tikader and Gajbe, *Oriental Insects*, 9 (3) : 274-275.

Specimens examined : 2 ♀ ♀, Cherapunji, Assam, Coll. *S. L. Hora*, 20.2.1923. (Reg. No. 3960/18).

1 ♀, Shamgong, Central Bhutan, Coll. *B. Biswas*, 1.12.1967. (Reg. No. 3850/18). 1 ♀, Simtokha, Bhutan, Coll. *S. K. Mitra*, 19.2.1969 (Reg. No. 3853/18). 1 ♀, Shangong, Central Bhutan, Coll. *B. Biswas*, 2.12.1969. (Reg. No. 3851/18).

11 ♀, Mataur, District Kangra, H. P. Coll. *Asket Singh*, 23.1.197. (Reg. No. 4046/18). 3 ♀ ♀, Rainuka to Nahan Road (Rainuka lake) District Sirmour, H. P. Coll. *T. D. Soota*, 7.1.1964 (Reg. No. 4048/18). 1 ♀, Chakki, District Kangra, H. P. Coll. *Asket Singh*, 15.1.1967 (Reg. No. 4044/18). 5 ♀ ♀, Deoti, Bilaspur District, H. P. Coll. *A. Hussain*, 13.2.1965 (Reg. No. 4045/18). 3 ♀ ♀, on the bank of river Beas, civil rest house, Mandi, District Mandi, H. P. Coll. *A. Hussain*, 8.2.1965. (Reg. No. 4047/18).

1 ♀, Aishmugam, Jammu and Kashmir, Coll. *S. K. Gupta*, 1.11.1976. (Reg. No. 3865/18).

2 ♀ ♀, Bardai, District Seoni, M.P. Coll. *V.D. Shrivastava*, 1.12.1971. (Reg. No. 4139/18). 1 ♀, Mainpat, District Serguja, M. P. Coll. *R. K. Singh*, 12.1.1975.

1 ♀, Kamong, F. Division, NEFA, Coll. *K. C. Jayaramakrishnan*, 10.4.1961, (Reg. No. 3863/18). 1 ♀, 1 ♂, Abor exped. NEFA, Coll. *S. W. Kemp*, 17.1.1962, (Reg. No. 3862/18). 7 ♀ ♀, Shegaon village kamong Frontier Division NEFA, Coll. *K. C. Jayaramakrishnan*, 29.3.1961 (Reg. No. 3864/18), 3 ♀ ♀, Dirang, NEFA, Coll. *S. K. Tandon*, 12.3.1973 (Reg. No. 3854/18). 1 ♀, Rapa, NEFA, Coll. *S. K. Tandon*, 13.3.1973 (Reg. No. Dunn) Bridge, NEFA, Coll. *A.N.T. Joseph*, 21.4.1966 (Reg. No. 3857/19) 1 ♀, Rapa Camp. Tenga, NEFA, Coll. *S. K. Bhattacharya*, 20.12.1965. (Reg. No. 3856/18). 2 ♀ ♀, Sapper, NEFA, Coll. *S. K. Tandon*, 13.3.1973. (Reg. No. 3859/18). 2 ♀ ♀, Chako Road, NEFA, Coll. *S. K. Tandon*, 17.3.1973 (Reg. No. 3861/18). 2 ♀ ♀,

Bomdila Road, NEFA, Coll. *S. K. Tandon*, 18.3.1973. (Reg. No. 3855/18).
4 ♀ ♀, 1 ♂, Dirang, NEFA Coll. *S. K. Tandon*, 11.3.1973. (Reg. No. 3860/18).
1 ♀, Sangti chu River bank NEFA, Coll. *K. C. Jayarama-krishnan*, 12.4.1961 (Reg. No. 3955/18).

1 ♀, Forest Rest House, Chandili District Koraput, Orissa, Coll. *D. P. Sanyal*, 26.11.1973 (Reg. No. 4123/18).

1 ♀, Jaysalmer, West of Daklum glow, Rajasthan, Coll. *K. K. Tiwari*, 31.12.1957. (Reg. No. 3945/18).

2 ♀ ♀, Malan Sanctuary, District Bijnaur, U. P. Coll. *T. D. Soota*, 3.3.1965. (Reg. No. 4074/18). 3 ♀ ♀, on the bank of Kest River, Garjia, Ramnagar, District Nainital, U. P. Coll. *T. D. Soota*, 2.1.1966. (Reg. No. 4074/18), 1 ♀, Khaniagaon, Ramkhet, U. P. Coll. *S. K. Bhattacharya*, 21.4.1971. (Reg. No. 4075/18). 3 ♀ ♀, Painsur above Lomba, 7500 Ft. Garhwal, W. Himalayas, Coll. *Tytlar*, 28.4.1914. (Reg. No. 4073/18).

1 ♀, Singla, Drajeeling District, North Bengal, Coll. *Lord Carmichael*, 10.3.1913. (Reg. No. 4332/18). 1 ♀, Eagle's Hill, Kurseong, 5000 Ft. E. Himalayas, Coll. *M. Sheriff*, 10.3.1926. 3 ♀ ♀, Kalimpong, District Darjeeling, Coll. *Sutherland* date was not mentioned. (Reg. No. 4333/18). 2 ♀ ♀, Kalimpong, District Darjeeling, West Bengal, Coll. *J. M. Julka*, 8.1.1971.

Distribution : Assam, Bhutan, Himachal Pradesh, Jammu and Kashmir, Madhya Pradesh, NEFA, Orissa, Rajasthan, Uttar Pradesh, West Bengal, INDIA.

15. *Drassodes indraprastha* Tikader and Gajbe

1975. *Drassodes indraprastha* Tikader and Gajbe, *Oriental Insects*, 9 (3) : 276-278.

Specimen examined : 1 ♀, Dwarka, Jamnagar District Gujrat, Coll. *V. D. Srivastava*, 20.2.1975. (Reg. No. 3866/18).

1 ♀, Cochin state (now Kerala), Coll. *F. H. Gravely*, September, 1914. (Reg. No. 4011/18).

Distribution : Gujrat, Uttar Pradesh, Kerala, INDIA.

16. *Drassodes pashanensis* Tikader and Gajbe

1977. *Drassodes pashanensis* Tikader and Gajbe, *Rec. zool. Surv. India*, 73 (1-4) : 64-66.

Specimen examined : 1 ♀, Susuma, Bhutan, Coll. *B. Biswas*, 8.2.1969. (Reg. No. 3852/18).

1 ♀, Sita Pahad, District Jabalpur, M. P. Coll. V. S. Durve, 20.3.1969. 2 ♀ ♀, Amkhas, District Jabalpur, M. P. Coll. V. V. Rao, 4.7.1969. 2 ♂ ♂, 1 ♀, Budhager village, District Jabalpur, M. P. Coll. H. S. Sharma, 16.12.1968.

1 ♀, Bonaigarh, Orissa, Coll. D. P. Sanyal, 16.6.1972. (Reg. No. 3959/18).

2 ♀ ♀, Resin factory, Nahan Forest, District Simour, Punjab. Coll. R. K. Bhatnagar, 30.12.1963. (Reg. No. 4159/18). 2 ♀ ♀, Sutlej sadan, Nangal, District Hoshiarpur, Punjab. Coll. T. D. Soota, 22.1.1964, (Reg. No. 415 /18). 1 ♀, Gurgaon Dist. Gurgaon, Punjab. Coll. S. K. Mitra, 22.4.1964. (Reg. No. 4158/18). 1 ♀, Nangal, District Hoshiarpur, Punjab, Coll. T. D. Soota, 23.1.1964. (Reg. No. 4157/18).

Distribution : Madhya Pradesh, Orissa, Punjab, Bhutan, Maharashtra, INDIA.

17. *Sergiolus singhi* Tikader and Gajbe

1976. *Sergiolus singhi* Tikader and Gajbe, *Proc. Indian Acad. Sci.*, 84 B (5) : 189-191.

Specimens examined : 1 ♀, Karamli, District Bhandara, Maharashtra, Coll. V. D. Srivastava, 10.2.1970. (Reg. No. 4017/18).

Distribution : Karnataka, Maharashtra, INDIA.

18. *Sergiolus poonaensis* Tikader and Gajbe

1976. *Sergiolus poonaensis* Tikader and Gajbe, *Proc. Indian Acad. Sci.*, 84 B (5) : 186-187.

Specimen examined : 1 ♀, Barela, District Jabalpur M. P. Coll. U. A. Gajbe, 5.5.1979.

Distribution : Poona, Maharashtra, Jabalpur, Madhya Pradesh, INDIA.

19. *Haplodrassus tehriensis* Tikader and Gajbe

1977. *Haplodrassus tehriensis* Tikader and Gajbe, *Rec. zool. Surv. India*, 73 : 68-69.

Specimen examined : 1 ♀, Rangul, Kalpa District Solan, H. P. Coll. K. K. Mahajan, 15.4.1970.

1 ♀, Therikal and Ghumkhal, District Pauri, U. P. Coll. T. D. Soota, 8.3.1965 (Reg. No. 4132/18).

Distribution : Himachal Pradesh, Uttar Pradesh, INDIA.

20. *Haplodrassus sataraensis* Tikader and Gajbe

1977. *Haplodrassus sataraensis* Tikader and Gajbe, *Rec. zool. Surv. India*, 73 (1-4) : 70-71.

Specimens examined : 1 ♀, Bilaspur, H. P. Coll. *A. Hussain*, 14.2.1965. (Reg. No. 4035/18). 1 ♀, Dholra rest house, District Bilaspur, H. P. Coll. *A. Hussain*, 15.2.1965. (Reg. No. 4032/18). 1 ♂, Nahan forest Range, District Sirmor, H. P. Coll. *R. K. Bhatnagar*, 31.12.1963. (Reg. No. 4036/18). 1 ♀, Trilokpur near Nahan, District Sirmor, H. P. Coll. *T. D. Soota*, 11.1.1964. (Reg. No. 4036/18). 1 ♀, Nahan Forest Range District Sirmor, H. P. Coll. *R. K. Bhatnagar*, 29.12.1963. (Reg. No. 4033/18). 1 ♀, Nahan Forest Range, District Sirmor, H. P. Coll. *R. K. Bhatnagar*, 31.12.1963. (Reg. No. 4037/18).

1 ♂, Joga, District Hoshangabad, M. P. Coll. *H. P. Agrawal*, 14.12.1965. (Reg. No. 4145/18). 1 ♂, Mainpat, Dist. Serguja, M. P. Coll. *R. K. Singh*, 12.1.1975. 1 ♀, Mainpat, District Serguja, M. P. Coll. *R. K. Singh*, 27.1.1975. 1 ♀, Serguja, District Serguja, M. P. Coll. *R. K. Singh*, 29.1.1975.

1 ♂, Around Engineering college, Jharsuguda, Dist. Sambalpur, Orissa, Coll. *P. K. Maity*, 7.1.1972. (Reg. No. 3961/18).

1 ♀, Korsina, District Jaipur Rajasthan, Coll. *K. K. Tiwari*, 31.5.1959. (Reg. No. 3946/18).

2 ♀ ♀, Ramnagar, District Nainital, U. P. Coll. *M. Prasad*, 30.12.1968 (Reg. No. 4131/18).

2 ♂ ♂, Nangal township, Taluka-Una, District Hoshiarpur, Punjab, Coll. *A. Hussain*, 19.1.1965. (Reg. No. 41/5118). 2 ♀ ♀, Jhabber khad, District Kangra, Punjab, Coll. *A. Hussain*, 24.1.1985. (Reg. No. 4152/18). 2 ♀ ♀, Sutlej Sadan, Nangal Dist. Punjab. Coll. *T. D. Soota*, 22.1.1964. (Reg. No. 4153/18). 2 ♂ ♂, Ruper, District Ambala, Punjab, Coll. *T. D. Soota*, 17.1.1964. (Reg. No. 4155/18). 1 ♀, Ranuka lake, District Sirmur, Punjab, Coll. *T. D. Soota*, 1964. 1 ♂, Nala Garh, District Ambala, Punjab, Coll. *T. D. Soota*, 18.1.1964. 1 ♀, Nangal, District Hoshiarpur, Punjab. Coll. *T. D. Soota*, 23.1.1964.

Distribution : Maharashtra, Himachal Pradesh, Madhya Pradesh, Orissa, Rajasthan, Uttar Pradesh, Punjab, INDIA.

21. *Zelotes poonaensis* Tikader and Gajbe

1976. *Zelotes poonaensis* Tikader and Gajbe, *Proc. Indian Acad. Sci.*, 83 B (3) : 115-116.

Specimen examined : 2 ♀ ♀, 1 ♂, Fort, Chitorgarh, Rajasthan, Coll. *S. Biswas*, 6.9.1965. (Reg. No. 3944/18).

Distribution : Maharashtra, Rajasthan, INDIA.

22. *Zelotes sajali* Tikader and Gajbe

1979. *Zelotes sajali* Tikader and Gajbe, *Bull. zool. Surv. India*, 2 (1) : 84-85.

Specimens examined : 1 ♀, Patara Rest House Compound Mahsana District, Gujrat, Coll. *B. Dutta*, 25.1.1974 (Reg. No. 4126/18).

Distribution : Maharashtra, Gujrat, INDIA.

23. *Zelotes sataraisensis* Tikader and Gajbe

1979. *Zelotes sataraisensis* Tikader and Gajbe, *Bull. zool. Surv. India*, 2 (1) : 87-88.

Specimens examined : 1 ♀, Vijaypuri Hills, Andhra Pradesh, Coll. *B. Nath*, 29.8.1962. (Reg. No. 4008/18). 1 ♀, 1 ♂, Vijaypuri Hills, Andhra Pradesh, Coll. *B. Nath*, 26.8.1962. (Reg. No. 4007/18).

1 ♀, 1 ♂, Nahan Forest Range, District Sirmor, Himachal Pradesh, Coll. *R. K. Bhatnagar*, 31.12.1969. (Reg. No. 4020/18).

1 ♀, Hanigunda village, 5 Km S. W. of Sudarshan Guest House, Karnataka, Coll. *G. Ramakrishna*, 2.3.1966. (Reg. No. 4006/18).

1 ♀, Seoni, District. Seoni, Madhya Pradesh, Coll. *V. D. Srivastava*, 10.3.1970. (Reg. No. 4142/18). 2 ♀ ♀, Near pariat tank, District, Jabalpur, M. P. Coll. *U. A. Gajbe*, 16.9.1980.

1 ♀, Gambhir River near the slope of Forest Chotorgarh Rajasthan, Coll. *B. Biswas*, 9.9.1965. (Reg. No. 3942/19). 1 ♀, Panchpadra salt Depo near Circuit House Jodhpur, Rajasthan, Coll. *K. K. Tiwari*, 14.2.1958. (Reg. No. 3943/18). 1 ♀, Panchpadra salt Depo near circuit house, Jodhpur, Rajasthan, Coll. *K. K. Tiwari*, 15.2.1958. (Reg. No. 3940/18). 1 ♀, Balana, East of Mohangarh, Rajasthan, Coll. *K. K. Tiwari*, 14.1.1952. (Reg. No. 3942/18).

1 ♀, Khajanwara Forest, District Saharanpur, U. P. Coll. *T. D. Soota*, 7.3.1963. (Reg. No. 4134/18).

1 ♀, Asandha, District Karnal, Uttar Pradesh, Coll. *R. K. Bhatnagar*, 19.2.1962. (Reg. No. 4135/18).

Distribution : Andhra Pradesh, Himachal Pradesh, Karnataka, Maharashtra, Madhya Pradesh, Rajasthan, Uttar Pradesh, INDIA.

24. *Zelotes mandlaensis* Tikader and Gajbe

1976. *Zelotes mandlaensis* Tikader and Gajbe, *Proc. Indian Acad. Sci.*, 83 B (3) : 112-114.

Specimens examined : 1 ♀, Pachmarhi, M. P. Coll. *H. S. Prithi*, 15.12.1927. (Reg. No. 4143/18). 1 ♀, Pandhurna, M. P. Coll. *V. D. Srivastava*, 16.11.1971. (Reg. No. 4144/18).

2 ♀ ♀, No. Nalagarh, Dist. Ambala, Punjab. Coll. *T. D. Soota*, 18.1.1964. (Reg. No. 4164/18).

Distribution : Madhya Pradesh, Punjab, INDIA.

25. *Drassyllus khajuriai* Tikader and Gajbe

1976. *Drassyllus khajuriai* Tikader and Gajbe, *Oriental Insects*. 10 (3) : 432-434.

Specimen examined : 1 ♀, Bakhari near Sioni, District Seoni, M. P. Coll. *N. K. Sinha*, 30.11.1973. (Reg. No. 4141/18). 1 ♀, Bakhari near Sioni, District Seoni, M. P. Coll. *N. K. Sinha*, 3.11.1973. (Reg. No. 4141/18).

Distribution : Madhya Pradesh, Mandla, Seoni, INDIA.

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- TIKADER, B. K. 1973. Studies on some spiders of the family *Gnaphosidae*, from India, *Proc. Indian Acad. Sci.*, **77** (5) : 186-189.
- TIKADER, B. K. AND GAJBE, U. A. 1975. New species of *Drassodes* spiders (Araneae : Gnaphosidae) from India *Oriental Ins.*, **1** (3) : 273-281.
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- TIKADER, B. K. AND GAJBE, U. A. 1976. Studies on some spiders of the genus *Zelotes* Gistel from India (Family Gnaphosidae) *Proc. Indian Acad. Sci.*, **83** (3) : 109-122.
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