JoTT Nоте 1(10): 533-534

Revalidating the taxonomic position of the Indian *Ischnocolus* spp. (Araneae: Theraphosidae)

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Tikader (1977) reported the genus *Ischnocolus* Ausserer, 1871 for the first time from India with the description of two new species *I. decoratus* Tikader, 1977 and *I. khasiensis* Tikader, 1977. The known distribution of this genus is mainly in the Mediterranean countries and nearby countries like Ethiopia, Cameroon and Congo in Africa; and in other parts of the world such as Brazil and India. Siliwal et al. (2005) commented that the report of *Ischnocolus* from India could be a case of misidentification.

The subfamily Ischnocolinae differs from rest of the subfamilies of the family Theraphosidae by the absence of stridulating organ (Smith 1987, 1990, 1994). Spiders belonging to the closely related subfamily Selenocosmiinae differ in having stridulatory organ in the form of numerous bacilliform setae on the prolateral surface of maxillae and short spike setae on the retro-margin of the chelicerae; legs are without spines; and metaspines are present (Pocock 1900; Raven 1985; Smith 1987).

In order to verify its status, the type specimens of Indian *Ischnocolus* spp. were examined at the Zoological Survey of India collection in Kolkata. On detailed examination of the types, the following were noted in both *Ischnocolus decoratus* and *I. khasiensis* types: (i) presence of the stridulating organ on the chelicerae; (ii) presence of enlarged paddle setae in the maxillary lyra and short thorn setae on retro-lateral side of the chelicerae.

While the presence of stridulatory organ places the taxa in the subfamily Selenocosmiinae (Pocock 1900; Raven 1985; Smith 1987), the paddle setae in the maxillary lyra and short

Date of publication (online): 26 October 2009 Date of publication (print): 26 October 2009 ISSN 0974-7907 (online) | 0974-7893 (print)

Editor: D.B. Bastawade

Manuscript details:

Ms # o1981 Received 19 April 2008 Final received 12 October 2009 Finally accepted 15 October 2009

Citation: Siliwal, M. (2009). Revalidating the taxonomic position of the Indian *Ischnocolus* spp. (Araneae: Theraphosidae). *Journal of Threatened Taxa* 1(10): 533-534.

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Acknowledgement: I thank the Rufford Small Grants and DEFRA / FFI Flagship Species Fund (project No. 06/16/02 FLAG) for financial support to the Indian Theraphosid Project.

thorn setae on the chelicerae confirms its identity as genus *Chilobrachys* Karsch, 1891 (Pocock 1900; Raven 1985). I therefore transfer the two described species of *Ischnocolus* from India to the genus *Chilobrachys* Karsch, 1891 (Images 1-2, 4-5).



Further, on examining the female genitalia of the types of *I. decoratus* (Image 3), all were found to be immature due to the conspicuous absence of spermathecae or seminal receptacles. The author may have probably confused the very prominent stiff epigastric fold dorsally due to hardening of the preserved specimens to be the spermathecae (Image 3) and named it a new species. The type specimens of *I. decoratus* from Borivali National Park resemble *Chilobrachys fimbriatus* Pocock, 1899 in stridulatory structure and dorsal patterns on the abdomen (chevron marking), and therefore are juvenile specimens of *C. fimbriatus*.

I place *Ischnocolus decoratus* Tikader, 1977 as a synonym under *Chilobrachys fimbriatus* Pocock, 1899, and transfer *Ischnocolus khasiensis* Tikader, 1977 to *Chilobrachys khasiensis* (Tikader, 1977).

Material examined: Ischnocolus decoratus Tikader, 1977, holotype, female, Borivali National Park, Bombay, Maharashtra, viii.1975, coll. J.S. Serrao, registration number not provided, Zoological Survey of India, Kolkata. Paratype: 1 female, Medtedi, near Mahabaleshwar, Satara District, Maharashtra, India, 29.v.1976, coll. B.K. Tikader, registration number not provided, Zoological Survey of India, Kolkata; 1 female, Borivali National Park, Bombay, Maharashtra, viii.1976, coll. S.R. Nayak, registration number not provided, Zoological Survey of India, Kolkata.

Ischnocolus khasiensis Tikader, 1977, holotype, female, Umshining, Khasi and Jaintia Hills, Meghalaya, India, 24.vii.1969, coll. B. Dutta, registration number not provided, Zoological Survey of India, Kolkata.

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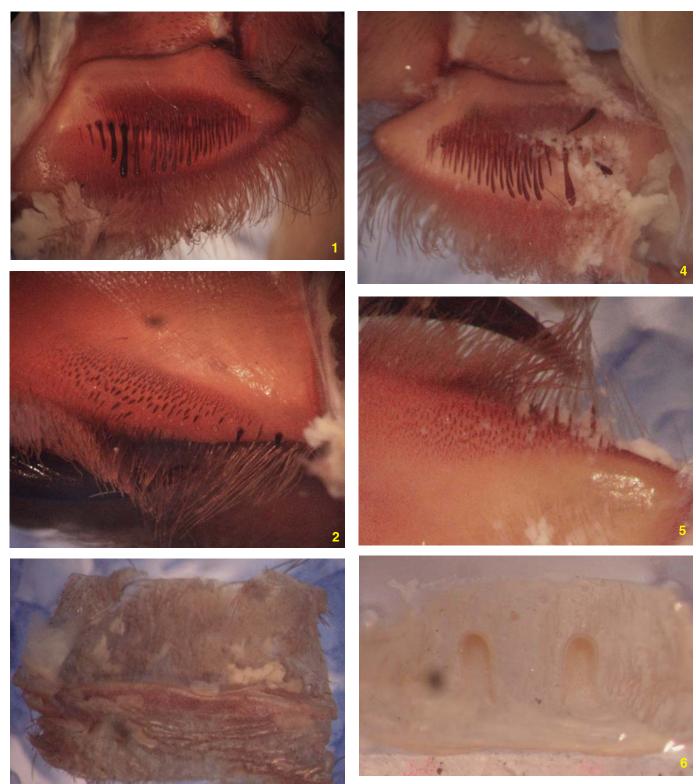
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Images 1-3. *Chilobrachys fimbriatus* Pocock, 1899 (originally described as *Ischnocolus decoratus* Tikader, 1977 based on immature holotype).

- 1 maxilla, retrolateral view, showing stridulatory setae;
- 2 chelicera, prolateral view, showing stridulatory setae;
- 3 epigastral fold, dorsal view.

Images 4-6. *Chilobrachys khasiensis* (Tikader, 1977) (originally described as *Ischnocolus khasiensis* Tikader, 1977), female.

- 4 maxilla, retrolateral view, showing stridulatory setae;
- 5 chelicerae, prolateral view, showing stridulatory setae that are comparatively smaller than those in *Chilobrachys fimbriatus*;
- 6 spermathecae.