



## ***Notiocoelotes*, a new genus of the spider subfamily Coelotinae from Southeast Asia (Araneae, Amaurobiidae)**

XIN-PING WANG<sup>1</sup>, XIANG XU<sup>2</sup> & SHUQIANG LI<sup>3,4</sup>

<sup>1</sup> College of Life Sciences, Hebei University, Baoding 071002, Hebei, China

<sup>2</sup> College of Life Sciences, Hunan Normal University, Changsha 410081, Hunan, China

<sup>3</sup> Institute of Zoology, Chinese Academy of Sciences, Beijing 100101, China

<sup>4</sup> Corresponding author. E-mail: lisq@ioz.ac.cn

### **Abstract**

*Notiocoelotes* gen. nov. is described from China, Laos, Thailand and Vietnam. The type species is *N. palinitropus* (Zhu & Wang 1994) **comb. nov.** from Hainan Island, China, and is transferred from *Coelotes* Blackwall 1841. Other species included in this new genus are: *N. laosensis* **sp. nov.** from Khammouan, Laos; *N. lingulatus* **sp. nov.** from Hainan Island, China; *N. sparus* (Dankittipakul, Chami-Kranon & Wang 2005) **comb. nov.** from Nakhon Ratchasima, Thailand transferred from *Iwogumoa* Kishida 1955, and *N. vietnamensis* **sp. nov.** from Huong Son, Vietnam. Females of *Notiocoelotes* gen. nov. can be recognized from other Coelotinae species by the absence of epigynal teeth and the presence of a tongue-shaped atrial scape on the posterior atrium, and males by the presence of a strongly bifurcated lateral tibial apophysis and the long, coiled conductor. The species of *Notiocoelotes* gen. nov. are similar to the basal clade genera, i.e., *Coronilla* Wang 2004, *Femoracoelotes* Wang 2002, *Alloclubionoides* Paik 1992, and *Robusticoelotes* Wang 2002 in lacking epigynal teeth and having a simple or reduced median apophysis, but the long conductor and the absence of a conductor dorsal apophysis are similar to the genera *Pireneitega* Kishida 1955 and *Iwogumoa* Kishida 1955.

**Key words:** Taxonomy, transfer, new species, China, Laos, Thailand, Vietnam

### **Introduction**

With 422 described species (Platnick 2008; Wang 2008), the Holarctic spider subfamily Coelotinae F.O.P.-Cambridge 1893 is one of the most diverse spider groups and shows a continuous distribution pattern from North America (west to the Rocky Mountains and north to southern Canada), Europe (north to southern Sweden and Finland), Middle Asia, East Asia, Himalayan region (Nepal, Bhutan, Pakistan) to Southeast Asia (south to northern Vietnam and central Thailand) (Muma 1946; Blauwe 1973; Bennett 1987; Nishikawa 1995; Wang 2002; Ovtchinnikov & Inayatullah 2005; Dankittipakul *et al.* 2006). Many Coelotinae species are rather endemic, particularly to the islands (Shimojana 1982, 1989, 2000a, 2000b). In addition to the revisionary work of some genera by Wang (2002, 2003), a series of papers dealing with Coelotine fauna have been published since, including at least twenty papers published in the last two years (Chami-Kranon *et al.* 2006; Dankittipakul *et al.* 2006; Kim & Lee 2006a, 2006b, 2007; Kim *et al.* 2007; Okumura & Ono 2006; Wang & Jäger 2007; Xu & Li 2006a–e; Xu *et al.* 2006; Xu & Li 2007a–c; Zhang *et al.* 2006; Zhang & Zhu 2007; Zhang *et al.* 2007). The research results reveal even richer species diversity in East Asia, the Himalayan region, and northern Southeast Asia.

Among the coelotines described from East Asia and Southeast Asia, a group of five species was recognized and a new genus, *Notiocoelotes* gen. nov., is proposed to accommodate them. One of the species