



## The millipede tribe Sundaninini in Vietnam (Diplopoda: Polydesmida: Paradoxosomatidae)

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### Abstract

*Pseudosundanina* **gen.nov.** is created to accommodate the species *Sundanina falcata* Attems, 1937 **new combination**, which is redescribed from near-tytotypic material. In addition, two new species of *Sundanina* are described: *S. medialis* **sp.nov.** from northern and *S. cochinchina* **sp.nov.** from southern Vietnam. A key is compiled to all four Sundaninini species currently known from Vietnam.

**Key words:** Millipede, Sundaninini, new genus, new species, key, Vietnam

### Introduction

The family Paradoxosomatidae strongly dominates the millipede fauna of Vietnam, with 65 described species involved (Enghoff *et al.* 2004; Nguyen *et al.* 2006). This accounts for 46% of the total millipede diversity currently known in Vietnam, but the real figure can readily be expected to be several times higher.

The tribe Sundaninini Jeekel, 1968 can be certainly distinguished from other paradoxosomatid tribes in following characteristics: first pair of legs without femoral tubercles; gonopod femorite with/without one or two femoral processes; solenomere closely applied to the medial side of the tibiotarsus; usually with small subtriangular preapical process at tip of tibiotarsus. This tribe currently includes eight genera and 41 species: *Sundanina* Attems, 1914 (13 species), *Batakina* Jeekel, 1979 (1 species), *Sumatreonina* Golovatch, 1995 (1 species), *Sundaninella* Jeekel, 1968 (5 species), *Arthrogonopus* Jeekel, 1963 (6 species), *Kalimantanina* Jeekel, 1963 (7 species), *Borneonina* Jeekel, 1963 (1 species), and *Opisthodolichopus* Verhoeff, 1941 (7 species) (Jeekel 1963, 1968, 1979; Golovatch 1995, 1996; Golovatch & Wytwer 2001). Sundaninines are mainly characteristic of the paradoxosomatid faunas of the Sunda region (Borneo, Singapore, Sumatra, Java and some other islands of Indonesia), with just a few species recorded in Indochina. Thus, only two species, *Sundanina falcata* Attems, 1937 and *Sundaninella flavipes* (Attems, 1953), have hitherto been found in Vietnam (Attems 1937, 1938, 1953). Yet, since the description of *Sundanina falcata*, its taxonomic status has been questioned. Following Attems (1937, 1938), Jeekel (1968: 60) referred to this species as “*Sundanina*” *falcata* Attems, 1937, suggesting its future allocation in an “unnamed genus”. Both Golovatch (1983) and Enghoff *et al.* (2004) followed Jeekel, also referring to its genus put in quotation marks.

Based on fresh material taken from Vietnam, the generic status of “*Sundanina*” *falcata* is revised here, with a new genus proposed to accommodate this species. In addition, two new species of *Sundanina* are described.

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