



Two new species of the spider genus *Tropizodium* Jocqué & Churchill, 2005 with notes on the femoral organ clade from Southeast Asia (Araneae, Zodariidae, Zodariinae)

PAKAWIN DANKITTIPAKUL¹, RUDY JOCQUÉ² & TIPPAWAN SINGTRIPOP¹

¹Department of Biology, Faculty of Science, Chiang Mai University, Chiang Mai 50200, Thailand

E-mail: pakawin@gmail.com; sboi020@chiangmai.ac.th, tippawan.si@cmu.ac.th

²Invertebrate non-insects Section, Royal Museum for Central Africa, B-3080 Tervuren, Belgium. E-mail: jocque@africamuseum.be

Abstract

Four species of *Tropizodium* Jocqué & Churchill, 2005 are newly recognized from Southeast Asia of which two species are new: *T. siam* **sp. nov.** from northern Thailand and *T. murphyorum* **sp. nov.** from Bali, Indonesia. *Tropizodium serraferum* (Lin & Li, 2009) **comb. nov.** is here transferred from *Zodariellum* Andreeva & Tyschchenko, 1968. The monotypic genus, *Indozodion* Ovtchinnikov, 2006, is considered a junior synonym of *Tropizodium*. Its single species consequently becomes *Tropizodium inayatullahi* (Ovtchinnikov, 2006) **comb. nov.**

Key words: Asia, taxonomy, new species, *Tropizodium*, new synonymy

Introduction

Tropizodium Jocqué & Churchill, 2005 is a small genus and comprises only three species: *T. molokai* Jocqué & Churchill, 2005 (Hawaii), *T. peregrinum* Jocqué & Churchill, 2005 (Australia) and *T. trispinosum* (Suman, 1967) (Hawaii) to date. Prior to the present study, the spider genus *Tropizodium* was confined to the Hawaiian Archipelago and Northern Territory in Australia. The genus is characterized by the small interchelicer triangle, the extremely large AME and very small ALE, PME and PLE, the straight embolus and the epigyne with extremely short and obscure copulatory ducts. Representatives of that genus are among the most derived members of the Zodariinae but they are very rare in collections.

Together with 12 other zodariid genera *Tropizodium* is part of the “femoral organ clade” within the subfamily Zodariinae, characterized by the presence of a gland on the prolateral face of femora I–III. Three genera from the “femoral organ clade” have been reported from Asia: *Suffasia* Jocqué, 1991, *Tropizodium* Jocqué & Churchill, 2005 and *Zodariellum* Andreeva & Tyschchenko, 1968. The record of *Zodarion luzonicum* Simon, 1893 from the Philippines was based on a juvenile (Simon 1893), which is regarded as *nomen dubium* (Dankittipakul, Jocqué & Singtripop accepted). Two species described from China were initially placed in *Zodarion* (Zhu 1988; Zhu & Zhu 1983) and subsequently transferred to *Zodariellum* (Marusik & Koponen 2001). The monotypic genus, *Indozodion* Ovtchinnikov, 2006, was recently established to accommodate *I. inayatullahi* Ovtchinnikov, 2006—a species hitherto known from Pakistan. The present article adds four additional species from Asia to *Tropizodium*, of which two are new to science, and the other two are transferred from *Zodariellum* and *Indozodion*. *Tropizodium* includes now seven species.

Material and methods

The present study is a taxonomic contribution on the basis of all the adult specimens which recently became available from the collection at Muséum d'Histoire Naturelle, Geneva, Switzerland (MHNG). Type material of the new