



Six new species of the spider family Ochyroceratidae Fage 1912 (Arachnida: Araneae) from Southeast Asia

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Abstract

Five new *Altheopus* species and one new *Psilodermes* species of the family Ochyroceratidae are described from Southeast Asia: *Altheopus erectus* **spec. nov.** (male) and *A. nophaseudi* **spec. nov.** (male, female) from Laos, *A. flabellaris* **spec. nov.** (male, female) from Thailand, *A. reduncus* **spec. nov.** (male) from Myanmar, *A. spiralis* **spec. nov.** (male) from Malaysia, and *Psilodermes dicellocerus* **spec. nov.** (male) from Indonesia. Primary types are deposited in the Senckenberg Research Institute in Frankfurt, Germany (SMF).

Key words: taxonomy, cave, Haplogynae, Laos, Thailand, Myanmar, Malaysia, Indonesia

Introduction

The spider family Ochyroceratidae Fage 1912 is distributed worldwide with 14 genera and 161 species (Platnick 2013). Members are common inhabitants of tropical forest litter and caves in South Africa, the Caribbean and Asia, especially species rich in the Indo-Pacific (Deeleman-Reinhold 1995). Ochyroceratidae is considered the sister group of Leptonetidae Simon 1890 and Telemidae Fage 1913 (Platnick 1991). Representatives construct either irregular webs or fine sheet webs in or above the litter layer. *Altheopus* species prefer dark, shady and humid spots and are frequently found among tree buttresses, river embankments and cave entrances.

So far, the pholcid-like genera *Altheopus* Thorell 1898 and *Psilodermes* Simon 1892 are confined to the Indomalaya ecozone. Sixteen species of the genus *Altheopus*—thirteen of which were described by Deeleman-Reinhold (1985, 1995)—and twenty-six species of the genus *Psilodermes*—twenty of which were described by Deeleman-Reinhold (1995)—were known from Southeast Asia before the current study. In this paper, six new species of the genera are described from Laos, Myanmar, Thailand, Malaysia, and Indonesia.

Material and methods

The specimens were observed and preserved in 80% ethanol. Specimens were examined and measured using a Leica M205 C stereomicroscope. Further details were studied under an Olympus BX41 compound microscope. All drawings were made using a drawing apparatus attached to an Olympus BX41 compound microscope, and then inked on ink jet plotter paper. Type specimens examined are deposited in the Research Institute Senckenberg, Frankfurt, Germany (SMF) and in the Institute of Zoology, Chinese Academy of Sciences in Beijing, China (IZCAS). Methods are the same as in Wang and Li (2011), terminology follows that of Tong and Li (2007) and Deeleman-Reinhold (1995). The right palp of male spiders was illustrated. All measurements are given in millimetres. Leg and palp measurements are shown as: total length (femur, patella, tibia, metatarsus, tarsus). Leg segments were measured from their dorsal side. Abbreviations of morphological structures: CO, conductor; EM, embolus; and SP, spermatheca.

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