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A new species of *Quwatanabius* Smetana (Coleoptera, Staphylinidae, Staphylininae) from Guangxi, South China

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Abstract

A new species of *Quwatanabius* Smetana, *Q. dayaoensis* Hu, Li & Zhao **sp. n.** from Dayao Mountain, Guangxi Province, China, is described and illustrated. An identification key to species of *Quwatanabius* is provided.

Key words: Coleoptera, Staphylinidae, Staphylininae, *Quwatanabius*, China, taxonomy, new species, key

Introduction

Four species of the genus *Quwatanabius* Smetana are currently known: *Q. flavicornis* Sharp, 1889 (Japan, Taiwan), *Q. chiaw* Smetana, 1995 (Taiwan), *Q. yanbini* Hu *et al.*, 2012 (South China: Guangdong) and *Q. zhejiangensis* Hu *et al.*, 2012 (East China: Zhejiang). During our recent collecting trips in Guangxi, a new species of the genus was found. The purpose of this paper is to describe and illustrate the new species and to provide a key to the known species of *Quwatanabius*.

Material and methods

The specimen was collected in a piece of rotten wood on the forest floor. The sternites and tergites from the 8th abdominal segment and the aedeagus were dissected and mounted in Euparal on plastic slides. The habitus photos were taken using a Canon 50D camera. The photos of the tergite, sternites and aedeagus were taken using a Canon G9 camera mounted with an Olympus CX31 microscope.

Body parts were measured in the following manner:

Body length (BL): from the anterior margin of the labrum to the apex of abdomen;

Forebody length (FL): from the anterior margin of the labrum to the apex of elytra along midline;

Head length (HL): from the apical margin of the head capsule to its posterior margin;

Head width (HW): maximal width of the head across eyes;

Eye length (EyL): longitudinal length of eye in dorsal view;

Tempora length (TL): length of tempora in dorsal view;

Pronotum length (PL): from the front margin of the pronotum to its posterior margin along the imaginary median line;

Pronotum width (PW): across its widest part;

Elytra width (EW): across their widest part.

Elytra length at suture (ELs): from the apex of scutellum to the apex of suture;

Elytra length at lateral margins (ELm): from the humeral angle to the elytral apex.

Holotype of the new species is deposited in the Insect Collection of Shanghai Normal University, Shanghai, P. R. China (SNUC).