



Article

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First record of *Kamimuria* (Plecoptera: Perlidae) from Hainan Island of China, with description of *K. hainana* n. sp.

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Abstract

The genus *Kamimuria* is reported from Hainan Island, China for the first time with *K. hainana* **sp. nov.** described as new to science. The taxonomic relationship with similar species is discussed.

Key words: Plecoptera, Perlidae, *Kamimuria*, new species, China

Introduction

The genus *Kamimuria* is distributed in the East Palaearctic and Oriental Regions (Teslenko 2006) and includes at least 60 species (Sivec & Stark 2008; DeWalt et al. 2012). More than 40 species have been described from China, but types of many species are lost and these species are only known from original descriptions without illustrations of diagnostic internal genital structures, thus considered as doubtful taxa (Chu 1929; Du 1999, 2005; Du et al. 1999; Du & Ran 2002; Du & Sivec 2004, 2005; Du & Wang 2005, 2007; Du et al. 2001; Klapálek 1912, 1913, 1921; Sivec et al. 1988; Sivec & Stark 2008; Wu 1935, 1938, 1940, 1947, 1962, 1973; Wu & Claassen 1934). However, several earlier species have been re-described in recent works (Du 1999; Sivec 1981; Sivec & Stark 2008).

In the present paper, we describe a new species, *K. hainana* **sp. nov.** from Hainan Island, Hainan Province, China which represents the first record of the genus for the island. The island with an area of almost 34,000 km² is located in the South China Sea. It is separated from Guangdong's Leizhou Peninsula to the north by the rather shallow and narrow Qiongzhou Strait. The Island was part of Guangdong Province before 1988 as referred to in Wu (1962, 1973). Hainan has a very moist tropical monsoonal climate that brings rain during summer and clear weather during winter. The type is deposited in the Insect Collection of Henan Institute of Science and Technology (HIST). Terminology of aedeagal structure follows that of Sivec et al. (1988).

Taxonomy

Kamimuria hainana **sp. nov.**

(Figs. 1–10)

Male. Forewing length 16.8 mm, hindwing length 14.6 mm. General color yellow brown. Head yellow brown with a dark brown sub-square area covering ocellar triangle, slightly wider than pronotum; compound eyes dark; antennae brown. Pronotum yellow brown with darker median strip and scattered dark rugosities (Fig. 1); wing membrane pale brown, veins brown; legs mostly yellowish brown with basal half of femora paler (Fig. 6).