



## New taxa and notes of some described species of scaly crickets (Orthoptera: Mogoplistidae: Mogoplistinae) from Singapore

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### Abstract

Two new species of Mogoplistinae from Singapore are described: *Micrornebius kopisua* sp. n. and *Ornebius insculpta* sp. n. The first record and description of males of *Ornebius albipalpus* Ingrisch, 2006 and females of *Ornebius tampines* Tan & Robillard, 2012 are given. The occurrence of *Ornebius rufonigrus* Ingrisch, 1987 in Singapore is confirmed while confirming the identity of another *Ornebius* species from Singapore with *Ornebius* cf. *pullus* Ingrisch, 2006 requires further investigation. A key to the species of Mogoplistinae from Singapore is provided.

**Key words:** Orthoptera, Mogoplistinae, new species, new records, key, Singapore

### Introduction

A comprehensive study of the scaly crickets (Orthoptera: Mogoplistidae: Mogoplistinae) of South East Asia was published by Ingrisch (2006). Nevertheless, the explorations of the scaly crickets in the region may be fragmented and many species are restricted in distribution. In Singapore, scaly crickets were recently recorded in a number of inventories published to document the orthopteran fauna of Singapore (Tan, 2010, 2012; Tan *et al.*, 2012; Tan & Wang, 2012). So far, 10 species of scaly crickets were recorded from Singapore: five species of *Ornebius*, two species of *Micrornebius* and one each of *Apterornebius*, *Cycloptiloides* and *Ectatoderus* (Ingrisch, 2006; Tan, 2010, 2012; Tan *et al.*, 2012; Tan & Robillard, 2012; Tan & Wang, 2012). However, several of the recordings were only tentatively identified to genus level.

A re-examination of those specimens of scaly crickets revealed two new species, one from the genus *Micrornebius* Chopard, 1969 and one from the genus *Ornebius* Guérin-Méneville, 1844. It was previously reported that two species of *Micrornebius* were recorded from Singapore: *Micrornebius cylindricus* Ingrisch 2006 and *Micrornebius* sp. (see Ingrisch, 2006; Eades *et al.*, 2012). The latter was represented by a single female (Ingrisch, 2006). In this paper, the male is described and name formally given. One species of *Ornebius* is also described here. There are also species from Singapore with incomplete descriptions. *Ornebius albipalpus* Ingrisch, 2006 and *Ornebius tampines* Tan & Robillard, 2012 were described only from females or males respectively. Based on new materials, the descriptions of corresponding males and females are presented. The male phallic complex of *Ornebius tampines* is also partly redescribed here to improve the original description. There is also a new record of scaly crickets for Singapore. Previously identified only as *Ornebius* sp. (see Tan, 2010), it is now confirmed that these specimens from Singapore belong to *Ornebius rufonigrus* Ingrisch, 1987, previously known only from Thailand. *Ornebius* cf. *pullus* Ingrisch, 2006 in question is also discussed.