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A new genus and four new species of Phyllocoptinae (Acari: Eriophyoidea) from China

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Abstract

A new genus and four new Phyllocoptinae species are described and illustrated from Guangxi Zhuang Autonomous Region, China. They are: *Asetiabacarus* n. gen. and *Asetiabacarus maesae* **n. sp.** (infesting *Maesa japonica* (Thunb.) Moritzi and Zll.), *Abacarus virosae* **n. sp.** (infesting *Fluggea virosa* (Roxb. ex Willd.) Baill.), *Tetra sinicae* **n. sp.** (infesting *Coriaria sinica* Maxim.), and *Leipothrix guangxiensis* **n. sp.** (infesting *Alocasia macrorrhiza* (L.) Schott).

Key words: *Asetiabacarus*, *Abacarus*, *Tetra*, plant mites, Eriophyidae, taxonomy, Asia

Introduction

Guangxi Zhuang Autonomous Region is located in southern China, where the climate and flora are subtropical. So far, 55 genera and 91 species of eriophyoid mites have been reported from the area (Chen & Wei 2003, 2004). To understand more eriophyoid fauna of Guangxi, we collected eriophyoid mites from all over the region. During the past three years, we conducted yearly surveys of plant-inhabiting mites in Longlin, Jinxi and Heng counties, and collected 64 species of eriophyoid mites. Herein, four new species are described from these collections.

Specimens recovered from plant materials were prepared and slide mounted according to Xin (1988). The morphological terminology used here follows Lindquist (1996) and the generic classification is made according to Amrine *et al*. (2003). All type specimens are deposited in the Agricultural College, Guangxi University, Guangxi Zhuang Autonomous Region, China. All measurements are given in micrometers (μm) and are lengths when not specified. All specimens were examined with an Olympus CX41RF (Japan) microscope. Photos were taken with a Sony digital camera and illustrations prepared with the software ACDSee6.0.

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