



Two new species of *Disella* (Eriophyidae: Nothopodinae: Nothopodini) from South China

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Abstract

Two new species of *Disella* from the Lao Mountains and Tongling Great Canyon, Guangxi Zhuang Autonomous Region, China are described and illustrated: *Disella biaristatume* **sp. nov.** on *Huodendron biaristatum* (Styracaceae) and *Disella baisensis* **sp. nov.** on *Caesalpinia* sp. (Fabaceae). Both species described here are vagrant on the undersurface of host leaves. A key to the species of *Disella* from China is provided.

Key words: eriophyid mite, key, taxonomy, *Disella biaristatume*, *Disella baisensis*

Introduction

The genus *Disella* was established by Newkirk & Keifer (Newkirk & Keifer, 1975) based on the type species *Floracarus ilicis* Keifer 1965 and characterized as: prodorsal shield tubercles plicate, ahead of rear margin, coxal seta I (*Ia*) absent, coxae I sternal line present, opisthosoma annuli with low, central ridge, all ventral setae present. So far, the genus holds 17 species (Li & Wei 2006, Wei *et al.* 2006, Huang & Cheng 2005, Navia & Flechtmann 2005, Amrine *et al.* 2003), and 8 species had been reported in China (Li & Wei 2006, Wei *et al.* 2006, Huang & Cheng 2005, Huang 2001, Kuang & Feng 1990). Guangxi Zhuang Autonomous Region is a subtropical area in southern China where the flora is rich. To discover more eriophyid fauna of Guangxi, we conducted a survey of eriophyid mites from Jingxi county and Tianlin county. In this paper, two new species from the two areas are described. A key to the species of *Disella* in China is provided.

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). All specimens were examined with an Olympus CX41 (Japan) microscope and photos taken with a Sony DSC-P8 digital camera (Japan, 3.2 mega pixels), and drawn with the program Adobe Photoshop CS in PC.

Key to the species in the genus *Disella* in China

- 1 Coxal area with granules or short lines..... 2
- Coxal area smooth 6