



## A new genus and three new species of Nothopodinae (Acari: Eriophyidae) from Guangxi, China

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### Abstract

A new genus and three new species of eriophyid mites from Guangxi Zhuang Autonomous Region, South China are described and illustrated: *Calliparus lanceolarus* n. gen., n. sp. infesting *Glochidion lanceolarium* (Roxb.) Voigt (Euphorbiaceae); *Colopodacus glochidion* n. sp. infesting *Glochidion* sp. (Euphorbiaceae) and *Neocosella laurifolia* n. sp. infesting *Genianthus laurifolius* (Roxb.) Hook.f. (Asclepiadaceae). All species described here are vagrants on the undersurface of host leaves.

**Key words:** eriophyid mite, taxonomy, new species, new genus, China

### Introduction

The subfamily Nothopodinae Keifer, 1956, was established for the eriophyid genera *Nothopoda* Keifer, 1951 and *Floracarus* Keifer, 1953 (Keifer, 1956). Mites in this subfamily are distinguished by: tibiae reduced or completely fused with tarsi; tibiae I without seta; and tarsi without spatulate projections. To date, about 242 eriophyid species have been recorded in Guangxi; of these, 30 species in 10 genera belong to the subfamily Nothopodinae (Wei *et al.* 2009). Based on a series of recent surveys of eriophyid mites in Guangxi Zhuang Autonomous Region, South China, one new genus and three new species in the subfamily Nothopodinae are described and illustrated herein. A key to the genera of the Nothopodinae from Guangxi is provided.

### Materials and methods

Specimens were located with the aid of a magnifying glass and preserved in sucrose-ethanol saturated solution. The mites were cleared in Nesbitt's solution and mounted in Heinze medium on glass slides at room temperature according to Kuang (1986). The morphological terminology and the generic classification follows Amrine *et al.* (2003).

Type specimens are deposited in the Department of Plant Protection, Guangxi University, Nanning. All measurement units are given in micrometers ( $\mu\text{m}$ ) and rounded off to the nearest full number, and are lengths when not specified. All specimens were examined with an Olympus CX41 (Japan) microscope and illustrations were prepared with ACDS6.0 software. The number of measured specimens is given in parentheses.