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A new species and new record of Eriophyoidea (Acari: Prostigmata) from Cuba

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Abstract

A new species of eriophyoid mite is described, *Catachela acaciae* sp. nov., from *Acacia farnesiana* (L.) Willd. (Fabaceae, Mimosoideae), and one new record for Cuba is reported: *Diptilomiopus pamithus* (Boczek & Chandrapatya, 1989) on *Mangifera indica* L. (Anacardiaceae).

Key words: eriophyoid mites, taxonomy, Cuba

Introduction

Eriophyoid mites are a very diverse group with approximately 3940 species in three families (de Lillo & Amrine 2003). Many scientists have recorded Eriophyoidea in Cuba (e.g., Cook 1906, 1909; Bruner *et al.* 1975; Sierra & Martinez 1987, 1988; Cuervo *et al*. 1994; Suarez 2004; Torre de la & Martinez 2004). A recent list of eriophyoid mites known to date from Cuba (Torre de la & Martinez 2004) recorded 30 species of Eriophyidae and three species of Phytoptidae.

Since that list, additional eriophyoid mites have been reported: *Amrineus cocofolius* Flechtmann, 1994, on *Cocos nucifera* L. (Cabrera *et al*. 2007); *Aceria knorri* Keifer, 1962, on *Bidens pilosa* L. (Asteraceae); *Shevtchenkella stefneseri* Craemer, 1996, on *Lantana camara* L. (Verbenaceae) (Torre de la 2005); *Aceria mangiferae* Sayed, 1946 (= *Eriophyes mangiferae*.), *Tegonotus mangiferae* (Keifer, 1946) (Santos *et al*. 2005); *Aceria kenyae* (Keifer, 1966) (= *Cisaberoptus kenyae*) and *Spinacus pagonis* Keifer, 1979 on mango (*Mangifera indica* L.) (Anacardiaceae) (Cabrera *et al*. 2006) and *Calacarus flagelliseta* Flechtmann, *et al.* 2001 on papaya (*Carica papaya* L.) (Caricaceae) (Gonzalez *et al*. 2007)

The objective of this paper is to describe a new taxon and communicate one new record from Cuba.

Materials and Methods

Mites were collected from leaves of *Acacia farnesiana* (L.) Willd. using a fine pin and were mounted in Hoyer's medium. All measurements are given in micrometers (µm) and are mean values followed by ranges in parentheses. Specimens were examined with a Zeiss Axioscop 40 with phase contrast. Terminology used is that of Amrine *et al*. (2003). Mites were identified to genus with Amrine *et al.* (2003) and Flechtmann (2004).

