

Three new species of eriophyid mites (Acari: Eriophyidae) from the State of São Paulo, Brazil

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Abstract

Three new species of eriophyid mites are described from the State of São Paulo, Brazil. *Abacarus nectandrae* n. sp. and *Aceria megalops* n. sp. were found on *Nectandra membranacea* (Sw.) Griseb (Lauraceae) and *Guapira opposita* (Vell.) Reitz (Nyctaginaceae), respectively, both native trees of the Atlantic Forest. *Aceria korykis* n. sp. was found on the ornamental *Acalypha reptans* Sn. (Euphorbiaceae), introduced from India and commonly cultivated in Brazil.

Key words: *Abacarus*, *Aceria*, taxonomy, forest, ornamental, *Nectandra membranacea*, Lauraceae, *Guapira opposita*, Nyctaginaceae, *Acalypha reptans*, Euphorbiaceae

Introduction

This paper reports the occurrence of three new species of eriophyid mites (Acari: Eriophyidae) from the State of São Paulo, Brazil. Two species were collected in surveys conducted in the Atlantic Forest, along the coast of the State, in a study on the diversity of mites on arboreal plants in natural habitats. One species was collected on a herbaceous ornamental, introduced from India and commonly cultivated in Brazil.

Measurements are given in micrometers and unless otherwise specified refer to the length of each structure. For females, each measurement of the holotype precedes the corresponding range for the paratypes.