



## New taxa in the Eriophyidae (Acari, Prostigmata) from forest trees in southern Brazil

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### Abstract

Two new genera and five new species of Eriophyidae from forest trees in southern Brazil are described, namely: *Juxtacolopodacus* n. gen., *Juxtacolopodacus phalakros* n. sp. from *Mollinedia clavigera* Tul. (Monimiaceae); *Procalacarus perporosus* n. sp., from *Randia armata* (Sw.) (Rubiaceae); *Scolotosus* Flechtmann & Keifer, n.gen., *Scolotosus centrolobii* Flechtmann & Keifer, n. sp., from *Centrolobium robustum* Mart. (Leguminosae); *Scolotosus hartfordi* n. sp., from *Centrolobium tomentosum* Guill. (Leguminosae), and *Metaculus tanythrix* n. sp., from *Dicksonia sellowiana* Hook. (Dicksoniaceae).

**Key words:** Acari, Eriophyidae, forest trees, taxonomy

### Introduction

Earlier records of eriophyid mites from southern Brazil are Flechtmann & Santana (2001, 2007) and Santana & Flechtmann (2002) on forest trees, and Flechtmann (2002) on ferns. A further survey yielded one new genus and four new species in the family Eriophyidae which are herein described; the year of publication of the genus *Scolotosus* Flechtmann & Keifer is corrected in accordance with the International Rules of Zoological Nomenclature.

### Material and methods

Branches and leaves were examined under a stereomicroscope; mite specimens were transferred to Keifer's Liqueur (Isopropyl alcohol 25 ml, water 60 ml, sorbitol 30 g, a dash of KI and two iodine crystals)(Keifer, personal communication, in 1970) and later mounted in BDTA Modified Berlese Medium (Amrine & Manson, 1996). Terminology and classification follows Amrine *et al.* (2003). All measurements are in micrometers and refer to the length of the structures unless otherwise specified. For the females, measurement of holotype is followed, in parentheses, by the range from paratypes. The count of ventral opisthosomal annuli starts from genitalia rear margin and the count of dorsal opisthosomal annuli starts from the prodorsal rear shield margin.

### Taxonomy

#### *Juxtacolopodacus* n. gen.

Body elongate, robust anteriorly with a broad dorsopropodosomal shield; shield with a pronounced narrow