

## **New genus and seven new species of Brazilian eriophyid mites and redescription of *Catachela machaerii* Keifer (Acari: Prostigmata: Eriophyoidea)**

CARLOS H.W. FLECHTMANN

*CNPq-Brazil Researcher, Universidade de São Paulo/ESALQ, Departamento de Entomologia, Fitopatologia e Zoologia Agrícola, 13418-900 Piracicaba, SP, Brazil. E-mail: chwflech@carpa.ciagri.usp.br*

### **Abstract**

Surveys on several naturally occurring plants in southeast Brazil led to the discovery of a new genus and seven new species of eriophyid mites. *Athrix* **n.g.** is described based on the type species *Athrix lissoscutum* **n.sp.** collected on *Heteropteris aceroides* Griseb; *Athrix brevitibia* **n.sp.** is described from *Heteropteris anoptera* Juss.; *Aculus bistichos* **n.sp.** is described from *Guapira opposita* (Vell.) Reitz.; *Cenaca exigua* **n.sp.** is described from *Chrysophyllum gonocarpum* (Mart. & Eichl.) Engl.; *Cosella macrothrix* **n.sp.** is described from *Ficus pumila* L.; *Diptilostatus lofegoi* **n.sp.** is described from *Myrcia guianensis* (Aubl.) DC; *Diptilostatus mesae* **n.sp.** is described from *Clidemia hirta* (L.) DC and *Catachela machaerii* Keifer is redescribed.

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

### **Introduction**

Within the BIOTA/FAPESP—The Biodiversity Virtual Institute Program ([www.biotasp.org.br](http://www.biotasp.org.br)) considerable efforts have been dedicated in the few last years to the knowledge of the mite fauna of plants in the State of São Paulo, in southern Brazil. The objective of this paper is to describe new taxa of eriophyid mites and supply a reappraisal of a previously described eriophyid species.

Measurements are given in micrometers and, unless otherwise specified, refer to the length of the structure. For females, each measurement of the holotype precedes the corresponding range for paratypes. Some measurements of the holotype could not be taken because of the position it was mounted. All type specimens are deposited in the collection of Departamento de Entomologia, Fitopatologia e Zoologia Agrícola, Universidade de São Paulo, ESALQ, Piracicaba, São Paulo, Brazil.