

## ***Mediostigmaeus* gen. n. (Acari: Stigmaeidae), with the description of a new species from the USA**

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### **Abstract**

A new genus, *Mediostigmaeus* is proposed for two species, *M. citri* (Rakha & McCoy, 1984) **comb. n.** and *M. floridanus* **sp. n.** The new genus is similar to *Mediolata* in having only one pair of subcapitular setae but can be easily distinguished by having the palptibial claw subequal to the palptarsus, and setae  $c_1$ ,  $d_1$ ,  $d_2$ ,  $e_1$ ,  $e_2$ , and  $f_1$  situated on individual platelets. The adult female of *M. floridanus* **sp. n.**, collected from domatia of *Vitis* sp., Lake Adair, Orlando, Florida, USA can be separated from those of *M. citri* by chaetotaxy of tarsi and pattern of hysterosomal shield.

**Key words:** Acari, Stigmaeidae, *Mediostigmaeus*, new genus, new species

### **Introduction**

Rakha & McCoy (1984) discovered a new species of stigmaeid mite from citrus trees in Florida, USA and included it in the genus *Eryngiopus*. They were not aware of a rare character, a single pair of subcapitular setae, which was previously known for stigmaeids only in the genus *Mediolata*. Herein we propose a new genus, *Mediostigmaeus* **gen. n.** based on *Mediostigmaeus citri* **comb. n.** and a new species, *M. floridanus*, described in this paper.

The terminology of palp and leg chaetotaxy follows that of Grandjean (1944, 1946) and the terminology of idiosomal chaetotaxy follows Kethley (1990). Measuring method follows Fan *et al.* (2003). All measurements are given in micrometers ( $\mu\text{m}$ ).