



## ***Elaphopsocoides*, a new genus of Psocidae (Psocodea: 'Psocoptera') from Valle del Cauca, Colombia**

CRISTIAN ROMÁN-P.<sup>1</sup>, ALFONSO N. GARCÍA ALDRETE<sup>2</sup> & RANULFO GONZÁLEZ OBANDO<sup>1</sup>

<sup>1</sup>Departamento de Biología, Facultad de Ciencias Naturales y Exactas, Universidad del Valle, Santiago de Cali, Colombia.  
E-mail: cristian.roman@correounivalle.edu.co; ranulfo.gonzalez@correounivalle.edu.co

<sup>2</sup>Departamento de Zoología, Instituto de Biología, Universidad Nacional Autónoma de México, Apartado Postal 70–153, 04510 México, D. F. MÉXICO. E-mail: anga@ib.unam.mx

### **Abstract**

Two new species of *Elaphopsocoides* n. gen. from Valle del Cauca, Colombia, are here described and illustrated. The new genus is related to *Elaphopsocus* Roesler, but differs from it mostly in the hypandrial projections and in phallosome structure. The female subgenital plate has a distinct, median, posterior projection. The types are deposited in the Entomology Museum, Universidad del Valle (MUSENUV), Santiago de Cali, Colombia.

**Key words:** Amphigerontiinae, taxonomy, neotropics

### **Introduction**

Based on two male specimens from Santa Catarina, Nova Teutonia, Brazil, Roesler (1940) erected the genus *Elaphopsocus* (Psocidae: Amphigerontiinae), the only genus in the family having a crossvein joining the areola postica with M in the forewing (Smithers 1990). Besides this distinguishing character, *Elaphopsocus* has simple terminalia, with hypandrium bearing no processes, apophyses or tubercular ornamentation (Smithers 1972). Specimens of two species, representing an undescribed genus related to *Elaphopsocus*, were recently found in Valle del Cauca, western Colombia. The purpose of this work is to describe and illustrate the two species and to define the new genus.

### **Material and methods**

Two males and one female were available for study. They were dissected in 70% ethanol, and the head, genitalia, and right wings and legs were mounted on slides in Canada balsam. Measurements (in  $\mu\text{m}$ ) were taken using an ocular micrometer mounted on a Nikon Eclipse microscope. Color was recorded by placing whole specimens, before dissection, under a microscope illuminated with cold white light, at 40X. The illustrations were made from photographs taken with a Canon T3i and Helicon Focus program and processed in a vector graphics editor CorelDraw X6.

Abbreviations for parts measured are as follows: FW, HW: lengths of right fore- and hind- wings, respectively; F, T, t1 and t2: lengths of femur, tibia and tarsomeres 1 and 2 of right hind leg respectively; ctt1: number of ctenidiobothria on t1; Mx4: length of fourth segment of right maxillary palpus; fl...fn: lengths of flagellomeres 1...n of right antenna; IO: minimum distance between compound eyes; D and d: antero-posterior diameter and transverse diameter, respectively, of right compound eye, all in dorsal view of head, PO: d/D; v1, v2 and v3: ventral, dorsal and external valves respectively. The types are deposited in the Entomological Museum of the Universidad del Valle, Santiago de Cali, Colombia (MUSENUV).

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