

**Taxonomy of *Stenomicroa cogani*,
with description of *S. gracilior* sp. nov. from Turkey
and comparative morphology of terminalia
in Stenomicroidae (Diptera)**

Jindřich ROHÁČEK

Slezské zemské muzeum, Tyršova 1, CZ-746 01 Opava, Czech Republic; e-mail: rohacek@szmo.cz

Abstract. The European *Stenomicroa cogani* Irwin, 1982 (Diptera: Stenomicroidae) is redescribed including the previously undescribed female, and the variability, biology (with first photographs of living specimens) and distribution of the species are discussed. *Stenomicroa gracilior* sp. nov., a closely allied and externally very similar species (also lacking dm-cu cross-vein), is described from southern Turkey. The morphology of the male and female terminalia is studied in detail in both these species and in *Podocera delicata* (Collin, 1944) and their structures are compared with those known in other genera of Stenomicroidae. Female internal genitalia (genital chamber and associated structures) are described for the first time in the family Stenomicroidae. Based on the analysis of the male and female genital characters, the relationships of the genera affiliated to Stenomicroidae (*Cyamops* Melander, 1913, *Stenocyamops* Papp, 2006, *Podocera* Czerny, 1929, *Stenomicroa* Coquillett, 1900 and *Planinasus* Cresson, 1914) are discussed and the validity of the genus *Podocera* Czerny, 1929 is corroborated. The first record of *Podocera soniae* (Merz & Roháček, 2005) from Sweden is given.

Key words. Diptera, Stenomicroidae, *Stenomicroa cogani*, *S. gracilior* sp. nov., taxonomy, morphology, male genitalia, female terminalia, biology, distribution, Turkey, Palaearctic Region

Introduction

The western Palaearctic species of Stenomicroidae (Diptera) have recently been reviewed by MERZ & ROHÁČEK (2005). This paper also includes a synopsis of the previous opinions regarding the systematic position and relationships of the genus *Stenomicroa* Coquillett, 1900 and, consequently, this information is not repeated here. The family Stenomicroidae (treated as