

A new species of *Myoleja* Rondani (Diptera: Tephritidae) from Turkey with a key to the known species of the genus

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Abstract

Myoleja korneyevi, n. sp., is described and illustrated. Type specimens were collected from low vegetation in the highlands of Trabzon province in Turkey. A few additional specimens from Russian Caucasus were also recognized conspecific. They can be distinguished from the other four known species of *Myoleja* by the characteristic wing pattern. Photographs of the specimens and detailed illustrations of the genitalic structures are provided. As well, there is a key to all five recognized species of *Myoleja*. The identities of *Spilograpta caucasica* Bigot, *Euleia contemnens* Hering and *Pseudospheniscus desparatus* Hering are discussed, and although these species have been recently placed in *Myoleja*, we consider they belong elsewhere.

Key words: Diptera, Tephritoidea, Tephritidae, Trypetini, *Myoleja korneyevi*, new species, Turkey

Introduction

The genus *Myoleja* Rondani has a confusing taxonomic history. Before the first author's Ph.D. study (Han, 1992), many distantly related species were treated under *Myoleja*, and its concept was extremely inconsistent among different authors. According to the concept of some recent authors (e.g., Hardy, 1973, 1974, 1987; White, 1988), over 100 species of the tribe Trypetini would belong in this taxon (Han, 1999).

Han (1992) provided a phylogenetic concept of the genus for the first time and substantially narrowed the generic limits including seven species. Han (1999) further refined the generic concept and recognized only four *Myoleja* species after removing the genus *Anastrephoides* Hendel from the suggested synonymy of *Myoleja* by Han (1992). He also provided a diagnosis of the genus and a generic key for the tribe Trypetini. More