



Two new species of the genus *Luzonomyza* from CHINA (Diptera, Lauxaniidae)

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Abstract

Two species *Luzonomyza gaimarii* **sp. nov.** and *Luzonomyza hirsuta* **sp. nov.** are described as new to science. A key to separate species of the genus is provided.

Key words: Diptera, Lauxaniidae, *Luzonomyza*, new species, China

Introduction

The genus *Luzonomyza* Malloch, 1929 (Lauxaniidae: Lauxaniinae: Trigonometopini) is a small genus with seven previously known species (see Appendix for list of species), distributed in the Oriental Region (Papp, 2007). One of these species, *Luzonomyza sinica* Shatalkin, 1998, is known from China. This genus is characterized by the following features: head triangular in lateral view; frons projecting upwards, with brown stripes and short setulae on anterior half; ocellar setae very short; frons-face angle acute; face long and sloping, with a row of short setulae on ventral half of parafacial inner margin, only a few of species with distinct facial keel between base of antennae; gena with a row of long setae extending from median section up to parafacial, but not in the same line as short setulae on the ventral half of parafacial inner margin; mesonotum with wide brown stripes, and with three post-sutural dorsocentral setae; wing hyaline with pale or dark brown on upper half, crossveins r-m and dm-cu with brown spots; abdomen yellow, with brown or black posterior margin or spots.

Here two species *Luzonomyza gaimarii* **sp. nov.** and *Luzonomyza hirsuta* **sp. nov.** are described as new to science. A key to known species of the genus *Luzonomyza* is provided.

Material and methods

The general terminology follows Cumming & Wood (2009). Genitalia preparations were made by macerating the apical portion of the abdomen in the warm lactic acid for half an hour. After examination, the genitalia was transferred to glycerin and stored in a microvial pinned below the specimen. Specimens examined were deposited in the Entomological Museum of China Agricultural University, Beijing, China (CAUC).

Taxonomy

A key to the known species of the genus *Luzonomyza* Malloch

[Modified from Papp, 2007]

1. Whole tarsi yellow *L. vietnamensis* Papp