

## A key to known species of *Matsumyia* Shiraki (Diptera, Syrphidae) from China, with descriptions of two new species

KEKE HUO<sup>1,2</sup> & GUODONG REN<sup>1</sup>

<sup>1</sup>College of Life Sciences, Hebei University, Baoding, 071002, Hebei, China.

<sup>2</sup>Bio-resources Key Laboratory of Shaanxi Province, Shaanxi University of Technology, Hanzhong, 723000, Shaanxi, China

### Abstract

*Matsumyia zibaiensis* sp. nov. and *Matsumyia bimaculata* sp. nov. are described from Mt. Qinling-Basha, China, and a key to known species of *Matsumyia* Shiraki from China is compiled.

**Key words:** Diptera, Syrphidae, *Matsumyia*, new species, China

### Introduction

The genus *Matsumyia* was erected in 1949 by Shiraki and *Priomerus jesoensis* Matsumura was designated as type species. It was considered as one of the intermediate forms between *Cynorrhina* Williston (= *Blera* Billberg) and *Penthesilea* Meigen (= *Criorhina* Meigen). It differed from the former with frons haired and dusted, scutum covered with dense and erect pubescence, the hind femora of male conspicuously thickened, and from the latter with eyes of male continuous shortly and the abdomen covered with fine adpressed pubescence (Shiraki, 1949). Violovitsh (1955) redescribed generic characters of *Matsumyia* in detail and recorded its distributions in Sakhalin, Kunashir, Far East of Russia. Shiraki (1968) added another species to the genus, *Matsumyia ferdinandi* (Hervé-Bazin, 1914), and treated the genus in the subfamily Xylotinae. Others arranged the genus in the subfamily Milesiinae, tribe Milesiini (Peck 1988, Mutin & Barkolov 1999). Another distribution record of this genus was Korea (Kim, & Kim, 1972). So far, three species of the genus *Matsumyia* have been recorded from Japan, Korea and Far East of Russia.

The genus *Matsumyia* was recorded from Mt. Qinling-Bashan for the first time when a systematic investigation on Syrphidae was made. In this paper, two new species of *Matsumyia* are described, list of and a key to the known species are compiled. The type