

A new species, new postabdominal descriptions and a new synonymy in *Euphranta* Loew (Diptera: Tephritidae: Trypetinae: Adramini)

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Abstract

A new species of *Euphranta*, *E. flavothoracica* David, Hancock & Sachin, **sp. n.** is described from India and placed in the *zeylanica* group of species. Postabdominal structures of *E. cassiae* (Munro), *E. crux* (Fabricius) and *E. klugii* (Wiedemann) are described. A revised key to the 16 species of *Euphranta* known from India is provided. A new generic and specific synonymy is established: *Euphranta* Loew, 1862 = *Ichneumonomacula* Chen, 2020, **syn. n.** and *Dacus figuratus* Walker, 1856 (= *Euphranta figurata* (Walker, 1856)) = *Ichneumonomacula wangyongi* Chen, 2020, **syn. n.**

Key words: Adramini, Tamil Nadu, Dharmapuri, *Euphranta laosica*

Introduction

Euphranta Loew is one of the most diverse genera in tribe Adramini of subfamily Trypetinae, with 111 described species distributed across Oriental, Palaearctic, Nearctic and Australasian Regions (Norrbon *et al.*, 1999; Hancock and Drew, 2004; David *et al.*, 2013; David and Singh, 2015; Hancock and Whitmore, 2015; David *et al.*, 2020). They are slender-bodied flies with reduced chaetotaxy, short aculeus, surstylus longer than epandrium, elongate oviscapae and fine hairs on the anatergite. Most of the species are monophagous and frugivorous but a few feeds in seeds, stems or galls of other insects (Hancock and Drew, 2004). Fifteen species of *Euphranta* have been recorded from India (Agarwal and Sueyoshi, 2005; David and Ramani, 2011; David *et al.*, 2013, 2020; David and Singh, 2015). In this paper, a previously undescribed species of *Euphranta* was collected at light from Tamil Nadu and described. In addition, postabdominal structures are described and illustrated for the three most commonly encountered species in India. A revised key to the 16 *Euphranta* species now known from India is provided. A recently described genus and species of Adramini from Borneo (Chen *et al.* 2020) was found to need taxonomic clarification.

Material and methods

Specimens deposited in the following museum have been examined for the study:

NIM National Insect Museum, ICAR-National Bureau of Agricultural Insect Resources, Bangalore, India

Collections were done by sweep netting and also at light. Images of the specimens were acquired using a Leica DFC 420 camera mounted on a Leica MS8APO stereozoom microscope; images of genitalia were acquired using 8 MP camera temporarily attached to Leica DM 1000 compound research microscope; the images were stacked and combined to a single image using Combine ZP (Hadley, 2011). Measurements of male and female genitalia were