



Research Article

First record of the genus *Callocleonymus* Masi (Hymenoptera: Chalcidoidea: Pteromalidae: Cleonyminae) from India

ANKITA GUPTA*, A. RAMESHKUMAR and V. NAVEEN

ICAR-National Bureau of Agricultural Insect Resources, Post Bag No. 2491, H. A. Farm Post, Bellary Road, Hebbal, Bangalore 560 024, Karnataka, India

*Corresponding author E-mail: drankitagupta7@gmail.com

ABSTRACT: The genus *Callocleonymus* Masi is recorded for the first time from India. This discovery extends the distribution of the genus to India, previously recorded from other parts of the Old World and southern United States in the New World.

KEY WORDS: Pteromalidae, *Callocleonymus*, first record, India

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INTRODUCTION

The genus *Callocleonymus* was established by Masi in 1940 with the type species *Callocleonymus pulcher*. The species of the genus *Callocleonymus* are parasitic on wood-boring beetle larvae of family Buprestidae, Scolytidae (Yang, 1996), and Curculionidae (Bouček, 1988). The genus is distributed in Africa, Australia, southern Asia from the Caucasus through Afghanistan and China to New Guinea (Bouček, 1988), also in southern United States of America which is suspected a natural rather than accidental introduction to the New world (Gibson, 2003).

The genus is represented by eight species around the world- *Callocleonymus beijingensis* Yang; *C. bimaculatae* Yang; *C. chuxiongensis* Yang; *C. ferrierei* Kerrich; *C. ianthinus* Yang; *C. pulcher* Masi; *C. swezeyi* (Yoshimoto & Ishii) and *C. xinjiangensis* Yang. Gibson (2003) mentioned unknown number of undescribed species from the Old World. Herein, the first record from India is illustrated.

MATERIALS AND METHODS

The specimen examined for the study was collected from Bangalore, India and deposited with National Bureau of Agricultural Insect Resources, Bangalore, India

(NBAIR). Photographs were taken using Leica M205 A stereozoom microscope attached with a Leica DC420 camera and syncroscope automontage (version 3.8).

Genus *Callocleonymus* Masi, 1940

Callocleonymus Masi, 1940: 291-294. Type species: *Callocleonymus pulcher* Masi; by original designation.

Brief diagnosis

Body with bright metallic luster (Fig. 1A). In female-antenna 13 segmented; formula 11173; inserted slightly below level of lower margin of eyes; with spine like, narrow preclaval process and a similar one on the clava (projecting subapically on opposite side from preclaval process, hidden in collapsed area) (Fig. 1B). Dense and deep reticulation on mesoscutum and scutellum, and axillae shiny. Fore wing distinctly infumated in the middle (behind marginal and stigmal vein); basally bare, speculum usually absent; costal cell narrow (Fig. 1C). Postmarginal vein much shorter than marginal vein and only slightly longer than stigmal vein. Mesepimeron entirely bare posteriorly; metapleuron bare and with very distinct, meshlike sculpture defined by impressed lines. Metasoma petiolate; petiole transverse and pale yellow in colour.



Fig. 1. A, Female of *Callocleonymus* Masi; B, Antenna; C, Wings

Material examined

One female, INDIA: Karnataka: Bangalore, yellow pan trap, coll. A. Rameshkumar, NBAIR/Ptero/Callo/3914.

REMARKS

This species does not match with any of the earlier known species but is not formally described in this paper being singleton. In anticipation of any variation in this species the formal description is kept in abeyance until good series of specimens are examined to determine variation.

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