



## The genus *Acropimpla* Townes (Hymenoptera: Ichneumonidae: Pimplinae) in Vietnam, with descriptions of three new species

NHI THI PHAM<sup>1,3,4</sup>, GAVIN R. BROAD<sup>2</sup> & WOLFGANG J. WÄGELE<sup>3</sup>

<sup>1</sup>Institute of Ecology and Biological Resources, 18 Hoang Quoc Viet, Hanoi, Vietnam. E-mail: ptnhi2@yahoo.com

<sup>2</sup>Department of Entomology, the Natural History Museum, Cromwell Road, London SW7 5BD, UK. E-mail: g.broad@nhm.ac.uk

<sup>3</sup>Zoological Research Museum Alexander Koenig, Adenauerallee 160, D-53113 Bonn, Germany

<sup>4</sup>Corresponding author

### Abstract

Six species of *Acropimpla* Townes, 1960 are recorded from Vietnam, of which three species are described as new: *A. lampei* **sp. nov.** from Ea So, Dak Lak Province, Central Highlands of Vietnam, *A. mucronis* **sp. nov.** from Cat Tien, Dong Nai Province, South Vietnam, and *A. phongdienensis* **sp. nov.** from Phong Dien, Thua Thuen-Hue Province, Central Vietnam. Two species, *A. hapaliae* (Rao, 1953) and *A. taishunensis* Liu, He & Chen, 2010 are recorded from Vietnam for the first time.

**Key words:** Ephialtini, taxonomy, new record

### Introduction

Although *Acropimpla* Townes, 1960 is considered a moderately large genus of the tribe Ephialtini (Pimplinae), with 39 currently recognised species (Yu & Horstmann 1997; Yu *et al.* 2005; Liu *et al.* 2010), the fauna in the Oriental region is poorly known. The *Acropimpla* fauna of China is the most diverse with a total of 15 species (He *et al.* 1996; Liu *et al.* 2010). In Vietnam, only one species, *A. leucostoma* (Cameron 1907), has been reported (Gupta & Tikar 1976). Based on recent collections of Ichneumonidae from Vietnam, we provide the first synopsis of the *Acropimpla* species of this country, with descriptions of three new species and records of two further species new to Vietnam.

### Material and methods

Specimens were collected by hand net and Malaise trap from 2000 to 2009. Specimens referred to in this paper are deposited in the collections of the Institute of Ecology and Biological Resources, Hanoi, Vietnam (IEBR); National Museum of Natural History, Leiden, Netherlands (RMNH); Zoological Research Museum Alexander Koenig, Bonn, Germany (ZFMK); Natural History Museum, London, United Kingdom (BMNH); Forest Entomology Branch, Forest Research Institute, New Forest P.O., Dehra Dun, India (DEHRA DUN); Parasitic Hymenoptera Collection of Institute of Insect Sciences, Zhejiang University, China (ZJUH). The morphological terminology follows Gauld (1991). Photographs were taken with a Nikon Digital Camera DXM 1200 via a stereomicroscope with light-box. Other abbreviations are: NP: National Park, NR: Nature Reserve, a.s.l.: above sea level.