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First record of the genus *Dolichomitus* Smith (Hymenoptera: Ichneumonidae: Pimplinae) from Vietnam, with description of one new species

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Abstract

The genus *Dolichomitus* Smith, 1877 is recorded from Vietnam for the first time with description of a new species, *D. lami* sp. nov., from Hoang Lien National Park, Lao Cai Province. Besides, *D. melanomerus* (Vollenhoven) is recorded as new for the country from specimens collected in Tam Dao National Park, Vinh Phuc Province and Hang Kia-Pa Co Nature Reserve, Hoa Binh Province.

Key words: Ephialtini, taxonomy

Introduction

Dolichomitus Smith, 1877 is a relatively large genus of the tribe Ephialtini (Pimplinae), with 72 described species from around the world, except the Ethiopian and Australian regions. Species richness is highest in the Palearctic with a total of 37 described species, followed by the Nearctic (22 species), the Orient (15 species) and the Neotropics (11 species) (Wang *et al.* 1997; Yu *et al.* 2005; Sheng & Sun 2009; Zwakhals 2010). Species of *Dolichomitus* often have impressed oblique grooves on the second tergite, however these grooves are rather weak in some species and the most useful diagnostic character of *Dolichomitus*, recognised by many authors, is the apical, dorsally extending lobe on the lower valve of the ovipositor. The number and shape of grooves on this dorsal lobe is a key character in identification of females (Townes & Townes 1960; Townes 1969; Gupta & Tikar 1976; Fitton *et al.* 1988; Sheng & Sun 2009; Zwakhals 2010). Townes & Townes (1960) identified the heterogeneous nature of this genus, a conclusion supported by the morphological phylogenetic analysis of Gauld *et al.* (2002). However, phylogenetic analyses have not included enough species to enable a reappraisal of the generic limits.

Where known, *Dolichomitus* species are ectoparasitoids of xylophagous Coleoptera larvae (Buprestidae, Cerambycidae, Curculionidae—including scolytines—and Melandryidae) (Townes & Townes 1960; Aubert 1965; Fitton *et al.* 1988).

In Vietnam, the genus *Dolichomitus* has not been documented until now. Based on recent collections of Vietnamese ichneumonids, we record this genus for the first time and describe one new species.

Material and methods

Specimens were collected by hand net and Malaise trap from 2002 to 2009. Materials referred to in this paper are deposited in the collections of the Natural History Museum (BMNH), London, UK; the Institute of Ecology and Biological Resources (IEBR), Hanoi, Vietnam; and the Netherlands Centre for Biodiversity Naturalis (RMNH),