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Revision of the genus *Xanthopimpla* Saussure (Hymenoptera: Ichneumonidae: Pimplinae) in Vietnam, with descriptions of fourteen new species

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Abstract

The Vietnamese species of the large, tropical genus *Xanthopimpla* Saussure, 1892 are revised for the first time. Of a total fauna of 60 species, 14 species are described as new: *X. amplamaculosa* sp. nov., *X. boehmei* sp. nov., *X. chiuuae* sp. nov., *X. flavafemora* sp. nov., *X. flavapropodea* sp. nov., *X. hienae* sp. nov., *X. morsei* sp. nov., *X. omega* sp. nov., *X. oriole* sp. nov., *X. panthera* sp. nov., *X. porrecta* sp. nov., *X. punctatissima* sp. nov., and *X. spicula* sp. nov. Seventeen species are newly recorded from Vietnam: *X. annulata* Cushman, *X. atriclunis* Townes & Chiu, *X. brachycentra* Krieger, *X. brevicarina* Wang, *X. connexa* Krieger, *X. curvimaculata* (Cameron), *X. fastigiata* Krieger, *X. glaberrima* Roman, *X. jacobsoni* Krieger, *X. melanacantha* Krieger, *X. nigratarsis* Cameron, *X. platyura* Townes & Chiu, *X. pleuroschista* Townes & Chiu, *X. pulvinaris* Townes & Chiu, *X. sexlineata* Cameron, *X. stricta* Townes & Chiu, and *X. transmaculata* Wang & Huang. The following synonymies are proposed: *Xanthopimpla clivulus* Townes & Chiu, 1970 = *Xanthopimpla clivulus indica* Townes & Chiu, 1970, **syn. nov.**, = *X. clivulus indicata* Gupta, 1987, **syn. nov.**; *Xanthopimpla curvimaculata* (Cameron, 1899) = *X. curvimaculata pendleburyi* Townes & Chiu, 1970, **syn. nov.**; *Xanthopimpla despinosa despinosa* Krieger, 1915 = *X. despinosa leipepheles* Townes & Chiu, 1970, **syn. nov.** = *X. despinosa subquadrata*, **syn. nov.**; *Xanthopimpla elegans elegans* (Vollenhoven, 1879) = *X. elegans apicipennis* (Cameron), **syn. nov.**; *Xanthopimpla melanacantha melanacantha* Krieger, 1914 = *X. melanacantha oblongata* Chao, 1997, **syn. nov.**, = *X. melanacantha subtriangulata* Chao, 1997, **syn. nov.**; *Xanthopimpla nana nana* Schulz, 1906 = *X. nana aequabilis* Townes & Chiu, 1970, **syn. nov.** = *X. nana bravisulcus* Wang, 1987, **syn. nov.** A key to the Vietnamese *Xanthopimpla* is provided.

Key words: taxonomy, new species, new records, oriental fauna

Introduction

Xanthopimpla Saussure, 1892 is the largest tropicopolitan genus of the subfamily Pimplinae (Ichneumonidae), with a total of 247 recognized species (Yu *et al.* 2005; Izfa & Idris 2006; Khalaim 2008; Gómez *et al.* 2009). Most species of *Xanthopimpla* occur in the Indo-Australian region and 135 species are known from the Oriental region; species richness is much lower in Africa and the Neotropics (Townes & Chiu, 1970; Yu *et al.* 2005; Izfa & Idris 2006; Gómez *et al.* 2009). Species of *Xanthopimpla* are easily recognized by their stout, predominantly lemon-yellow