



## Aphid parasitoids (Hymenoptera, Braconidae, Aphidiinae) from Thailand

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### Abstract

Original information on aphidiine braconids from Thailand is presented. Collections of specimens from 2006 through 2008 using Malaise traps and yellow pan traps yielded 7 new species records for the country, i.e., *Binodoxys indicus* Subba Rao et Sharma, *Bioxys japonicus* Starý et Schlinger, *Diaeretus leucopterus* (Haliday), *Ephedrus lacertosus* (Haliday), *Fissicaudus thailandicus* Starý et Rakhshani, *Indaphidius curvicaudatus* Starý and *Parabioxys songbaiensis* Shi et Chen. The new records demonstrate faunal connections with India, Vietnam, the eastern Palaearctic, and more interestingly disjunct connections with the western Palaearctic, i.e. *Ephedrus lacertosus* (Haliday), *Diaeretus leucopterus* (Haliday), *Lipolexis gracilis* Förster, and afrotropical regions, i.e. *Aphidius autriquei* Starý. In all, 11 species belonging to 10 genera are presented.

**Key words:** aphids, parasitoids, biodiversity, national parks, Thailand

### Introduction

Current knowledge of the aphidiine fauna of Thailand is limited. A first attempt was made by Starý *et al.* (2008) in which a new species, *Areopraon thailandicum* Starý was described; and other species were recorded for the first time, i.e. *Aphidius autriquei* Starý, *Archaphidus greenideae* Starý et Schlinger, *Lipolexis gracilis* Förster, *Lipolexis oregmae* (Gahan), *Toxares shigai* Takada. One species identification was tentative, and several specimens were identified only to the generic level. More recently (Starý *et al.* 2010) a new species, *Fissicaudus thailandicus* Starý et Rakhshani, was described. With the aim of facilitating taxonomic research on aphidiine parasitoids of south east Asia in general and Thailand in particular, the present contribution incorporates new information derived from a three-year Thailand inventory project (<http://sharkeylab.org/tiger/>) in which terrestrial arthropods were sampled using Malaise traps and yellow pan traps. National parks were chosen as sampling sites since they are most likely to preserve indigenous fauna (Ervin 2003, Starý *et al.* 2008).

### Material and methods

Specimens were collected from 2006 through 2008 using Malaise traps and yellow pan traps. Every year of