A taxonomic revision of the Oriental species of *Thaumatodryinus* Perkins, with descriptions of two new species from P. R. China (Hymenoptera: Dryinidae)

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### Abstract

The Oriental species of *Thaumatodryinus* Perkins are revised. Two new species, *Thaumatodryinus zhejiangensis* and *hainanensis*, are described from the People’s Republic of China, respectively from Zhejiang Province, Qingliangfeng, and Hainan Province, Jianfengling. A new key to the Oriental *Thaumatodryinus* is presented.

**Key words:** *Thaumatodryinus zhejiangensis*, *Thaumatodryinus hainanensis*, taxonomy, Oriental *Thaumatodryinus*, key

### Introduction

*Thaumatodryinus* Perkins (Hymenoptera: Dryinidae) is a genus present in all zoogeographic regions, except Palaeartic realm. Brues (1923, 1933) described three fossil species of *Thaumatodryinus* from Baltic amber; however, they are now attributed to *Harpactosphecion* Haupt (Olmi & Bechly 2001). The following eight species are known in the Oriental region (He & Xu 2002; Olmi 1984, 1987, 1991, 1992, 1993; Xu & He 1998; Xu *et al.* 2001): *alienus* Olmi, 1987; *asiaticus* Olmi, 1984; *beckeri* Olmi, 1991; *malayanus* Olmi, 1984; *moganensis* Xu, He & Olmi, 2001; *noyesi* Olmi, 1992; *pasohensis* Olmi, 1991; *philippinus* Olmi, 1984.

*Thaumatodryinus* species are parasitoids of Flatidae (Hemiptera: Auchenorrhyncha)(Guglielmino & Olmi 1997). However, in the Oriental region no hosts are known.

The Oriental species of *Thaumatodryinus* are insufficiently known from a taxonomic and biological point of view. As the male is completely different from the female and there are very few researchers rearing dryinids, the main gap regards the knowledge of the opposite sexes; in fact, in the Oriental region, five species are known only after the female, whereas both sexes are known only in three species.

In 2005 and 2006 we examined specimens of *Thaumatodryinus* from P. R. China and found the two new species described herein. These records gave the opportunity to revise the entire group of Oriental species, as follows.

### Material and methods

The descriptions follow the terminology used by Olmi (1984, 1994, 1999) and partly revised after Gauld & Bolton (1988). The measurements reported are relative, except for the total length (head to abdominal tip, without the antennae), which is expressed in millimetres.

In the descriptions POL is the distance between the inner edges of the two lateral ocelli; OL is the distance between the inner edges of a lateral ocellus and the median ocellus; OOL is the distance from the outer edge