

**A NEW SPECIES OF THE GENUS *ODONTEPYRIS*  
KIEFFER, 1904 FROM CHINA  
(HYMENOPTERA: BETHYLIDAE)**

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**Abstract** A new species of the bethylid genus *Odontepyrus* Kieffer is described and a key to the known Chinese species of *Odontepyrus* is presented in this paper. The type specimen is deposited in Zhejiang University.

**Key words** Hymenoptera, Bethylidae, *Odontepyrus*, new species.

The bethylid wasp genus *Odontepyrus* Kieffer, 1904 belongs to the subfamily Bethylinae. This genus is characterized in the subfamily as follows: 1) antennae with 13 segments; 2) PF = 5,3; 3) notauli absent; 4) mesopleura moderately to strongly expanded; 5) propodeal disc with a median longitudinal carina; 6) propodeal disc with a transverse carina at posterior end; 7) forewing with costal, median, submedian, and discoidal cells (discoidal cell absent in a few species); 8) marginal cell open apically; 9) rs-vein longer than m-vein (Terayama, 1997).

All host records of *Odontepyrus* species are of lepidopterous larvae, including Pyralidae, Noctuidae (Kurian, 1954, 1955; Krombein, 1996).

Twenty five species of the genus *Odontepyrus* Kieffer have been recorded in the world up to now: 3 species from the Palaearctic Region, 3 species from the Ethiopian region, 4 species from the Australian region, and 15 species from the Oriental region (Krombein, 1996, Polaszek and Krombein, 1994; Terayama, 1995, 1997, 1999). Three species of *Odontepyrus* Kieffer have been known from Taiwan (Terayama, 1997).

In this paper, we described one new species from Fujian Province. A key to the Chinese species of the genus *Odontepyrus* Kieffer is proposed.

**Key to the Chinese species of *Odontepyrus* Kieffer**

- |   |   |                                 |
|---|---|---------------------------------|
| 1 | Fore wing without discoidal cell .....              | 2                               |
|   | Fore wing with a discoidal cell .....               | 3                               |
| 2 | Head with almost straight posterior margin .....    | <i>O. liukueiensis</i> Terayama |
|   | Head with distinctly concave posterior margin ..... | <i>O. fujianus</i> sp. nov.     |
| 3 | Head with distinctly concave posterior margin ..... | <i>O. taiwanus</i> Terayama     |
|   | Head with almost straight posterior margin .....    | <i>O. formosicola</i> Terayama  |

***Odontepyrus fujianus* sp. nov.** (Fig. 1)

Female: fully winged; HL = 0.98 mm; HW = 1.24 mm; FW = 0.73 mm; LM = 1.71 mm; LPD = 0.56 mm; WPD = 0.88 mm; FWL = 3.07 mm; TL = 6.0 mm.

Body black; mandibles black, with teeth brown-reddish; antennae testaceous; tegulae brown-reddish; legs brown-reddish, with coxae, trochanters and tarsi testaceous; wings brownish; wing veins brown and pterostigma dark brown.

Head wider than long, with distinctly concave posterior margin; head wider than maximum width of mesosoma; frons and vertex microreticulate, with shallow sparse punctures; mandible with 4 teeth; clypeus strongly projecting anteriorly; antennal segments in following proportions: 11.0:5.0:6.0:5.0:5.0:5.0:5.0:4.5:4.5:4.5:4.0:4.5; scape 2.2 times as long as wide; 2nd segment 1.7 times as long as wide; 3rd segment 2.0 times as long as wide; eyes 0.56 mm long; WF 1.39 times EL; ocelli forming an acute triangle; OOL 1.88 times WOT.

Pronotum 0.68 mm in maximum width, with rounded anterolateral corners in dorsal view; disc microreticulate, with shallow sparse punctures; mesonotum microreticulate, with shallow sparse punctures; scutellar pits round, separated by 3.2 times of their own diameter; propodeal disc 0.64 time as long as wide, with a strong median carina; median area depressed and reticulate; sublateral areas with transverse rugae; declivity microreticulate.

Forewings without discoidal cell.

Metasomal tergites smooth and shining; 2nd to 6th sterna with anterior halves weakly microreticulate.

Male. Unknown.

Remarks. This species resembles *O. ventralis* Krombein, 1996 from Sri Lanka, *O. liukueiensis* Terayama, 1997 from Taiwan of China and *O. marishi* Terayama, 1999 from Japan in the absence of discoidal cell of fore wing. However, it differs from *O. ventralis* in the head with punctures, from *O. liukueiensis* in the characters mentioned in the key, and from *O. marishi* in the head with more concave posterior margin and the shorter antennal segment 3.

Material examined. Holotype ♀, Apr. 1987, Zhangzhou (24.31°N, 117.39°E), Fujian, by LIN Nai-Quan, No. 984826.

Biology. Unknown.

Distribution. China (Fujian).

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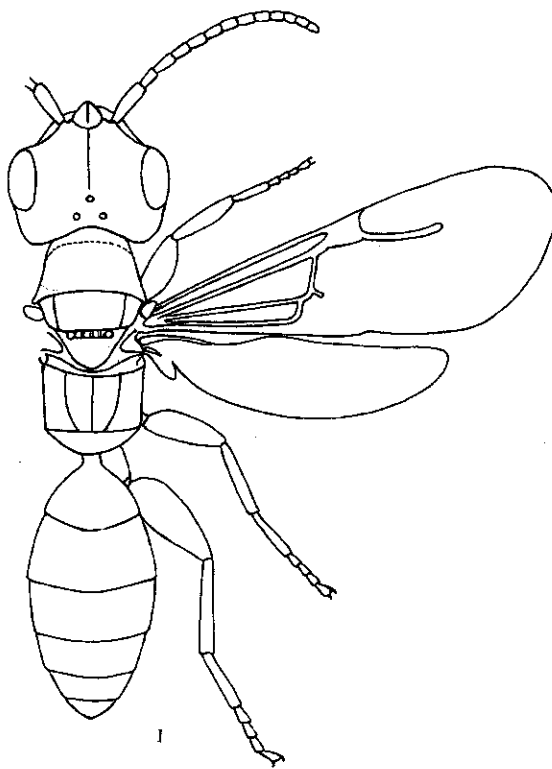


Fig. 1 *Odontepyrus fujianus* sp. nov. ♀

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## 中国齿肿腿蜂属一新种记述

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### 摘要

记述了采自我国福建省漳州市的齿肿腿蜂属 *Odontepyris* Kieffer, 1904 一新种:福建齿肿腿蜂 *O. fujianus* sp. nov., 并编制了中国齿肿腿蜂属分种检索表。

在目前已知的齿肿腿蜂属 26 种中,有 4 种前翅无盘室,包括:*Odontepyris ventralis* Krombein, 1996(斯里兰卡)、六龟齿肿腿蜂 *O. liukueiensis* Terayama, 1997(中国台湾)、*O. marishi* Terayama, 1999(日本)和福建齿肿腿蜂 *O. fujianus* sp. nov.。但是,福建齿肿腿蜂与 *O. ventralis* 的区别为前者头部有刻点,与 *O. liukueiensis* 的区别为前者头部后缘明显凹入,与 *O. marishi* 的区别为前者头部后缘明显凹入和触角第 3 节较短。

正模♀,福建漳州,1987-04,林乃铨采,编号 984826。模式标本保存于浙江大学植物保护系寄生蜂标本室。

关键词 膜翅目,肿腿蜂科,齿肿腿蜂属,新种.

中图分类号 Q969.54