

## ONE NEW SPECIES OF OXYCERA FROM GUIZHOU, CHINA (DIPTERA, STRATIOMYIDAE)

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**Abstract** The purpose of this paper is to describe one new species *Oxycera aiae* sp. nov., of the genus *Oxycera*, located in Guizhou, China and discuss its relationship with relative species. The type specimens were deposited in the Entomological Museum of China Agricultural University, Beijing (CAU).

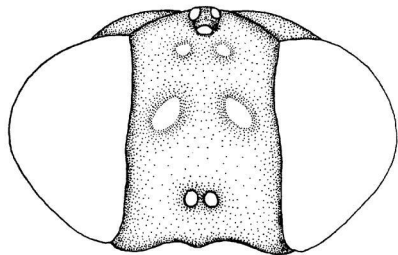
**Key words** Diptera, Stratiomyidae, *Oxycera*, new species

The genus *Oxycera* Meigen is characterized by the following features: female head with distinct postocular rim; antennal scape and pedicel subequal in length; flagellomeres 1-4 spindle-shaped and 5-6 forming a dorso-distal arista; scutellum with two spines (Yang and Nagatomi 1993). It is distributed in the Nearctic, Palearctic, Oriental and Afrotropical Regions and there are currently 83 known species. The Palearctic and Oriental species were predominantly studied by Brunetti (1920, 1923), Lindner (1936-1938), Nagatomi *et al.* (2001),

Rozkošný (1983) and Yang and Nagatomi (1993). The Chinese species were revised by Yang and Nagatomi (1993), with 13 known species described. This paper adds one new species to the fauna of China. The types were deposited in the Entomological Museum of China Agricultural University, Beijing (CAU).

*Oxycera aiae* sp. nov. (Figs 1-2)

Female. Body length 6.4-6.6 mm, wing length 6.1-6.3 mm.



1



Figs. 1-2 *Oxycera aiae* sp. nov., female. 1. Head, frontal view. 2. Wing

Head shiny black except frons with two pairs of yellow spots; upper pair small and close to median ocellus and lower pair slightly large and somewhat elongated. Hairs on head pale; eyes with short sparse hairs white and brown. Lower frons and face with one pair of white pollinose stripes along eye margin; postocular rim also with one white pollinose lateral stripe on middle and lower portions. Head 1.25 times higher than long; eye width 1.0 times distance between antenna and median ocellus; 1.05 times frons width just above antenna and 1.0 times face width at lowest point from a direct frontal view; frons width

just above antenna 1.05 times that at median ocellus; distance from ridge below proboscis to antenna 1.1 times that from antenna to median ocellus. Antenna brownish yellow; relative lengths of antennal scape, pedicel and flagellum (minus arista) 0.70: 0.80: 1.95; relative width 0.8: 1.0: 1.2; arista (= flagellomeres 5-6) (with terminal hair) 1.9 times as long as rest of flagellum. Proboscis dark brown with some pale hairs; palpus dark brown with some pale hairs.

Thorax shiny black. Humeri and postalar calli black. Scutellum black with posterior margin and spines dark yellow; spines obliquely directed upward.

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Mesopleuron with postero-upper corner yellow. Hairs on thorax pale except scutellum with chiefly dark brown hairs. Legs black except knees dark yellow; extreme tips of mid and hind tibiae dark yellow; mid and hind tarsomeres 1-3 yellowish white. Hairs on legs pale. Wing hyaline except cell  $R_1$  dark brown and apical portion uniformly smoky grayish; veins dark brown. Halter stem brown, knob green yellow.

Abdomen entirely subshiny black. Hairs on abdomen pale, but those on dorsum mostly dark brown and partly pale.

Male Unknown

Holotype ♀, paratype 1 ♀, Guizhou, Mayanghe, Huangtuxiang 920 m, 28 Sep. 2007, CUIYU-SI

**Etymology** The species is named after the collector Ms. CUIYU-SI

**Remarks** This new species is similar to *O. apialis* (Kertész) from Taiwan, but it may be separated from the latter by the wing only with one large smoky brown spot occupying the entire apex, femora black with the dark yellow apex and abdomen entirely

black. In *O. apialis*, the wing has one large smoky brown spot near the apex and another smaller smoky brown spot extending through the discal and second basal cells; the femora have a yellow base and apex, and the abdominal tergite five has a yellow posterior margin (Yang and Nagatomi 1993).

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## 贵州盾刺水虻属一新种 (双翅目, 水虻科)

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**摘要** 记述我国贵州盾刺水虻属 1 新种, 即崔氏盾刺水虻 *Oxyera cuiiae* sp. nov.。模式标本保存在中国农业大学昆虫博物馆。

崔氏盾刺水虻, 新种 *Oxyera cuiiae* sp. nov. (图 1~2)

新种与分布台湾的顶盾刺水虻 *O. apialis* (Kertész) 近

**关键词** 双翅目, 水虻科, 盾刺水虻属, 新种.

中图分类号 Q969.447.5

似, 但翅端部一致烟灰色, 足腿节黑色且末端暗黄色, 腹部全黑色。

正模 ♀, 副模 1♀, 贵州麻阳河黄土乡 920 m, 2007-09-28, 崔育思。

词源: 新种以采集者崔育思姓氏命名。

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