

## 西藏毛蚜蝇雄性记述

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**摘要:** 本文记述了西藏毛蚜蝇 *Dasysyrphus xizangensis* Pan, Wang et Huo, 2010 雄性特征。雄性体色及身体大小类似雌性, 但雌性离眼, 雄性合眼。该种模式标本保存于陕西理工大学动植物标本馆。

**关键词:** 食蚜蝇科; 西藏毛蚜蝇; 雄性; 新描述

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### Description of Male *Dasysyrphus xizangensis* Pan, Wang et Huo, 2010

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**Abstract:** *Dasysyrphus xizangensis* was described by Pan *et al.* in 2010 from Xizang Autonomous Region with the male unknown. The specimens of male and female were collected from Shanxi province in 2015. This paper supplemented the descriptions and illustrations of the male. The examined specimens were deposited at Shaanxi Sci-Tech University, Hanzhong city, Shaanxi province, China. The appearance *D. xizangensis* Pan, Wang et Huo, 2010 was similar to *Dasysyrphus postclaviger* (Štys et Moucha, 1962), however, the former had dark-brown stigma and yellow hind tarsi, while the latter had yellow stigma and black hind tarsi. The eyes of *D. xizangensis* were covered with densely yellowish brown hairs. Face yellow with black median stripe not extending to base of antennae. Mesonotum was covered with yellow long pile, shining black with dark gray median stripe extending posteriorly almost to the end of mesonotum. Scutellum yellow, mostly black pilose. Legs were brownish yellow, but dark black on all of coxae, trochanters and basal portions of femora. Wing stigma was blackish brown. Abdomen shining black, 3 pairs of yellow spots on abdomen were not extended to margins. The first pair of spots were obliquely located in the middle of tergite 2, with inner ends nearly approaching anterior margin of the tergite. The second and third pairs of spots were located in basal half of tergites and with expanded outer ends triangularly. Tergites 4 and 5 were narrowly yellow on posterior margins. Male terminalia was similar to that of *D. postclaviger*, but differed from the latter by distal portion of aedeagus inflated medially (compared with figures 281~284 of Hippa, 1968, P. 73).

**Key words:** Syrphidae; *Dasysyrphus xizangensis* Pan, Wang et Huo, 2010; male; new description

潘朝晖等(2010)已对西藏毛蚜蝇 *Dasysyrphus xizangensis* Pan, Wang et Huo, 2010 雌性进行了描述。我们于2015年8月在山西省芦芽山自然保护区进行食蚜蝇标本采集时获得该种的雄性和雌性标本, 并对该种雄性进行了补充描述, 内容如下。文中形态学术语采用霍科科等(2007)。

#### 西藏毛蚜蝇 *Dasysyrphus xizangensis* Pan, Wang et Huo, 2010

雄性(图版 I :1): 复眼密被黄褐色毛。头顶三角(图版 I :2)黑色, 覆黄色薄粉, 毛黑色。额(图版 I :2)黑色, 被黑毛, 基部覆灰白色粉。后头部覆浅

黄白色粉, 盖住底色; 被毛黄至黄白色。颜(图版 I :3,4)黄色, 具黑色中条, 几伸达触角基部, 复眼下方暗褐色, 口缘黑色; 颜毛主要黑色。触角全黑色, 第三节短卵形; 芒黑色。

中胸背板黑色, 具光泽, 两侧略呈暗褐色; 基部中央具灰白色粉被条纹, 伸达背板中部之后, 两侧横沟之前具黄粉条纹, 肩胛覆黄粉; 背板毛黄色, 长。小盾片黄色, 毛大部分黑色, 周边具黄毛; 盾下缘缨, 黄色, 长。中胸下前侧片后端背、腹毛斑宽地分离, 后端狭地相连; 中胸上前侧片前低平部、上后侧片中、后部及基侧片裸。后胸腹板裸。

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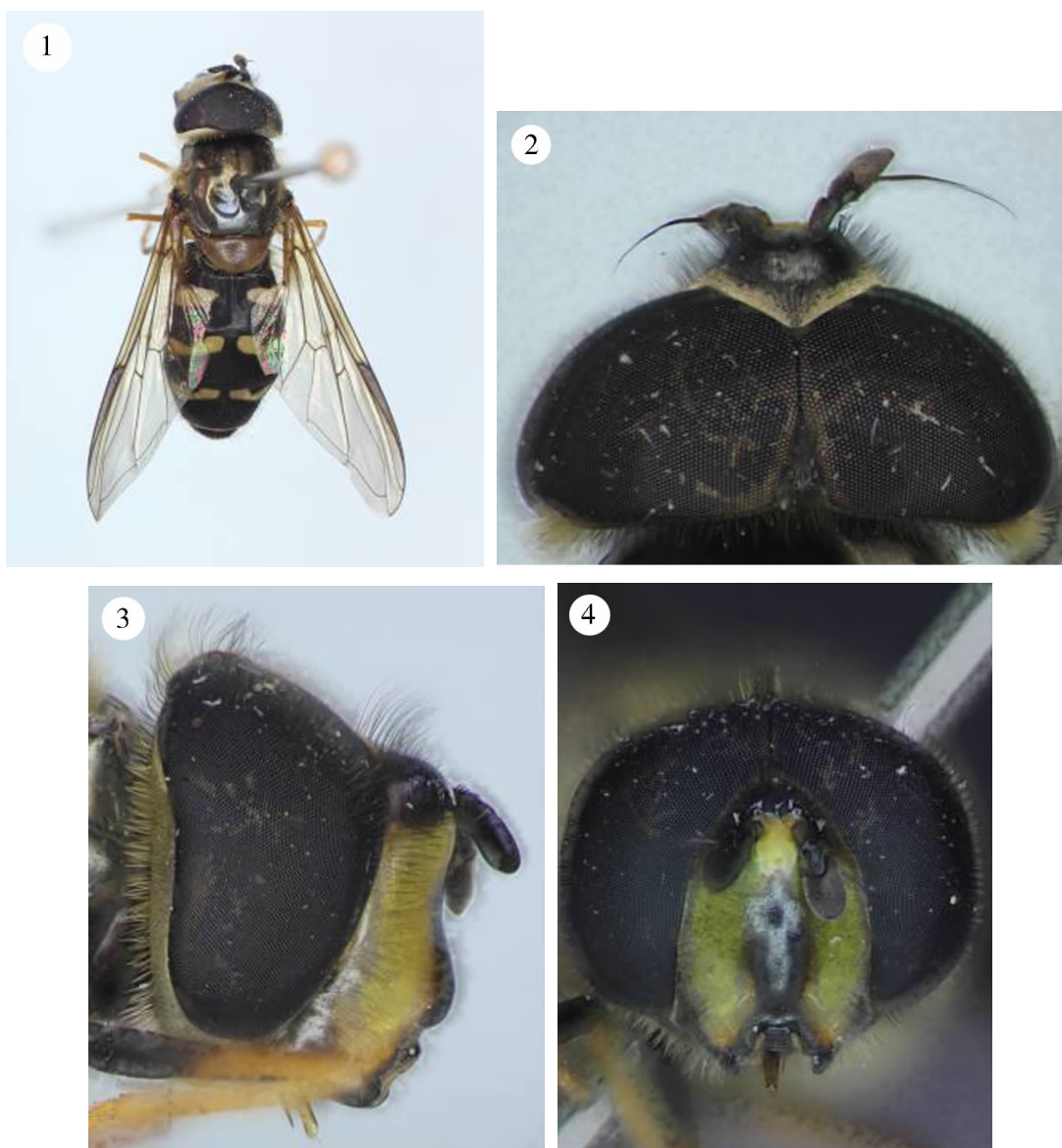
足棕黄色,各足基节、转节、前足腿节基部近2/3、中足腿节基半部、后足腿节基部4/5暗黑色;足毛主要黄色,缺后足基节后中端角毛簇。

翅透明,翅痣暗褐色;翅面具微毛,无裸区。腋瓣及平衡棒黄色。

腹部亮黑色,具3对黄斑;第二背板黄斑略斜置于背板中部,内端近背板前缘,前缘几与背板前缘平行、后缘略斜;第三、四背板黄斑位于背板基半部,内端达背板前缘,后方呈钝角向外弯曲,变狭,斑外端呈三角形膨大;各背板黄斑均不达背板侧缘,第四、五背板后缘具狭的黄边。背板被毛主要黄色,背板

后缘具黑毛。腹面暗褐色,腹板的前、后缘色较浅。

雄性尾器(图版II:5~10):骨化强烈,黑褐色。第九背板近长方形,长大于高,背缘明显短于腹缘。尾须暗黄褐色,狭长,被黄白色长毛。背针突侧面观近三角形,后腹角狭,外侧面被黑色粗毛,内侧面具黑色短刺;后面观中央凹陷,两侧缘隆起,近外侧具黄白色长毛。第九腹板(图II:7)侧臂长于舌状突。上叶(图版II:8)不规则角状,后背角尖,指向前背方。阴茎(图版II:10)黄褐色,阴茎端近中部明显膨大;阴茎基近圆筒形,阴茎表皮内突较短,近黑色。

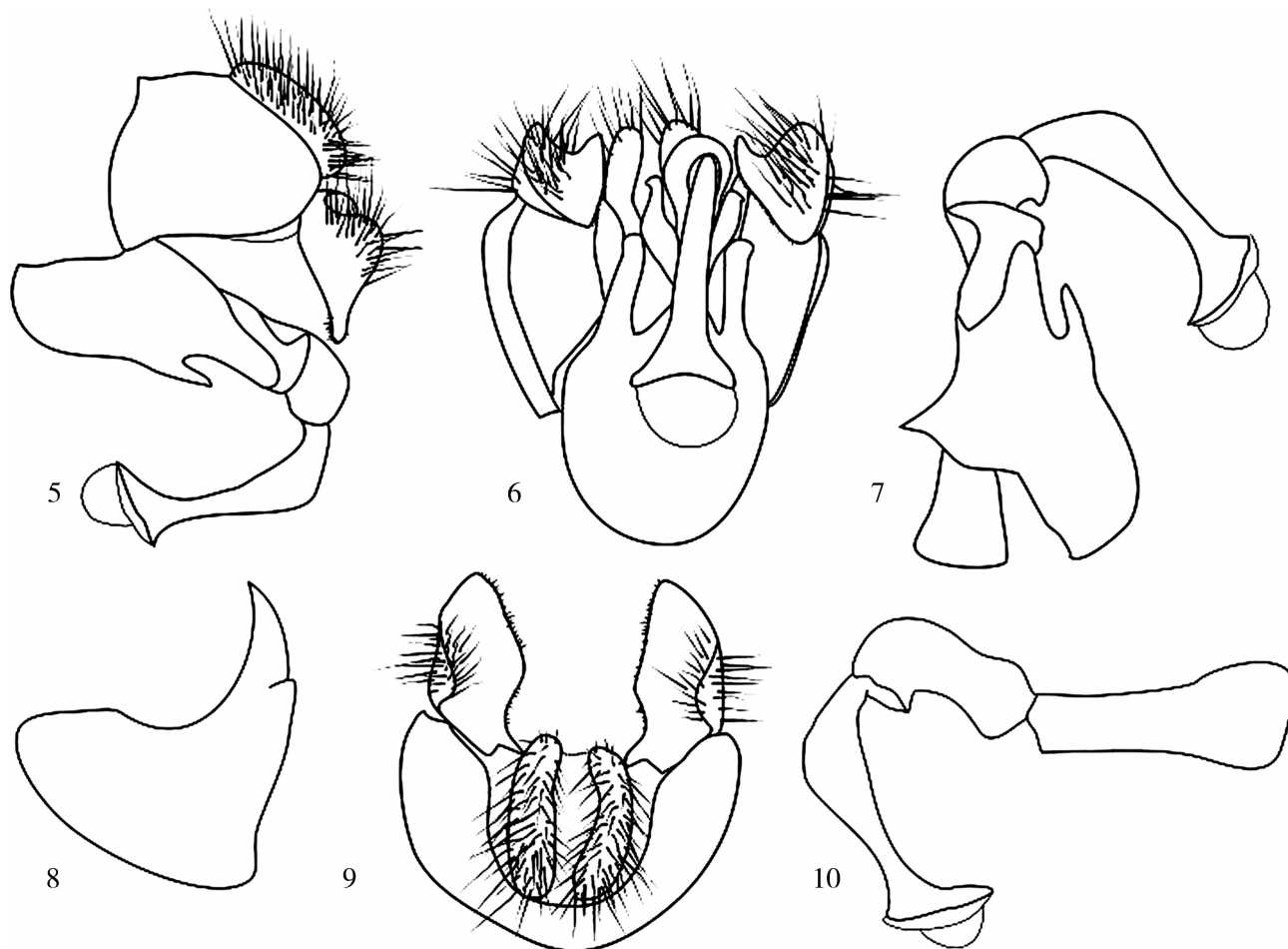


图版 I 西藏毛蚜蝇 *Dasysyrphus xizangensis* Pan, Wang et Huo, 2010

Plate I *Dasysyrphus xizangensis* Pan, Wang et Huo, 2010

1. 雄性背面观, 2. 雄性头部背面观, 3. 雄性头部侧面观, 4. 雄性头部正面观。

1. male habitus, dorsal view, 2. head, male, dorsal view, 3. head, male, lateral view, 4. head, male, anterior view.



图版 II 西藏毛蚜蝇 *Dasysyrphus xizangensis* Pan, Wang et Huo, 2010

Plate II *Dasysyrphus xizangensis* Pan, Wang et Huo, 2010

5. 雄性尾器侧面, 6. 雄性尾器腹面, 7. 第九腹板及其附器, 8. 上叶, 9. 第九背板及其附器, 10. 阴茎。  
 5. male terminalia, lateral view, 6. male terminalia, ventral view, 7. hypandrium and its appendages, 8. superior lobe, 9. epandrium and its appendages, 10. aedeagus.

体长 8 ~ 11 mm, 翅长 7 ~ 10 mm。

采集地: 山西省芦芽山自然保护区。

海拔: 2 739 m。

地理位置: 112°05'E, 38°50'N。

观察标本: 1 ♀, 2015-VIII-9, 山西省宁武县芦芽山; 1 ♂ 1 ♀, 2015-VIII-10, 山西省宁武县芦芽山; 2 ♂ 2 ♀, 2015-VIII-11, 山西省宁武县芦芽山; 1 ♀, 2015-VIII-14, 山西省宁武县芦芽山; 1 ♂, 2015-VIII-15, 山西省宁武县芦芽山。

在标本采集过程发现只有当海拔上升到一定高

度才能采集到西藏毛蚜蝇, 且模式标本采集地也是位于海拔 2 700 m 的地区。

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