



## Lonchopteridae (Diptera) from Guangxi, Southwest China

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### Abstract

The family Lonchopteridae is recorded from Guangxi for the first time. Two genera and 6 species are recognized. Two new species, *Lonchoptera pinglongshanensis* Dong, Pang and Yang, **sp. nov.** and *Lonchoptera unicolor* Dong, Pang and Yang, **sp. nov.**, are described. One species, *Lonchoptera pipi* Andersson, is recorded from China for the first time. A key to the species of Lonchopteridae from Guangxi is presented.

**Key words:** Diptera, Lonchopteridae, *Lonchoptera*, *Spilolonchoptera*, new species, China

### Introduction

Lonchopteridae is a small and worldwide family. There are about 50 known species belonging to 3 genera in the world (Saigusa, 1975; Joseph and Parui, 1981; Andersson, 1991; Whittington, 1991; Yang, 1998). Three genera and 12 species were known to occur in China, but the family was not previously recorded from Guangxi (Yang, 1998).

Guangxi has a mixed subtropical and tropical climate, is located in Southwest China and belongs to the Oriental Region. Recently we studied Lonchopteridae from Guangxi collected by Dr. Ding Yang, Ms. Yinxia Liao and Dr. Yajun Zhu from 2002 to 2006. Two genera and 6 species including 2 distinct new species are recognized. The type specimens are deposited in the Entomological Museum of China Agricultural University (CAU), Beijing. Morphological terminology generally follows that of McAlpine (1981). The following abbreviations are used: a—anterior seta, ad—anterodorsal seta, av—anteroventral seta, d—dorsal seta, dc—dorso-central seta, pd—posterodorsal seta, pv—posteroventral seta, v—ventral seta.

### Key species (males) of Lonchopteridae from Guangxi

1. Fore tibia without dorsal setae at middle; fore tarsus thick, as wide as fore tibia; wing somewhat obtuse at tip, with a large brown apical spot [**genus *Spilolonchoptera***] ..... *S. curtifurcata* Yang, 1998
- Fore tibia with dorsal setae at middle; fore tarsus thin, narrower than fore tibia; wing pointed at tip, without large brown apical spot [**genus *Lonchoptera***]. ..... 2
2. Mid leg normal, without long curved setae ..... 3
- Mid femur excavate dorsally at middle, with 1 long curved seta apically; mid tibia with many long curved setae ..... *L. excavata* Yang and Chen, 1995
3. Antenna brown or dark brown ..... 4
- Antenna yellow ..... *L. orientalis* (Kertész, 1914)