

A review of the species of *Euroleon* (Neuroptera: Myrmeleontidae) from China

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Abstract

The species of *Euroleon* (Neuroptera: Myrmeleontidae) from China are reviewed. *Euroleon parvus* Hölzel, 1972 and *E. polyspilus* (Gerstaecker, 1885) are newly recorded in China. *Euroleon sanxianus* is proposed as a new synonym of *Euroleon coreanus*. A key to the examined species of *Euroleon* from China is given and geographic distributions are discussed.

Key word: Neuroptera, Myrmeleontidae, *Euroleon*, new record, China

Introduction

The genus *Euroleon* was erected by Esben-Petersen (1918) for the single European species *Myrmeleon europeus* McLach, 1873. This name is now a junior synonym of *Euroleon nostras* (Geoffroy in Fourcroy, 1785). The genus *Euroleon* distributes widely in the Palaearctic Region. Until now 6 species of *Euroleon* have been described in the world, *E. coreanus* (Okamoto, 1926), *E. nostras* (Geoffroy in Fourcroy, 1785), *E. parvus* Hölzel, 1972, *E. polyspilus* (Gerstaecker, 1885), *E. sanxianus* Yang, 1997, and *E. sjostedti* Navás, 1928 (Stange, 2004). Except *E. nostras*, *E. parvus* and *E. polyspilus*, two other species are also distributed in China. *E. parvus* is distributed in Afghanistan, Azerbaijan, Turkmenistan, Tajikistan, Uzbekistan, Kazakhstan, Iran and *E. polyspilus* is known in Mongolia and Russia. Our research found that those two species exist also in China.

We propose *E. sanxianus* Yang, 1997 as a new synonym of *E. coreanus*. *E. sanxianus* was denominated by Yang Chi-kun (1997) for 2 female and 1 male specimens from Sanxia area, Hubei, China. In his publication, Yang (1997) compared this species with *E. nostras* and pointed out the differences between them in spots of wing and pilula axillaries, but he didn't anatomize the genitalia of these specimens. We have re-examined these specimens