

## Discovery of *Indosialis* from China, with description of one new species (Megaloptera: Sialidae)

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### Abstract

The little known alderfly genus *Indosialis* is recorded from China for the first time. One species is described as new to science: *Indosialis bannaensis* sp. nov.

**Key words:** Sialidae, *Indosialis*, new species, Oriental Region, China

### Introduction

The alderfly genus *Indosialis* Lestage, 1927 is a small genus in the family Sialidae, with only one recent and one fossil species. The first *Indosialis* species, *I. minora*, was originally described and placed in the Neotropical genus *Protosialis* by Banks (1920) based on only one male from Singapore. Lestage (1927) noted that this species differs from *Protosialis* by the simple  $M_{3+4}$  and established a new genus, *Indosialis*, by this species. However, the above two works were mainly focused on the venation of the genus but without any illustrations, leaving most general characters obscure, particularly in the genitalia. Nel (1988) described the second *Indosialis* species, *I. beskonakensis*, which is a fossil species from the Oligo-Miocene from Turkey, only known as a hindwing. Later, Nel (2002) illustrated the male genitalia of the type of *I. minora* for the first time while describing a new sialid genus *Eosialis*.

During a survey by the first author to the Xishuangbanna National Reserve, Yunnan Province, China, a single male alderfly was collected using a sweep net in the tropical rain forest. It identified as a new *Indosialis* species, which represents the re-discovery of the genus after more than 80 years. Herein, this new species is described and illustrated. The