



A new species of *Scutisotoma* Bagnall (Collembola: Isotomidae) from China

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Abstract

A new species, *Scutisotoma potapovi*, is described from Jiangsu Province, China. The new species is most similar to *S. subarctica* (Gisin, 1950) and *S. indigirka* Potapov, Babenko & Fjellberg, 2006. The drawings of pertinent morphological details are included. The checklist of species belonging to the *Proisotoma sensu lato* from China is given.

Key words: Collembola, Isotomidae, *Scutisotoma potapovi* sp. nov., China

Introduction

Potapov *et al.* (2006) distinguished the *Proisotoma* complex from the genus *Proisotoma sensu lato*, redefined some genera, which regained their lost generic status. Among them *Scutisotoma* Bagnall, 1949, with type species *Proisotoma titusi* Folsom, 1937, differs in the following characters: all abdominal segments clearly separated, furca in various stages of reduction, manubrium with a pair of distal setae on anterior side (rarely without setae), tergal sensilla on abdomen in mid-tergal position, all microsensilla present (11/111), B-row on Ti.1–2 complete (Potapov *et al.* 2006). The specimens collected in Jiangsu Province belong evidently to this genus.

So far, many species of *Proisotoma sensu lato* (with 27 species in the genus *Scutisotoma*) have been described from all over the world (Bellinger *et al.* 2008). Four species: *Proisotoma minuta* (Tullberg, 1871), *P. fraterna* Rusek, 1967, *P. huadongensis* Chen, 1985 and *P. xinjiangica* Hao & Huang, 1995, have been reported from China (Zhao 1997). However, the species *P. huadongensis* Chen, 1985 was placed in the genus *Dimorphotoma* (due to the sexual dimorphism) and the species *P. xinjiangica* Hao & Huang, 1995 was considered to be probably the synonym of *Appendisotoma stebayevae* (Potapov 2001). A new species, *Scutisotoma potapovi*, is described here from Nanjing, Jiangsu Province, China.

A checklist of species of *Proisotoma sensu lato* as reference to their distribution in China is presented below.

1. *Proisotoma fraterna* Rusek, 1967 recorded from Guangdong, Shanghai.
2. *P. minuta* (Tullberg, 1871) recorded from Hebei.
3. *Appendisotoma xinjiangica* (Hao & Huang, 1995) recorded from Xinjiang.
4. *Dimorphotoma huadongensis* (Chen, 1985) recorded from Shanghai.
5. *Scutisotoma potapovi* sp. nov. from Jiangsu Province.