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## Three new species of the genus *Suctobelbella* (Acari: Oribatida: Suctobelbidae) from Sanjiang Plain, Northeast China

DONG LIU<sup>1</sup> & DONGHUI WU<sup>1,2</sup>

<sup>1</sup>Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, Changchun 130012, P. R. China.

E-mail: liudong@neigae.ac.cn

<sup>2</sup>Corresponding author. E-mail: wudonghui@neigae.ac.cn

### Abstract

Three new species of the genus *Suctobelbella* from Sanjiang Plain in Northeast China are described: *S. triangulata* sp. nov., *S. obtusa* sp. nov., *S. sanjiangensis* sp. nov., and a key to all known species of China is provided.

**Key words:** Soil mites, Oribatida, Suctobelbidae, *Suctobelbella*, new species, Sanjiang Plain, Northeast China

### Introduction

The Sanjiang Plain, which comprises 108,900 square kilometers in the northeast of China, is one of the most important grain production areas in China and supports a rich biological diversity. This plain is found within the geographical coordinates of 45°01'–48°27'56"N and 130°13'–135°05'26"E, in Heilongjiang Province. The northern boundary of the plain forms the China–Russia (Far East Region) border. In the course of faunistic studies of the oribatid mite fauna of Sanjiang Plain, we have found three new species of the genus *Suctobelbella*.

*Suctobelbella* (Acari: Oribatida: Suctobelbidae) is a large genus that was proposed by Jacot (1937) with *Suctobelbella serratirostrum* Jacot, 1937, as type species. Currently, the genus comprises 179 species and 14 subspecies (Subías 2012) that collectively have a cosmopolitan distribution. Till now, only eight species of this group have been recorded in China (Chen *et al.* 2010). The aim of this paper is to give detailed descriptions of the new species and a key to all known species of China. All types are deposited in Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, Changchun.

### Methods

Measurements and descriptions are based on specimens mounted in temporary cavity slides that were studied using a light microscope equipped with a drawing attachment.

The terminology generally follows Mahunka & Mahunka-Papp (2001) and Chinone (2003). The unit of measurement is micrometre (µm).

### Descriptions of new species

#### *Suctobelbella triangulata* sp. nov.

(Figs. 1–9)

**Material examined:** Holotype: adult (in alcohol, LD-10-270), China: Heilongjiang Province, Shuangyashan City, Baoqing County, Bawusan Farm (46°30'30.76"N, 133°15'18.00"E), from litter, 142 m a.s.l., 16 Aug., 2010, leg.