A new species of *Willowsia* (Collembola: Entomobryidae) from South China

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Abstract

Willowsia guangdongensis sp. nov. from South China is described. It can be easily distinguished from other *Willowsia* species by the color pattern, dorsal chaetotaxy, interocular setae and labral papillae. It is most close to the worldwide species *W. nigromaculata* (Lubbock), 1873; however, it differs from the latter in the absence of labral papillae and dorsal chaetotaxy. A key to the Chinese species of the genus is given.

Keywords: Collembola, Entomobryidae, *Willowsia guangdongensis* sp. nov., key, China

Introduction

Members of the genus, *Willowsia* Shoebotham 1917, have 8+8 eyes, 4-segmented antennae, scales on body, no scales and spines on dentes, bidentate mucro and short mucronal basal spine with tip reaching subapical tooth. So far, 24 species of the genus *Willowsia* have been described. Among them, only five species were reported from China as follows:

  nigromaculata (Lubbock, 1873) (Shanghai; worldwide);

  formosana Denis, 1929 (Taiwan);

  jacobsoni (Börner, 1913) (Taiwan);

  guangxiensis Shi & Chen, 2004 (Guangxi);

  shiae Pan, Zhang & Chen, 2006 (Tibet).

  A species new to science is described here from Guangdong, South China.

Key to Chinese species of the genus *Willowsia*

1. Abd. III dorso-central macrochaetae 1+1.. *formosana*
- Abd. III dorso-central macrochaetae more than 1+1 2
2. Abd. IV dorso-central macrochaetae less than 8+8 3
- Abd. IV dorso-central macrochaetae more than 8+8 5
3. Abd. III dorso-central macrochaetae 3+3 .... *nigromaculata*
- Abd. III dorso-central macrochaetae 2+2 3