

***Isohypsibius qinlingensis* sp. nov. (Tardigrada, Hypsibiidae) from China**

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Abstract

Isohypsibius qinlingensis sp. nov. is described from China. *Isohypsibius qinlingensis* sp. nov. differs from all known *Isohypsibius* species with large gibbosities and two macroplacoids in the numbers and arrangement of gibbosities in each row. The new species is similar to *Isohypsibius roncivallei* (Binda & Pilato, 1969), but it differs from it in having different arrangement of the gibbosities, and having densely arranged small tubercles on dorsal and lateral side of the body.

Key words: Tardigrada, taxonomy, *Isohypsibius qinlingensis* sp. nov., China

Introduction

In late Autumn 2004 authors collected some moss samples from Qinling Mountains (central part of China). *Isohypsibius qinlingensis* sp. nov. was found. This new species is described and figured in this paper.

Material and methods

Specimens were extracted from moss samples and fixed with 85% boiling alcohol. All specimens were mounted in Hoyer's medium. Observation and measurements were made using Phase Contrast Microscopy (PCM) and an eyepiece micrometer. Photomicrographs and drawings were made using PCM associated with *camera lucida*.

The used pt index is the percentage ratio between the length of a structure and the length of the buccal tube measured from the medio-dorsal ridge of the buccal armature to the base of the pharyngeal apophyses (Pilato, 1981).