Six new species of the genus *Euphthiracarus* (Acari: Oribatida: Euphthiracaridae) from China

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Abstract

Six new species of *Euphthiracarus* from China are described: *E. macrorostralis* sp. nov., *E. medogensis* sp. nov., *E. minimus* sp. nov., *E. oblongus* sp. nov., *E. protrusus* sp. nov., *E. truncatus* sp. nov., and a key to all known species of China is provided.

Key words: Soil mites, Oribatida, Euphthiracaridae, *Euphthiracarus*, new species, China

Introduction

*Euphthiracarus* is the largest genus of the family Euphthiracaridae, with a nearly cosmopolitan distribution. Till now, ten species of this group have been recorded in China (Chen *et al.* 2010, Liu *et al.* 2011). While checking specimens of ptyctimous mites, we identified six species new to science. The aim of this paper is to give detailed descriptions of these species and a key to all known species of China.

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 Niedbała (2000). The unit of measurement is micrometre (\(\mu\)m).

Descriptions of species

*Euphthiracarus macrorostralis* sp. nov.

(Figs. 1–3)


**Etymology.** The new specific name “macrorostralis” is from Latin and refers to the long and robust rostral setae.