

Vietnamese oribatid mites of the genus *Dolicheremaeus* (Acari, Oribatida, Tetracondylidae), with description of two new species

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Abstract

Two new species of oribatid mites of the genus *Dolicheremaeus* (Oribatida, Tetracondylidae), *D. dwalteri* **sp. nov.** and *D. donacunarensis* **sp. nov.**, are described from litter of Dong Nai Culture and Nature Reserve (southern Vietnam). An identification key to all known Vietnamese species of *Dolicheremaeus* is given.

Key words: Oribatida, new species, *Dolicheremaeus*, key, Vietnam

Introduction

Dolicheremaeus is a very large genus of oribatid mites (family Tetracondylidae) that was proposed by Jacot (1938) with *Dolicheremaeus rubripedes* Jacot, 1938 as type species. The main generic characters were summarized by Aoki (1967), Balogh & Balogh (1992) and Corpuz-Raros (2000). Currently, this genus comprises more than 170 species, which are distributed in the pantropical and subtropical regions (Subías 2004, updated 2014).

In the course of taxonomic identification of oribatid mite fauna from Dong Nai Culture and Nature Reserve in southern Vietnam, we found two new species of *Dolicheremaeus*. The first goal of our paper is to describe these species. The second goal of our paper is to present an identification key to all known Vietnamese species of *Dolicheremaeus*.

At present, 11 species¹ of this genus have been recorded in Vietnam, namely: *D. aokii* (Balogh & Mahunka, 1967), *D. bartkei* Rajski & Szudrowicz, 1974, *D. bugiamapensis* Ermilov, Anichkin & Wu, 2012; *D. contactus* Ermilov & Anichkin, 2013, *D. damaeoides* (Berlese, 1913), *D. inaequalis* Balogh & Mahunka, 1967, *D. insolitus* Ermilov & Anichkin, 2014, *D. junichiaokii* Subías, 2010 (= *D. magnus* Aoki, 2006), *D. lineolatus* Balogh & Mahunka, 1967, *D. oginoi* (Aoki, 1965), and *D. ornatus* (Balogh & Mahunka, 1967) (Balogh & Mahunka 1967; Rajski & Szudrowicz 1974; Golosova 1983; Krivolutsky *et al.* 1997; Ermilov *et al.* 2012; Ermilov & Anichkin 2013*a, b*, 2014).

1. *Dolicheremaeus auritus* (Aoki, 1965) is not included. Earlier, Ermilov & Kalúz (2013) noted that *D. auritus* has large pedotecta II (see Aoki 1965), which is not typical for *Dolicheremaeus*, and further research is needed to establish its taxonomical position.