



Ptyctimous mites (Acari, Oribatida) from Southern Vietnam with descriptions of three new species

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Abstract

An annotated checklist of ptyctimous mite taxa from Southern Vietnam, including 18 species, 11 genera and seven families, is provided. Three new species—*Apoplophora minuscula* Niedbała **sp. nov.**, *Acrotrititia proxima* Niedbała **sp. nov.** and *Sabahtrititia dongnaiensis* Niedbała **sp. nov.**—are described. Some remarks on descriptions of Vietnamese *Apoplophora pantotrema* (Berlese, 1913) and *Arphthiracarus tubulus* (Hammer, 1972) are presented.

Key words: Oribatida, *Apoplophora*, *Acrotrititia*, *Sabahtrititia*, checklist, new species, Southern Vietnam

Introduction

Ptyctimous mites of Vietnam are poorly studied and, at present, only less than 30 species were known (Krivoluckij *et al.* 1997; Niedbała 2000; Ermilov *et al.* 2012). This work includes the data about ptyctimous mites, collected in Southern Vietnam during 2006–2012. An annotated checklist of registered taxa is provided in the *Results* section. Three new species, belonging to the three different genera—*Apoplophora* Aoki, 1980 (Mesoplophoridae), *Acrotrititia* Jacot, 1923 (Euphthiracaridae) and *Sabahtrititia* Mahunka, 1987 (*Synichotrititiidae*)—are described below. The genus *Apoplophora* was proposed by Aoki (1980) with *Apoplophora remota* Aoki, 1980 as type species. Currently, it comprises less than 20 species, which are distributed in the Oriental and Australian Regions. The genus *Acrotrititia* was proposed by Jacot (1923) with *Phthiracarus americanus* Ewing, 1909 as type species. Currently it comprises over 50 species which have a cosmopolitan distribution. The genus *Sabahtrititia* was proposed by Mahunka (1987) with *Sabahtrititia hauseri* Mahunka, 1987 as type species. Currently it comprises eight species which are distributed in the Oriental Region.

Also some remarks on the descriptions of *Apoplophora pantotrema* (Berlese, 1913) and *Arphthiracarus tubulus* (Hammer, 1972) are presented.

Material and methods

The ptyctimous mites were submerged in lactic acid and mounted on temporary cavity slides for the duration of the study. Body measurements are presented in micrometers. Length of the body setae was measured in lateral aspect. All types of new species are preserved in the Department of Animal Taxonomy and Ecology, Adam Mickiewicz University, Poznań, Poland.