

Article

Checklist of oribatid mites (Acari: Oribatida) from two forest plantations of southern Vietnam, including new records and description of a new species of the genus *Suctobelbata* (Suctobelbidae)

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Abstract

An annotated checklist of oribatid mite taxa from two forest plantations of Dong Nai Biosphere Reserve (Southern Vietnam) is presented. It includes 55 species, 39 genera and 23 families. *Otocepheus spatulatus*, *Yoshiobodes aokii*, *Acrogalumna bipartita* and the genera *Yoshiobodes*, *Suctobelbata* are first records from Vietnam. *Suctobelbata* is recorded for the first time from the Oriental region. *Suctobelbata bituberculata* **sp. nov.** (Suctobelbidae) is described from litter. The new species is most morphologically similar to *Suctobelbata truncicola* (Forsslund, 1941) from the Palearctic region, but it is clearly distinguishable from the latter by the rectangular tectopedial fields, setiform rostral setae and the prodorsal tubercle represented by a transverse line.

Key words: oribatid mites, checklist, new record, new species, *Suctobelbata*, Vietnam

Introduction

This work is the final part of our study of oribatid mites (e.g. Ermilov & Anichkin 2010, 2011a, b, 2012a, b, 2013a, b; Ermilov *et al.* 2012, 2013) collected from June to August 2012 during Russian-Vietnamese expeditions to Southern Vietnam. It includes the data about oribatid mites from two forest plantations from Dong Nai Biosphere Reserve. The first goal of this paper is to present an annotated checklist of oribatids found from these localities and also to annotate the taxa that are recorded from Vietnam and the Oriental region for the first time.

The secondary goal is to describe a new species of the genus *Suctobelbata* Gordeeva, 1991 (Suctobelbidae). This genus was proposed by Gordeeva (1991) with *Suctobelbata nova* Gordeeva, 1991 as type species. Currently, it comprises nine species, which are distributed in the Holarctic and Australian regions (Subías 2004, online version 2013). The main diagnostic characters of *Suctobelbata* have been summarized earlier by Gordeeva (1991), Mahunka & Mahunka-Papp (1999) and Chinone (2003).

Materials and methods

Studies were conducted by A.E. Anichkin and S.G. Ermilov during July 2012 in Dong Nai Biosphere Reserve (Dong Nai Province, Southern Vietnam). Two sites of forest plantations differing in edaphic and site conditions were sampled for oribatid mites: