



Uropodina species from Vietnam (Acari: Mesostigmata)

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Abstract

Sixteen species of Uropodina were found in samples of soil mites from Vietnam, in the Institute of Soil Biology of the Biology Centre AS CR (Ěesk Budjovice, Czech Republic) and the Soil Zoology Collections of the Hungarian Natural History Museum (Budapest, Hungary). Five of them are known species — *Angulobaloghia vietnamensis* (Kontschán, 2008), *Metagynella vietnamensis* Hiramatsu, 1981, *Uroobovella similitakensis* Hirschmann, 1981, *Uroobovella topali* Hirschmann, 1981, and *Uropoda hirschmanni* Hiramatsu, 1977. Eleven species are described as new — *Trachytes vietnamensis* sp. nov., *Dinychus serratus* sp. nov., *Trichouropoda aspera* sp. nov., *Uroobovella oviformis* sp. nov., *Uroobovella multisetosa* sp. nov., *Paradinychus pilosus* sp. nov., *Phymatodiscus kuni* sp. nov., *Uropoda setata* sp. nov., *Uropoda lichenicola* sp. nov., *Angulobaloghia scrobia* sp. nov. and *Depressorotunda (Depressorotunda) alveolata* sp. nov. The genus *Paradinychus* is resurrected and three species are moved into this genus, as *P. sumatrensis* (Vitzthum, 1921) comb. nov. and *P. fistulata* (Hiramatsu, 1982) comb. nov. Keys to the species of the genus *Paradinychus*, to the Asian species of *Trachytes* and to the *Uropoda spiculata* species group are given.

Key words: Acari, Uropodina, new species, new records, Vietnam

Introduction

The mites of the Cohort Uropodina are one of the most diverse groups of mesostigmatid mites, with more than 2000 species described from all regions of the world (Wiśniewski & Hirschmann, 1993). Until recent, only 40 species were recorded from Indo-China (Wiśniewski, 1993). Subsequently one species has been described from Myanmar, two from Cambodia, three from Laos, eight from Malaysia, four from Thailand and 30 from Vietnam (Wiśniewski, 1993; Kontschán, 2008, 2010a, 2010b, 2010c). Vietnam, with 30 known species, is one of the better-studied countries of the region, but the 30 known species probably represent only the a small proportion of the number of true fauna.

The first Uropodina species from Vietnam was described by Berlese (1913). After that there was a long pause in the study of this fauna, and the second species from Vietnam was described not described until 50 years later (Hirschmann & Zirngiebl-Nicol, 1964). Hirschmann and his co-workers then described more than 25 species from this country (Hirschmann, 1972b, 1972c, 1976a, 1980, 1981a-1981i, 1983; Hiramatsu, 1981a, 1981b, 1981c; Hiramatsu & Hirschmann, 1981; Hirschmann & Wiśniewski, 1986; Hirschmann & Zirngiebl-Nicol, 1972). Then followed another long silence of 20 years in the elaboration of the Uropodina fauna. Recently Kontschán (2008, 2010a, c) described four new species from this country, and the present paper contains our new results of the studying of the Vietnamese fauna.