Uropodina species from Vietnam (Acari: Mesostigmata)

JENŐ KONTSCHÁN1,3 & JOSEF STARÝ2
1Systematic Zoology Research Group, Hungarian Academy of Sciences, Department of Zoology, Hungarian Natural History Museum, H-1088 Budapest, Baross u. 13. Hungary. E-mail: kontscha@zool.nhmus.hu
2Biology Centre AS CR, Institute of Soil Biology, Na sádkách 7370 05 České Budějovice Czech Republic.
E-mail: stary.oribatida@seznam.cz
3Corresponding author

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 (České Budějovice, 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 vietnensis 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 (Wisniewski & Hirschmann, 1993). Until recent, only 40 species were recorded from Indo-China (Wisniewski, 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 (Wisniewski, 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, 1981a1981i, 1983; Hiramatsu, 1981a, 1981b, 1981c; Hiramatsu & Hirschmann, 1981; Hirschmann & Wisniewski, 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 study- ing of the Vietnamese fauna.