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Isotomidae (Collembola) of Buryat Republic. II. A revision of the genus *Folsomia*

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Abstract

Nine new species of the genus *Folsomia* are described from Buryatia (Russia, East Siberia): *F. biparis* sp. nov., *F. fumosa* sp. nov., *F. heterothorax* sp. nov., *F. maximovi* sp. nov., *F. pseudovtorovi* sp. nov., *F. sensivillosa* sp. nov., *F. uniparis* sp. nov., *F. uniramia* sp. nov., and *F. vitimica* sp. nov. A complete list and a key to species recorded in the Buryatia are given, and their morphology, distribution, and ecology are annotated. The taxonomical groups of species are discussed.

Key words: distribution area of species, Baikal, Buryatia, new species, springtails

Резюме

Девять новых видов рода *Folsomia* описываются из Бурятии (Россия, Восточная Сибирь): *F. biparis* sp. nov., *F. fumosa* sp. nov., *F. heterothorax* sp. nov., *F. maximovi* sp. nov., *F. pseudovtorovi* sp. nov., *F. sensivillosa* sp. nov., *F. uniparis* sp. nov., *F. uniramia* sp. nov. и *F. vitimica* sp. nov. Даны полный список и определительная таблица видов отмеченных в Бурятии, приведены комментарии к их морфологии, распространению и экологии. Даны заметки к таксономическим группам видов.

Introduction

In the Holarctic, *Folsomia* Willem is the largest genus of the family Isotomidae occurring in almost any community of Collembola. In the northern part of Asia, which includes Kazakhstan, Siberia, Far East of Russia, and northern areas of China and Japan, the taxon has been well investigated (Babenko 2007; Babenko & Bulavintsev 1993; Martynova 1969, 1971, 1973; Martynova *et al.* 1977; Potapov 2006; Potapov & Babenko 2000; Potapov & Chimitova 2009; Potapov & Gao 2012; Potapov & Marusik 2000; Stebaeva 1971, 1978; Stebaeva & Potapov 1997; Uchida & Tamura 1968; Wang & Wu 2012 and others). Nevertheless, recent material from these areas still reveals new interesting *Folsomia* forms deserving the descriptions. In Buryatia, which belongs to East Siberia six species identified at species level have been recorded so far: *F. culter*, *F. palaeartica*, *F. pseudodecemoculata*, *F. quadrioculata*, *F. villosa*, and *F. vtorovi* (Sokolovskaya 1989, Chimitova *et al.* 2010).

From 2007 to 2012 a vast material of Collembola was collected by us in vicinities of Baikal Lake, mostly in Buryatia. In these samples, 28 species of the genus were recorded, of which nine appeared to be new for science and two were of unclear status. In the present paper, we give an annotated list of all species of *Folsomia* of the region, including the description of nine new ones. Few new records from the areas adjacent to Buryatia are also cited. This work is our third special contribution to taxonomy of Isotomidae of Buryatia (Chimitova & Potapov 2011; Potapov & Chimitova 2009).

Material and methods

Our sampling covered the majority of habitats of the Baikal region: mountain and plateau taiga forests, steppes and