



## **Neanurinae and Morulininae of Moldova (Collembola: Neanuridae), with description of *Neanura moldavica* sp.nov.**

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### **Abstract**

Ten species of *Neanurinae* and *Morulininae* are listed from Moldova, of which 8 are first records for the country. The new species *Neanura moldavica* (Collembola: Neanuridae: Neanurinae: Neanurini) is described. It differs from *N. muscorum*, its closest relative, by the absence of chaeta Di3 on Abd V, the position of chaeta E on the edge of tubercle Af (free in *N. muscorum*) and the additional chaeta of Ant I placed more laterally.

**Key words:** taxonomy, new species, faunistic, Moldova

### **Introduction**

Researches on the Moldavian fauna of Collembola, in collaboration with Prof. M. M. da Gama, resulted in the description of several species new for science and for the fauna of this country from genera *Pseudosinella* and *Xenylla* (Gama & Busmachiou 2002, 2004). This result encouraged us to expand the study over other groups. Recent sampling by the first author resulted in a large number of new records which were partially published (Busmachiou 2004, 2006). More than 121 specimens of *Neanurinae* and *Morulininae* from 23 localities were collected during the last 6 years. They are listed below. Among them, one species was new to science and is described here as *Neanura moldavica* sp.nov.

### **List of the Neanurinae and Morulininae of Moldova**

Only two species of Neanurinae, *Neanura muscorum* and *Deutonura stachi*, were known from Moldova before the present publication (Busmachiou 2001, 2004). Among an abundant material of *Collembola* collected in several regions of the country, *Neanurinae* were represented by 9 species and *Morulininae* by one species. Surprisingly, the genera *Deutonura* and *Neanura*, each with 3 species, were the most diverse, while *Endonura*, often well diversified in several eastern Europe regions, had a single species, recently described from Krimea (Smolis et al, 2007). Another characteristic of this fauna is the complete absence of *Bilobella*, a genus with several species frequent in southeastern Europe.

### **Subfamily Neanurinae, tribe Neanurini**

*Deutonura albella* (Stach, 1920): Crocmaz, 14.ix.2001, 1 ex., Larguta, 05.viii.2005, 4 ex., Lozova, 15.x.2004, 1 ex., Nisporeni, 11.v.2006, 1 ex., Peresecina, 15.vii.2004, 2 ex., "Plaiul Fagului", 10.iv.2006, 10 ex., Radeni, 03.iv.2005, 1