



## New species of *Superodontella* Stach, 1949 (Collembola, Odontellidae) from western part of Ukraine

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### Abstract

Three new species of *Superodontella* from Ukraine are described and illustrated, *S. multisensillata*, *S. huculica* and *S. ruta*. These new species differ in the number of sensilla on antennal segment IV, in the size of mucro and postantennal organ, in the shape of dental setae and in the chaetotaxy of labium.

**Key words:** Collembola, *Superodontella*, new species, Ukraine

### Introduction

Until now, in the Ukrainian fauna were found six *Superodontella* species: *S. delamarei* Rusek, 1991, *S. empodialis* Stach, 1934, *S. montemaceli* Arbea & Weiner, 1992, *S. nana* Cassagnau 1953, *S. scabra* (Stach, 1946) and *S. lamellifera* Axelson, 1903 (Nosek & Vysotskaya 1973, Klymovs'ka & Rukavets' 1988, Kaprus' 1998, 1999, 2003, Kaprus' *et al.*, 2004, 2006). All specimens of these species were collected in moss and litter of forest ecosystems and Carpathians subalpine. The recent examination of the cited material revealed seven new species and only one mentioned previously (*S. lamellifera*). In present paper we describe three of the new species.

In the descriptions we used the morphological nomenclature as follows: for the dorsal chaetotaxy of head, thorax and abdomen, after Cassagnau (1974); for the perilabial chaetotaxy, after Gama (1988); for the labial chaetotaxy, after Massoud (1967); for the tibiotarsal chaetotaxy, after Deharveng (1983) and Lawrence (1977); for the classification of anal valves, after Hüther (1962).

### Taxonomy

#### *Superodontella multisensillata* sp. nov.

(Figs 1–10)

**Diagnosis.** Postantennal organ about 1.3–1.4 times larger than ocellus B, amoeba-like shape, with four lobes, the posterior one very reduced. Antennal segment IV with 13–14 subcylindrical curved sensilla. Head only with seta c3 in c-row. Thoracic terga II and III with setae m1, m4 (or 3/4) and m7=s. Labium (per half) with four papillate setae and three ordinary setae: F macrochaeta, f and G mesochaetae. Perilabial area with 3+3