



## Collembola Poduromorpha from Guelma Province (Northeastern Algeria), with description of a new *Superodontella* species (Collembola: Odontellidae)

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### Abstract

Ten Poduromorpha species have been found in the Taya Region, three of which are new for Algeria: *Hypogastrura vernalis* (Carl, 1901), *Xenylla brevisimilis mediterranea* Gama, 1964 and *Superodontella tayaensis* **sp. nov.** The new species is morphologically closest to *S. subalpina* Arbea, 1990, with three subequal dental chaetae. They differ in the number of tibiotarsal chaetae and the sensilar chaetotaxy of Ant IV.

**Key words:** *Superodontella tayaensis*, new species, species list, taxonomy, Taya Region

### Introduction

Our study is based on material collected by the last two authors during a series of trips in the region of Taya (Guelma Province, Algeria). We present also a description of a new *Superodontella* species.

**Abbreviations used:** In the descriptions we used the morphological nomenclature as follows: antennal sensilla (S-chaetae) are numbered after D'Haese (2003); the nomenclature of tergite chaetotaxy follows the classical a,m,p pattern, after Yosii (1956) and Arbea and Jordana (1997); for the perilabial chaetotaxy, after Gama (1969) and Yosii (1971); for the labial chaetotaxy, after Massoud (1967); for the structure of maxilla, after Deharveng (1981) and Bedos and Deharveng (1990); for the chaetae classification of anal valves, after Hüther (1962).

Abd tr—abdominal tergum, Abd st—abdominal sternum, Ant—antennal segment, EPP—postero-external process of fulcrum, IPP—postero-internal process of fulcrum, ms—microsensillum, PAO—postantennal organ, Th tr—thoracic tergum, Th st—thoracic sternum.

**Material deposit.** LBEA—Laboratoire de Biosystématique et Écologie des Arthropodes, Faculté des Sciences de la Nature et de la Vie, Université Constantine 1 (Algérie); MZNA—Museo de Zoología, University of Navarra, Pamplona (Spain); JIAP—Private collection of J.I. Arbea (Spain).

### Results

#### Poduromorpha Collembola from Taya (Guelma Province, Algeria)—species list

Ten species of Poduromorpha, including the new species described in this paper, are recorded from the Taya Region.

#### Family Hypogastruridae

*Hypogastrura vernalis* (Carl, 1901), was found in moss on soil.

Distribution: Palearctic, new to the Algerian fauna.