



New species of *Pseudosinella* (Collembola: Entomobryidae) from Iberian Peninsula

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Abstract

Two new taxa of *Pseudosinella* from Iberian Peninsula are described and illustrated, *P. luenganensis* **sp. nov.** and *P. jordanai* **sp. nov.**, and a new record for *P. zaragozana* Arbea, 2006 is given. Two new species are established after the re-descriptions of two species which differ from the original descriptions, one from Spain and the other from China. A key for all the species in the genus from the Iberian Peninsula is included.

Key words: Collembola, Entomobryidae, *Pseudosinella*, Iberian Peninsula, new taxa

Introduction

Studies of the genus *Pseudosinella* from the Iberian Peninsula were begun in the 20's by F. Bonet (1929, 1931) who described a total of 13 species, Gisin since 1967 alone or in collaboration with Gama 22; Simón Benito with several coauthors, Selga, Lucíañez, Bach, added 10, Dallai in 1976 described a new species and Jordana, Arbea and other specialists named an additional 16. A total of 57 species have been described from this European region.

During the 90's several samples of soil were collected in different localities from the Macizo Central and the Montes de León. As a result of the study of these samples we have found two new species from the genus *Pseudosinella*, which are described here in. If the species of this genus from Azores, Balears, Canaries Islands and Iberian Peninsula are counted together, there are about 100 species. For the descriptions of the new taxa and the key, we use the system of Gisin (1967) and we give the formula of Christiansen *et al.* (1990) and the following abbreviations: Abd. I–VI = abdominal segments I to VI; Ant. I–IV = antennal segments I to IV; Th. I–III = Thoracic segments I to III.

Species description

Pseudosinella zaragozana Arbea, 2006

Figs. 1–5

Material examined. Spain, Madrid. Loeches. UTM: 30TVK67, 17.xii.1992: sample C: 1830, (three specimens, one male, 2 females) from soil of *Quercus faginea*; sample C: 1842 (one male) from soil of *Quercus coccifera*.