

A taxonomic revision of *Hypogastrura crassaegranulata* (Stach, 1949) (Collembola, Hypogastruridae)

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Abstract

The polytypic species *Hypogastrura crassaegranulata* (Stach, 1949) is revised, mostly based on types. *H. crassaegranulata dobsinensis* (Stach, 1949) is synonymized with *H. crassaegranulata* sensu nov. and *H. crassaegranulata estaranhensis* Cassagnau, 1959 and *H. crassaegranulata burgundiana* Gisin, 1960 are synonymized with *H. franconiana* stat. nov. *H. crassaegranulata carpatica* Nosek, 1962 is recognized as a distinct species. *Achorutes schäfferi* Carl, 1901 (= *A. affinis* Schäffer, 1900), suspected as identical with *H. crassaegranulata franconiana*, is considered as a probable synonym of *H. purpurescens* (Lubbock, 1867). Redescriptions are provided and lectotypes are designated for *H. crassaegranulata* (Stach, 1949) sensu nov. and *H. franconiana* (Stach, 1949) stat. nov.

Key words: redescriptions, lectotypes designation, synonymy, springtails

Introduction

Hypogastrura crassaegranulata (Stach, 1949) was described as a polytypic species comprising three subspecies: *H. crassaegranulata crassaegranulata* (Stach, 1949) from the Tatra Mountains, *H. crassaegranulata dobsinensis* (Stach, 1949) from Slovenski Raj and *H. crassaegranulata franconiana* (Stach, 1949) from Bavaria (Stach 1949). Later three further subspecies were described from Pyrenees (*H. crassaegranulata estaranhensis* Cassagnau, 1959), Côte d'Or and Saone-et-Loire (*H. crassaegranulata burgundiana* Gisin, 1960) and Male Karpaty Mountains (*H. crassaegranulata carpatica* Nosek, 1962) (Cassagnau 1959, Gisin 1960a, Nosek 1962). Such polytypic conceptions were widely used as late as the 1960s (Gisin 1960b, Palissa 1964), but modern taxonomy indicates that *H. crassaegranulata* should be regarded rather as a complex of species of