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A new species of *Deutonura* (Collembola: Neanuridae: Neanurinae) from Algeria, with revised diagnosis of the genus and key to western Palaearctic species

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Abstract

Deutonura adriani sp. nov. is described from the region of Tizi-Ouzou (Algeria). The species is morphologically similar to *D. deficiens deficiens* Deharveng, 1979 from southwestern France, differing by not having De3 chaetae integrated into the dorso-external tubercle on abdominal tergites I and II. The genus *Deutonura* is re-diagnosed and a key to its Western Palaearctic species is provided.

Key words: *Deutonura adriani* sp. nov., taxonomy, North Africa, springtails

Introduction

The study of Algerian Neanurinae has progressed significantly during the last decade, with several new taxa described or recorded from the region of Constantine in Eastern Algeria (Deharveng *et al.* 2007, Hamra-Kroua & Deharveng 2010, Deharveng *et al.* 2015). Published records in ecological works listed three species of Neanurinae near Tizi-Ouzou (Ait Mouloud *et al.* 2007): *Bilobella aurantiaca* Caroli, 1912, *Endonura gladiolifer* (Cassagnau, 1954) and *Deutonura* sp. The undescribed species is described here under the name *D. adriani* sp. nov., as the second species of *Deutonura* Cassagnau, 1979 for Algeria. It exhibits a striking similarity with *Deutonura deficiens deficiens* Deharveng, 1979 from Southwestern France, 700 km to the northwest across Mediterranean Sea. We also provide here a key to western Palaearctic species of *Deutonura*.

Material and methods

The described material was extracted from forest litter cores in Tullgren/Berlese funnel. Samples were collected in mountains northeast and southwest of Tizi-Ouzou.

Terminology and chaetotaxic nomenclature used in this paper follow Deharveng (1979, 1983), Deharveng & Weiner (1984) and Smolis (2008a).

Abbreviations. General morphology: Abd., abdominal segment; Ant., antennal segment; Cx, coxa; Fe, femur; Omma, ommatidium/a; Scx2, subcoxa 2; Th., thoracic segment; Tr, trochanter; Ti, tibiotarsus; VT, ventral tube. Groups of chaetae and tubercles: AIIIO, organite of Ant. III; AF, antenno-frontal; Ag, antegenital; An, microchaetae of anal valves; CL, clypeal; De, dorsoexternal; Di, dorsointernal; DL, dorsolateral; Fu, furcal remnant; L, lateral; Oc, ocular; So, subocular; Tub, tubercle; Ve, ventroexternal; Vi, ventrointernal; VL, ventrolateral.

Tubelem, elementary tubercles (AA, BE, DE, EE, Ap in the cephalic tubercle AF).

Types of chaetae (see Deharveng 1983 for rationale): Ml, long macrochaeta; Mc, short macrochaeta; mes,