



## Taxonomy of the *Proisotoma* complex. III. A revision of the genus *Narynia* (Collembola: Isotomidae) with a description of a new species from China

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### Abstract

The three known species in the genus *Narynia* Martynova, *Narynia setosa* Martynova, *Narynia andreevae* Martynova in Martynova & Tshelnokov and *Narynia kolimiensis* Martynova are revised based on type specimens. A new species for the genus, *Narynia luanae* sp.n. from Northwest China, is described. An identification key to the species and the diagnosis of the genus are given.

**Key words:** Anurophorinae, key to species, continental Asia

### Introduction

*Narynia* Martynova, 1967 is a small genus in the family Isotomidae consisting of three known species found in mountainous continental areas of Asia (Martynova 1967, Martynova & Tshelnokov 1975, Martynova 1981). In present paper, we redescribe all known species in the genus and describe a new species collected in the Liupan Mountain Nature Reserve, Ningxia Province, Northwest China. All four species of *Narynia* are only found in continental inner Asia. This work continues the taxonomic series on the *Proisotoma* complex (Potapov *et al.* 2006, 2009).

Type specimens of the new species are deposited in the Entomological Museum of Institute of Plant Physiology & Ecology, Shanghai, China (CAS).

Abbreviations: Abd.I–VI—abdominal segments; accp-sensillum—p-row accessorial tergal sensillum; Ant.1–4—antennal segments; bms—basal microsensillum on antennal segments; B-row of chaetae—the second chaetal whorl on tibiotarsi; CAS—Chinese Academy of Sciences; Md, Mdl, MI—dorsal, dorsolateral, lateral macrochaetae; ms—microsensillum; PAO—postantennal organ; s—sensillum; Th.I–III—thoracic segments; Ti.1–3—tibiotarsi of legs 1–3; ZIN—Zoological Institute of Russian Academy of Sciences, St. Petersburg.

### Generic diagnosis

#### *Narynia* Martynova, 1967

Type species: *Narynia setosa* Martynova, 1967

**Diagnosis.** Anurophorinae with a cluster of ten conspicuous erect horizontal chaetae at the tip of abdomen. All abdominal segments clearly separated, with an abrupt change in alignment from posterior to ventrodorsal between Abd.IV and Abd.V. Distal abdominal segment long, distinctly visible in dorsal view.