

## The second species of the subgenus *Navinaxonopsis* Cook, 1967 (Acari, Hydrachnidia: Aturidae: Axonopsinae) from Iran

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### Abstract

Both sexes of *Axonopsis persica* sp. nov. from Iran are described. It is the second representative of the subgenus *Navinaxonopsis* Cook, 1967.

**Key words:** Acari, water mites, Aturidae, taxonomy, new species, Iran

### Introduction

So far, only two species of the subgenus *Navinaxonopsis* Cook, 1967, *Axonopsis abnormipes* Cook, 1967 (India), and *A. quajabicus* Orghidan, Gruia & Iavorschi, 1981 (Cuba), are reported from running and interstitial waters, respectively. However, the drawings of *A. quajabicus*, show clearly that it does not belong to the subgenus *Navinaxonopsis* (Cook, 1967, 1974), differing from *A. abnormipes* and *A. persica* sp. nov. in the presence of one distinct pair of glandularia between the insertions of the fourth legs and the genital field, and in a different shape of IV-L and palp (Orghidan et al., 1981).

Sepasgosarian (1999) recorded (based on material from the collection of Professor Jürgen Schwoerbel) *Axonopsis abnormipes* from Iran. An examination of the specimen under this name in the collection of Schwoerbel shows that it represents the second species of the subgenus *Navinaxonopsis* Cook, here described as *Axonopsis persica* sp. nov.

### Material and Methods

Specimens were preserved in Koenike's fluid and dissected as described elsewhere (e.g. Gerecke, 1991). The holotype and paratypes of *Axonopsis persica* sp. nov. are deposited in