

## Two new species of *Neophyllobius* (Acari: Camerobiidae) from Turkey

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### Abstract

Two new species of *Neophyllobius* viz. *N. sultanensis* & *N. afyonensis* are described and illustrated from Turkey.

**Key words** : Acari, Camerobiidae, *Neophyllobius* new species, Turkey.

### Introduction

The genus *Neophyllobius* was erected by Berlese with *N. elegans* as the type species in 1886. Species of the genus *Neophyllobius* are predators, preying on first-instar (crawlers) of armoured scale insects (Homoptera: Diaspididae) and on various plant-inhabiting mites (Bolland, 1991; Bolland & Mehrnejad, 2001; Gerson, 1971, 1973; Gerson & Smiley, 1990; Gerson *et al.*, 1990; Khanjani & Ueckermann, 2002; Meyer, 1962; Toit *et al.*, 1998). De Leon (1958) observed that *Neophyllobius* spp. fed on tydeid mites and *Brevipalpus* ssp. Bolland (1983) observed that *N. aesculi* Bolland feeds on eriophyid mites occurring on chestnut branches in the laboratory.

Nine species of *Neophyllobius* have been reported from Turkey (Doğan & Ayyıldız, 2003; Koç, 1999, 2001; Koç & Ayyıldız, 1996; Koç & Madanlar, 2002).

In this paper, two new species viz. *N. sultanensis* & *N. afyonensis* are described and illustrated from Turkey.

The setal nomenclature used in the species description follows Kethley (1990). Type materials and other specimens are deposited in the Zoological Museum of Celal Bayar University. All measurements are given in micrometers ( $\mu\text{m}$ ).