

***Camerobia* and *Neophyllobius* (Acari: Prostigmata: Camerobiidae) from Australia, with the descriptions of two new species**

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Abstract

We review the mites of the genera *Camerobia* and *Neophyllobius* (Acari: Prostigmata: Camerobiidae) from Australia and propose two new species, *Neophyllobius variegata* from soil under rocks in The Northern Territory, and *N. womersleyi* from under bark in Adelaide, South Australia. Two known species, *Camerobia australis* Southcott and *Neophyllobius ornatus* Womersley, are redescribed and new data are provided. A key to the described species of Camerobiidae known from Australia and an updated list of *Neophyllobius* species described since 1991 are provided.

Key words: Raphignathoidea, systematics, taxonomic key

Introduction

The family Camerobiidae currently comprises six described genera (Bolland 1986; du Toit *et al.* 1998; Fan & Zhang 2005), three (*Camerobia*, *Neophyllobius* and *Tycherobius*) of which are known to occur in Australia (Womersley 1940; Southcott 1957; Fan & Walter 2006). The first species of *Camerobia* was discovered in Australia (Southcott 1957; Bolland 1986). Subsequently, five other species were found in the Palaeartic and Oriental Regions (Gerson 1972; Bolland 1986; Fan & Chen 1997; Koç & Kara 2005). *Neophyllobius* is the largest genus of the family with approximately 110 valid species names and is found in the Afrotropical, Australian, Nearctic, Neotropical, Oriental and Palaeartic Regions (Bolland 1991; Fan & Zhang 2005). Only one species of *Neophyllobius* has been described from Australia (Womersley 1940). The four described