

## Two new species of *Baeus* (Hymenoptera: Scelionidae) from South-eastern Brazil parasitoids of *Anelosimus* (Araneae: Theridiidae)

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### Abstract

Two new species, *Baeus anelosimus* sp. nov. and *Baeus jabaquara* sp. nov., are described and illustrated from specimens reared from eggs of the subsocial spider species *Anelosimus studiosus* and *A. jabaquara* respectively. They mainly differentiate based on habitus, body color, pilosity, antennal morphology, and wing venation. An identification key is provided.

**Key words:** *Baeus*, parasitoids, spiders, egg sacs, *Anelosimus*

### Introduction

The genera *Apobaeus*, *Baeus*, *Idris* and *Odontacolus* (Scelioninae: Baeini), include species that develop as primary, solitary, endoparasitoids of spider eggs. *Baeus*, with worldwide distribution contains 25 species (Johnson 2004). The genus is represented by five species in the Neotropical region and two in the Andean region, according to the new biogeographic scheme (Morrone 2001), all of them associated with spiders of the families Araneidae and Theridiidae (Brèthes 1913; Dozier 1931; Girault 1915; Ogloblin 1957; Loíacono 1973; Loíacono & Margaría 2004). However, the fauna of the neotropics remains poorly known. The first Brazilian species, for example, was not described until 2004 (Loíacono & Margaría 2004).

This is the first known record of *Baeus* parasitizing eggs of *Anelosimus* Simon (Theridiidae). Females of *Anelosimus* take care of their egg sacs until the emergence of the spiderlings (e.g. Nentwig & Christenson 1986; Ito & Shinkai 1993; Furey 1998; Marques *et al.* 1998) (Fig. 1). The presence of *Baeus* in egg sacs of these spiders indicates that the