


# New Eastern Australian Species in the Wolf Spider Genus *Artoriopsis* (Araneae, Lycosidae, Artoriinae)

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**ABSTRACT.** *Artoriopsis* Framenau, 2007 is an Australian wolf spider (Lycosidae Sundevall, 1833) genus in the subfamily Artoriinae Framenau, 2007. One of its species, *A. expolita* (L. Koch, 1877), has recently been introduced to New Zealand. Five new species of *Artoriopsis* Framenau, 2007 are described here, *A. bogabilla* sp. nov. (males only); *A. lacustris* sp. nov. (male only), *A. orientalis* sp. nov. (males and females)—all only known from New South Wales—*A. mulier* sp. nov. (female only) from Canberra, Australian Capital Territory, and *A. murphyi* sp. nov. (male only) from Deal Island, Tasmania.

## Introduction

The wolf spider genus *Artoriopsis* Framenau, 2007 is an Australian genus although one species, *A. expolita* (L. Koch, 1877), has apparently been introduced to New Zealand (Vink & Thorpe, 2013). It is one of five described genera in the subfamily Artoriinae Framenau, 2007 occurring in Australia in addition to *Artoria* Thorell, 1877, *Diahogna* Roewer, 1960, *Kangarosa* Framenau, 2010 and *Tetrallycosa* Roewer, 1960 (Framenau, 2007). Amongst these genera, *Artoriopsis* species can easily be distinguished by their distinct light lateral bands on the carapace and their abdominal colouration with a central diamond-shaped black patch that is cut into half by the light median cardiac mark. There is a posterior light

patch in most species (Framenau, 2007; see Figs 1A, 3A, 4A). *Artoriopsis whitehouseae* Framenau, 2007 is the only species with a more uniform dark colouration, but genital morphology generally matches other species in the genus, particularly the basoembolic apophysis of the male pedipalp, that is basally narrower or as narrow as apically (Framenau, 2007).

Currently, seven species of *Artoriopsis* are described, but recent investigations of artoriine wolf spider material as part of a revision of *Artoria* Thorell, 1877 in New South Wales and ACT (Framenau & Baehr, 2018) recovered more species in the genus. In addition, the male of an undescribed *Artoriopsis* was recently discovered on Deal Island, Tasmania. The aim of this study is to describe these five new Australian species of *Artoriopsis*.

**Keywords:** Taxonomy; systematics; new species; Tasmania; Deal Island; New South Wales; Australian Capital Territory

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