

New species of *Chauhanellus* (Monogenoidea, Platyhelminthes) from the gills of Southern Atlantic marine catfishes (Siluriformes, Ariidae) of the Neotropical region

MARCUS V. DOMINGUES^{1,2} & KARIN H. FEHLAUER^{1,3}

¹Laboratório de Helmintologia Evolutiva, Universidade de São Paulo, Instituto de Biociências, Departamento de Zoologia, Rua do Matão, trav. 14, nº 321 Cidade Universitária, 05508-900, São Paulo, SP, BRAZIL.

²Postdoctoral fellow from the Fundação de Amparo à Pesquisa ao Estado de São Paulo (FAPESP)

³Doctoral fellow from the Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES)

Abstract

Two new species of *Chauhanellus* Bychowsky & Nagibina, 1969 (Dactylogyridae: Ancyrocephalinae) are described from the gills of marine catfishes from the Southwestern Atlantic: *Chauhanellus neotropicalis* n. sp. from *Aspistor luniscutis* (Valenciennes, 1840), and *Chauhanellus boegeri* n. sp. from *Genidens barbatus* (Lacépède, 1803) and *Genidens genidens* (Cuvier, 1829). This is the first report of species of *Chauhanellus* in the Atlantic waters and the Neotropical region.

Key words: Monogenoidea, Dactylogyridae, Ancyrocephalinae, *Chauhanellus neotropicalis* n. sp., *Chauhanellus boegeri* n. sp., Siluriformes, *Aspistor luniscutis*, *Genidens barbatus*, *Genidens genidens*.

Introduction

The Ariidae is composed by approximately 153 species of fishes. Members of this family inhabit mainly marine environments of the subtropical and tropical seas, although many species occasionally enter or are restricted to freshwater. Few species of Monogenoidea have been recorded from marine catfishes of the Neotropics. In a recent revision, Kohn & Paiva (2000) reported only three species as parasites of South American marine catfishes: *Fridericianella ovicola* Brandes, 1894 (Calceostomatidae) from the eggs of *Genidens barbatus* (Lacépède, 1803) [= *Arius commersonii* (Lacépède, 1803)], Rio Grande do Sul, Brazil; *Neomurraytrematoides proops* Fuentes & Ochoa, 1993 (Dactylogyridae) from the gills of *Hexanematichthys proops* (Valenciennes, 1840) [= *Arius proops* (Valenciennes,