



## ***Chromaspirina guanabarensis* sp. n. (Nematoda: Desmodoridae) and a new illustrated dichotomous key to *Chromaspirina* species**

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### **Abstract**

A new species of *Chromaspirina* is described from Bica Beach, a polluted beach situated at Ilha do Governador, Guanabara Bay on the coast of Rio de Janeiro (Brazil). The new species belongs to the group of species within the genus which bears a poorly developed dorsal tooth. The new species is characterized by large body size, conoid tail shape, small acute dorsal tooth, long slender spicules with sclerotised hooked *capitulum*, and sexual dimorphism of the non-striated part of the tail. A new illustrated dichotomous key to males of species of *Chromaspirina* is proposed.

**Key words:** marine nematodes, free-living, taxonomy, Guanabara Bay, Bica Beach, Brazil

### **Resumo**

Uma nova espécie de *Chromaspirina* é descrita para a Praia da Bica, uma praia poluída localizada na Ilha do Governador, Baía de Guanabara, na costa do Rio de Janeiro (Brasil). Esta nova espécie pertence ao grupo de espécies que possui um dente dorsal pouco desenvolvido e é caracterizada pelo seu grande tamanho, a forma cônica da cauda, o dente dorsal pequeno e pontiagudo, espícula delgada e longa com *capitulum* esclerotizado e em forma de gancho e o dimorfismo sexual na região não-estriada da cauda. Uma chave dictômica e ilustrada para os machos das espécies do gênero *Chromaspirina* é proposta.

**Palavras-chave:** nematódeos marinhos, vida-livre, taxonomia, Baía de Guanabara, Praia da Bica, Brasil

### **Introduction**

A new species of the genus *Chromaspirina* was found during the assessment of meiofauna (including nematodes) conducted as part of a larger project on “Biomonitoring of sandy beaches of Guanabara Bay after the oil spill in January 2000” (Michel, 2001). This paper presents a description of the new species. The genus and its constituent species are reviewed, and a new illustrated dichotomous key to valid species of *Chromaspirina* for males is presented.