



A new species of *Cheiriphotis* (Crustacea : Amphipoda: Corophiidae: Protomedeiinae) from the coast of Southeastern Brazil, with a key to species in the genus

MARIA TERESA VALÉRIO-BERARDO¹, ANA MARIA THIAGO DE SOUZA² &
CARINA WAITEMAN RODRIGUES²

¹Universidade Presbiteriana Mackenzie, CCBS, Rua da Consolação 896, CEP 01302-907, São Paulo, SP, Brasil.
E-mail: valberardo@mackenzie.com.br

²Universidade de São Paulo, Instituto Oceanográfico, Praça do Oceanográfico, 191, 05508-900, São Paulo, SP, Brasil

Abstract

A new species of the *Cheiriphotis*, *C. neotropicalis* n. sp. is herein described. The specimens were collected from the coast of southeastern Brazil at the latitude 24°07'S and in 17 meters deep. *Cheiriphotis neotropicalis* sp. nov. is characterized by male gnathopod 2 palm transverse with three rounded lobes separated by excavations, a strong spine at defining corner of the palm to hind margin; uropod 3 uniramous, ramus with 2 robust setae on inner margin and 1 distal robust seta, 5 long setae on distal margin; telson broader than long, lateral margin naked. A key to the species in the genus *Cheiriphotis* is provided.

Key words: *Cheiriphotis*, Amphipoda, new species, taxonomy, Brazil

Introduction

The genus *Cheiriphotis* is one of five genera within the subfamily Protomedeiinae (Family Corophiidae) Myers and Lowry (2003). The genus, established by Walker (1904), contains actually 13 described species. The genus *Cheiriphotis* is considered cosmopolitan, and species of the genus are recorded from circumtropical and warm-temperate Oceans between depths of 0 to 794 meters (Barnard and Karaman 1991). This paper describes a new species, *Cheiriphotis neotropicalis* from coastal shelf of Brazil (24°73'S – 46°37'W), collected during an exploration project of benthic invertebrates (ECOSAN Project) in 17 meters deep. Previously only one species, *Cheiriphotis megacheles* of the genus was recorded, in 23°48'S (Valério-Berardo and Myagi, 2000), and the present paper extends distribution of the genus *Cheiriphotis* into the southwestern Atlantic Ocean. A key to the species of *Cheiriphotis* is provided. Type material is deposited in the Museu de Zoologia, Universidade de São Paulo (MZUSP) and Museu Nacional, Universidade Federal do Rio de Janeiro (MNRJ). The crustacean setae classification proposed by Watling (1989) is here adopted. Abbreviations used for the figures are as follows: **HA**, habitus; **Md**, mandible; **Mxl**, maxilla; **Mxlp**, maxilliped; **P**, pereopod; **Gnt**, gnathopod; **U**, uropod; **T**, telson.

Systematics

Family Corophiidae Leach, 1814

Subfamily Protomedeiinae Myers & Lowry, 2003