

253- Morphological remarks of *Callichirus* aff. *major* (Say, 1818) (Decapoda: Callianassidae) from the Brazilian coast: partial outcomes

Rio, JPP^{1,2,*}; Matsunaga, AMF^{1,2}; Pinheiro, MAA^{1,2} & Hernández, P^{1,3}

¹CRUSTA/CLP-UNESP, ²Programa de Pós-graduação em Biodiversidade Aquática/ CLP-UNESP,

³Centro de Estudios Marinos y Limnológicos/ UTA-Chile, *julianario.bio@gmail.com

Callichirus major (Say, 1818) is one of the most remarkable ghost shrimp of the sandy beaches from the western Atlantic, that occurs from North Carolina (USA) to southern of Brazil. The present study analyzes the morphological features of specimens of *Callichirus* assigned to *C. major* collected at São Paulo State, Southeast coast of Brazil. Our results reveal that *C. major* is characterized by the presence of a small triangular rostrum; eyestalks slightly set apart from posterior margin of the subterminal cornea, with truncated projection slightly diverging laterally, antennular peduncle article 2 exceeding antennal peduncle article 4, upper margin of antennular and antennal peduncle articles non-setose. The first pereopod is extremely dissimilar in adult males but slightly unequal in adult females. Larger cheliped in males has a dactylus with a bifid tip and a tooth on inner margin, fixed finger with a big medial tooth on inner margin and the presence of a meral hook with dentate surface. Smaller cheliped characterized by medial carinae on lateral margin of carpus. Pleopods 1-2 are sexually dimorphic, and telson with two lateral projections on each side. A comparative study that will help us to confirm if the large population of *Callichirus major* along the Brazilian coast actually encloses to one complex of species is underway.

Palavras-chave: Decapoda, morphology, taxonomical status.

Agência Financiadora: FAPESP (2015/09020-0)