May 03, 2021.

Dear Editor-in-chief of Oecologia Australis,

We are enclosed submitting the manuscript entitled “**Pagurized gastropod shells in a northeast Brazilian coastal lagoon at the sea-estuary interface: temporal variation diversity and new ecological reports**” written by Moraes, Vale, Alencar and Freire to be analyzed by the editorial board of this journal.

Coastal lagoons are considered biodiversity hotspots and relevant areas of recruitment in the sea-estuaries interface. In fact, besides this relevant arguments, coastal lagoon are scares in literature and aspects of biodiversity and ecology are virtually know for some taxonomic groups or ecological process. This manuscript aimed to checklist and seasonally analyze the pagurized shells from a coastal lagoon with seasonally connection with sea and estuary in Northeast Brazil, in terms of biodiversity and shells used for hermit crabs. Pagurized shells are relevant information for hermit crabs assemblage structure and a background for the gastropod assemblage structure. In addition, we discuss usage patterns of these biogenic remains and state the first record in the Brazilian Northeast of the hermit crab *C. symmetricus*, after its taxonomic resurgence.

This manuscript was not published anywhere and it is not under consideration in any other periodical. This submission was allowed by our institution (UFRN and URCA, Brazil), where this study was accomplished. All authors agree with the publication fee of Oecologia Australis. The corresponding author is Msc. Sávio Arcanjo Santos Nascimento Moraes.

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We kindly ask you to acknowledge the receipt of this manuscript, please.

Sincerely,

Dr. Sávio Arcanjo Santos Nascimento Moraes

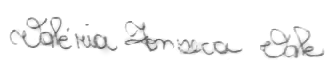
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Author´s agreement



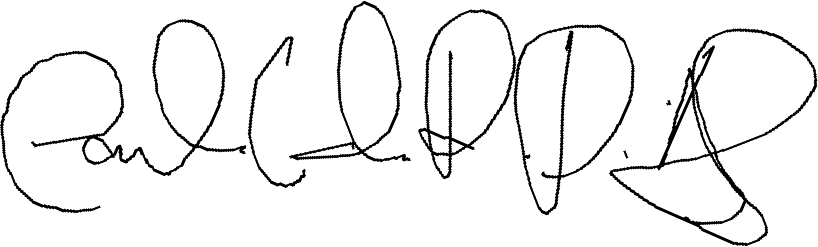
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Sávio A. S. N. Moraes

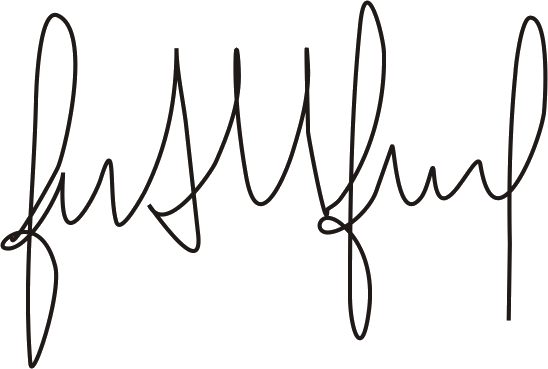


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Valéria F. Vale



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Fúlvio A. M. Freire