

# Review of: "Reef Fish in the Vitória-Trindade Seamount Chain of the Southwestern Atlantic: Biogeographical Corridors and Impact of Fishing"

Sergio Flores<sup>1</sup>

<sup>1</sup> Universidad Autónoma de Baja California Sur

Potential competing interests: No potential competing interests to declare.

The scientific report titled "Reef Fish in the Vitória-Trindade Seamount Chain of the Southwestern Atlantic: Biogeographical Corridors and Impact of Fishing," by authors Agnaldo Martins, George Olavo, and Paulo Alberto Silva Costa, is reviewed below. The report would benefit from significant improvements in clarity. It is advised to seek the assistance of a native English speaker to refine the language further.

The reviewer strongly suggests adopting a more rigorous statistical approach in handling fish presence and abundance data. It is recommended to replace Tables 1 and 2 with more informative elements such as rarefaction and species accumulation curves, along with tables presenting Chao richness indices and parameterized estimates of their confidence intervals. Additionally, conducting paired comparisons of Bray Curtis similarity indices is advised.

Although the report mentions significant disparities in results compared to those obtained from fish community censuses using scuba diving, it lacks a formal comparison between the outcomes of the two sampling methods. To achieve more concise conclusions, it is recommended to undertake such a comparison.