

Dr. Fernando Álvarez Noguera
Editor-in-Chief
Revista Mexicana de Biodiversidad

March 17, 2020

Dear Dr. Álvarez Noguera

I am pleased to submit an original research article entitled **“Spatial and temporal variation of fish assemblage structure in a Neotropical Mexican River”** by V. Mar Silva, Y. Herrerias Diego, M. Medina Nava, J. P. Ramírez Herrejón, L. Mendoza Cuenca, R. Hernández Morales and O. Domínguez Domínguez for consideration to publication in *Revista Mexicana de Biodiversidad*.

In this manuscript, we show that the non-native fish species are dominant in the fish assemblage of Teuchitlán River and the invasive *Pseudoxiphophorus bimaculatus* was the dominant species. Therefore, the cumulative importance value of non-native species was greater than 50% in all sites and seasons. Also, we found a fish diversity and abundance shift upstream to downstream following the human perturbation gradient in the river. This is a severe threat for Teuchitlán River, a site with a highly diverse of fish species (at least four endemics) where an alarming fish defaunation has occurred, with the loss of 66% of the native species.

We believe that this manuscript is appropriate for publication by *Revista Mexicana de Biodiversidad* because we characterized the fish assemblage and their variation along two years, and we inferred their relationship with water variables associated with anthropization. Which is a keystone in the management of introduced species in neotropical environments and thereby enhance the conservation programs of native fish species. This is fundamental in the study of neotropical ichthyofauna biodiversity under nowadays human changing conditions, that we consider are part of the aims and scope of *Revista Mexicana de Biodiversidad*.

This manuscript has not been published and is not under consideration for publication elsewhere. We have no conflicts of interest to disclose. We declare that all coauthors are aware of and agree with the present submission. If you determine that the manuscript is appropriate for your journal, we suggest the following reviewers:

Ph. D. Norman Mercado Silva

CIByC, UAEM
Av. Universidad 1001, Col. Chamilpa
Cuernavaca, Morelos 62209 México.
Phone (777) 329-70 00 Ext. 3305
Email: norman.mercado@uaem.mx

Ph. D. Rodrigo Moncayo Estrada

Instituto Politécnico Nacional, CICIMAR Centro Interdisciplinario de Ciencias Marinas
Colección Ictiológica, La Paz, Baja California Sur, México
Email: rmoncayo@ipn.mx

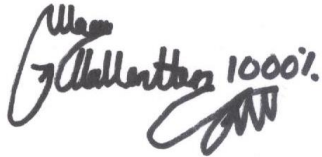


Ph. D. John Lyons

Wisconsin Department of Natural Resources
1350 Femrite Drive
Monona, WI 53716-3736.
E-mail: lyonsj@dnr.state.wi.us

Thank you for your consideration!

Sincerely,



M. Sc. Valentin Mar Silva
Posgrado Institucional de Doctorado en Ciencias Biológicas
Universidad Michoacana de San Nicolás de Hidalgo
Facultad de Biología
Gral. Francisco J. Múgica S/N A-1, Felicitas de Río, 58030
Morelia Mich., MEX 58040
01 443 322 3500 ext. 3033
maresilva@live.com
<https://orcid.org/0000-0003-2590-341X>

