

ISSN 2683-7595 (print) - ISSN 2683-7951 (online)

Marine and
Fishery Sciences
MAFIS

formerly *Revista de Investigación
y Desarrollo Pesquero*

Vol. 34 (1), January-June 2021



Mar del Plata, Argentina

Journal of the
INIDEP
INSTITUTO NACIONAL DE INVESTIGACIÓN
Y DESARROLLO PESQUERO

Marine and Fishery Sciences

Formerly *Revista de Investigación y Desarrollo Pesquero*

Marine and Fishery Sciences (MAFIS) is an Open Access Journal edited by the Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP) that publishes peer-reviewed articles of original investigations in the following categories: *Original Research Papers, Reviews, Notes and Technical Papers*. It is published two times a year aiming all work and studies on applied or scientific research within the many varied areas of the marine sciences and fisheries, aquaculture, oceanography and marine technologies including conservation, environmental impact and social-related aspects that directly or indirectly affect to human populations. Young scientists are particularly encouraged to submit short communications based on their own research. The quality of the journal is guaranteed by the editorial and advisory boards, consisting of leading researchers in the field of marine sciences. Please read the instructions below for brief details on the Journal's requirements for manuscripts or visit the Journal website <https://ojs.inidep.edu.ar> for full and updated Author Guidelines.

Honorary Editor

Enrique E. Boschi

Editor-in-Chief

Eddie O. Aristizabal Abud

(Instituto Nacional de Investigación y Desarrollo Pesquero, Universidad Nacional de Mar del Plata, Argentina)

Co-Editor-in-Chief

Marcela L. Ivanovic

(Instituto Nacional de Investigación y Desarrollo Pesquero, Argentina)

Associate Editors

Federico Bernasconi (Subsecretaría de Pesca y Acuicultura, Argentina)
Claudio C. Buratti (Instituto Nacional de Investigación y Desarrollo Pesquero, Universidad Nacional de Mar del Plata, Argentina)
Alvar Carranza (Universidad de la República, Uruguay)
Rodolfo Elías (Universidad Nacional de Mar del Plata, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
Diego A. Giberto (Instituto Nacional de Investigación y Desarrollo Pesquero, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
Raúl González (Universidad Nacional del Comahue, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
Mónica Hoffmeyer (Universidad Nacional del Sur, Instituto Argentino de Oceanografía, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
Andrea López Cazorla (Universidad Nacional del Sur, Instituto Argentino de Oceanografía, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
Juan J. López Gappa (Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
Estela Lopretto (Universidad Nacional de La Plata, Argentina)
Gustavo Lovrich (Centro Austral de Investigaciones Científicas, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)

Luis Lucifora (Universidad Nacional del Litoral, Instituto Nacional de Limnología, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
Alejandro S. Mechaly (Instituto Nacional de Investigación y Desarrollo Pesquero, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
Fernando R. Momo (Universidad Nacional de General Sarmiento, Argentina)
Nora Montoya (Instituto Nacional de Investigación y Desarrollo Pesquero, Argentina)
Nicolás Ortiz (Instituto de Biología de Organismos Marinos, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
Juan C. Quiroz Espinosa (University of Tasmania, Institute for Marine and Antarctic Studies, Australia)
Lila Ricci (Universidad Nacional de Mar del Plata, Argentina)
María Salhi (Universidad de la República, Uruguay)
Alicia V. Sastre (Universidad Nacional San Juan Bosco, Argentina)
Gaspar Soria (Centro para el Estudio de Sistemas Marinos, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
Marisa Villian (Instituto Nacional de Tecnología Industrial, Argentina)
Gabriela Williams (Centro para el Estudio de Sistemas Marinos, Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)

International Scientific Board

Patricio Arana Espina (Pontificia Universidad Católica de Valparaíso, Chile)
Hugo Arancibia (Universidad de Concepción, Chile)
Francisco Arreguín Sánchez (Instituto Politécnico Nacional, México)
Martín Bessonart (Universidad de República, Uruguay)
Ramiro Castillo Valderrama (Instituto del Mar del Perú, Perú)

Luis Cubillos (Universidad de Concepción, Chile)
Juan M. Estrada (Universidad Andrés Bello, Chile)
Nidia N. Fabrè (Universidade Federal de Alagoas, Brasil)
Alfonso Mardones Lazcano (Universidad Católica de Temuco, Chile)
Otto C. Wölher (Instituto Nacional de Investigación y Desarrollo Pesquero, Argentina)

Secretary

Paula E. Israilson

Deseamos canje con publicaciones similares
Desejamos permutar com as publicações congêneres
On prie l'échange des publications
We wish to establish exchange of publications
Austausch erwünscht

INSTITUTO NACIONAL DE INVESTIGACIÓN Y DESARROLLO PESQUERO (INIDEP),
Paseo Victoria Ocampo N° 1, Escollera Norte, B7602HSA - Mar del Plata, ARGENTINA
Tel.: 54-223-486 2586; Fax: 54-223-486 1830; E-mail: c-editor@inidep.edu.ar
Printed in Argentine - ISSN 2683-7595 (print), ISSN 2683-7951 (online)

ISSN 2683-7595 (print)
ISSN 2683-7951 (online)

Journal of the
**Instituto Nacional de Investigación y Desarrollo Pesquero
(INIDEP)**



Ministerio de Agricultura,
Ganadería y Pesca
Argentina

República Argentina

Open Access. This Journal offers authors an Open Access policy. Users are allowed to read, download, copy, distribute, print, search, or link to the full texts of the articles, or use them for any other lawful purpose, without asking prior permission from the publisher or the author. This is in accordance with the BOAI definition of Open Access.



All content in this journal is distributed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.

ISSN 2683-7595 (print), ISSN 2683-7951 (online)

First edition: January-June 2021

First print: 250 copies

Printed in Argentina

Layout and design: Paula E. Israilson

Printed by INIDEP, Paseo Victoria Ocampo N° 1, Escollera Norte, B7602HSA - Mar del Plata, June 2021.

Marine and Fishery Sciences Vol. 34 (1)

Mar del Plata, República Argentina

Cover: *Caulleriella galeanoi*. Photo courtesy of Rodolfo Elías, taken by Mónica Oppedisano and colored by Hugo Benavides.

Indexed or abstracted in: Agrindex; AquaDocs; Aquatic Sciences and Fisheries Abstracts (ASFA); BASE; CORE; Crossref; Dimensions; Directory of Open Access Journals (DOAJ); Google Scholar; AmeliCA; Red Iberoamericana de Conocimiento Científico (REDIB); WorldCat; Zoological Record (BIODOSIS Databases); among others.

Open Access download also at: MarAbierto INIDEP Institutional E-Repository <http://marabierto.inidep.edu.ar>;
AquaDocs E-Repository of Ocean Publications <https://aquadocs.org/handle/1834/1355>

Disclaimer. The Publisher and Editors cannot be held responsible for errors or any consequences arising from the use of information contained in this journal; the views and opinions expressed do not necessarily reflect those of the Publisher and Editors. Likewise, the reference made to trademarks is only circumstantial and does not imply, as far as INIDEP is concerned, any kind of recommendation or evaluation of the product in question or the manufacturing company.

Marine and Fishery Sciences

Vol. 34 (1), January-June 2021

AUTHOR GUIDELINES

GENERAL CONSIDERATIONS

Peer review

This Journal operates a double blind review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then typically sent to three independent expert reviewers to assess the scientific quality of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final.

Use of word processing software

It is important that the file be saved in a format compatible with Microsoft Word 2003-2007 processor. The texts should be in single-column form line-numbered. Keep the layout of the text as simple as possible. When preparing tables, if you are using a table grid, use only one grid for each individual table and not a grid for each row. If no grid is used, use tabs, not spaces, to align columns. Source files of figures, tables and text graphics may be required for final formatting.

Structure

Manuscript should arranged in the following order: **Title page** should include a Running Head with no more than 50 characters, Title, Author(s), Affiliation, Address(es), e-mail and telephone from the corresponding author; **Abstract page** with an Abstract not exceeding 200 words, and up to six Key words; **Main text** should include an Introduction, Materials and Methods, Results, Discussion, Acknowledgements, References, Figure Legends, Tables, Figures and Appendices. If work is written in Spanish, please provide an Abstract and key words in English also. Please follow the Aquatic Science & Fisheries Thesaurus (<https://agrovoc.fao.org/skosmosAsfa/asfa/es/?clang=en>) for guidance.

Submission

Original manuscript for consideration including text, tables and figures should be uploaded to MAFIS (<https://ojs.inidep.edu.ar>) previous registration. If any problem uploading submission, please contact Editorial Committee (c-editor@inidep.edu.ar). All correspondence, including notification of the Editor's decision and requests for revision, is sent by e-mail. Please suggest the names, institutions and e-mail addresses of up to four potential reviewers from different countries in the research field of the paper. The works that do not adapt to the standards set by the Editorial Committee will not be considered.

Papers must be original contributions written in Spanish or English. The text will be typed double-spaced on A4 sheets of white paper, Times New Roman typography, body 11 points, with numbered lines are encouraged.

For the use of abbreviations and units the Typographic Code adopted by the FAO and the International System of Units (SI) must be followed (<http://physics.nist.gov/cuu/Units/units.html>).

Tables, figures and photographs

Tables and figures will be presented individually with their respective epigraphs in Times New Roman typography. All figures must be provided in electronic format. Please save vector graphics (e.g. line artwork) in Encapsulated Postscript Format (EPS) and bitmap files (e.g. halftones) or clinical or in vitro pictures in Tagged Image Format (TIFF). Further information can be obtained at the Journal website <https://ojs.inidep.edu.ar>.

REFERENCES

The Council of Scientific Editors (CSE) citation style should be followed: *Name-Year (N-Y) system (Scientific style and format: the CSE manual for authors, editors, and publishers. 2014. 8th ed. Chicago (IL): University of Chicago Press).*

ACCEPTANCE OF A MANUSCRIPT FOR PUBLICATION

Authors submitting a paper do so on the understanding that the work has not been published before, is not being considered for publication elsewhere and has been read and approved by all authors. Proofs will be sent via e-mail as an Acrobat PDF (portable document format) file. The e-mail server must be able to accept attachments up to 4 MB in size. Corrections must be returned within one week of receipt.

Contents

Original research papers

- Baseline on-site information on coastal recreational fishery and comparison with competitive events in Ilhéus, southern Bahia, Brazil** 5
Kátia Meirelles Felizola Freire and Gecely Rodrigues Alves Rocha

- Characterization of hydrocarbon degrading bacteria at EPEA station, South Atlantic coast** 21
Silvia R. Peressutti

Review

- Los poliquetos como indicadores biológicos en Latinoamérica y el Caribe** 37
Rodolfo Elías, Nuria Méndez, Pablo Muniz, Rossana Cabanillas, Carlos Gutiérrez-Rojas, Nicolas Rozbaczylo, Mario H. Londoño-Mesa, Paulina Javiera Gárate Contreras, Maritza Cárdenas-Calle, Francisco Villamar, Juan J. A. Laverde-Castillo, Kalina M. Brauko, Mariana Araki Braga, Paulo da Cunha Lana y Oscar Díaz-Díaz

Notes

- Kirchenpaueria halecioides* (Cnidaria: Hydrozoa): a non-native hydroid in the coast of Buenos Aires, Argentina** 109
Gabriel Genzano and Pablo E. Meretta

- Leatherback turtles (*Dermochelys coriacea*) in the Gulf of Venezuela: an updated stranding assessment 2001-2014** 113
Daniela Rojas-Cañizales, Nínive Espinoza-Rodríguez, María A. Rodríguez, Jordano Palmar, María G. Montiel-Villalobos, Natalie E. Wildermann and Héctor Barrios-Garrido

- Note of appreciation** 121
Editorial Committee