

51
2021

~ CERCETĂRI MARINE ~
RECHERCHES MARINES



NATIONAL INSTITUTE FOR MARINE RESEARCH AND
DEVELOPMENT "GRIGORE ANTIPA" CONSTANȚA

ISSN: 0250-3069
ISSN-L: 0250-3069

CERCETĂRI MARINE/RECHERCHES MARINES publishes original scientific contributions related to the marine and coastal environment. Published continuously since 1971.

*Copyright 2021, National Institute for Marine Research and Development
„Grigore Antipa” All rights reserved.*



The content is licensed under a Creative Commons Attribution 4.0 International License.

Published one time a year by the
National Institute for Marine Research and Development „Grigore Antipa”
900581, Constanta, Romania, 300 Mamaia Boulevard
Tel: +40 241 540870, Fax: + 40 241 831274
E-mail: marine-research-journal@alpha.rmri.ro
For more information visit our web page: www.marine-research-journal.org

Cercetări Marine/Recherches Marines is indexed in EBSCO Central&Eastern European Academic Sources, CAB Abstracts database produced by CABI, Open Academic Journals Index (OAJI), Google Scholars.

Editor-in-Chief

Dr. Mariana Golumbeanu, NIMRD “Grigore Antipa”
E-mail: mgolumbeanu@alpha.rmri.ro

Executive Director

Dr. Magda-Ioana Nenciu, NIMRD “Grigore Antipa”
E-mail: mnenciu@alpha.rmri.ro

Technical Secretary

PhD candidate Elena Bișinicu, NIMRD “Grigore Antipa”
E-mail: ebisinicu@alpha.rmri.ro

International Editorial Board Members and Reviewers

Valeria Abaza (Romania)
Daniela Banaru (France)
Alexandru Bologa (Romania)
Corina Ciocan (United Kingdom)
Antonis Kokkinakis (Greece)
Luminița Lazăr (Romania)
Carmen Maftai (Romania)
Aurelia Meghea (Romania)
Nataliya Milchakova (Russian Federation)

Liliana Moga (Romania)
Snejana Moncheva (Bulgaria)
Dumitru Morariu (Romania)
Lyne Morissete (Canada)
Florin-Marius Nicolae (Romania)
Simion Nicolaev (Romania)
Victor Nita (Romania)
Bayram Ozturk (Turkey)
Evangelos Papathanassiou (Greece)
Ticuta Negreanu-Pirjol (Romania)
Vasile Patrascu (Romania)
Elissaveta Lazarova Peneva (Bulgaria)
Eugen Rusu (Romania)
Marius Skolka (Romania)
Emil Stanev (Germany)
Vasile Stegarescu (Moldova)
Angheluta Vadineanu (Romania)
Ashok Vaseashta (United States of America)
Tania Zaharia (Romania)

PUBLICATION INFORMATION

CERCETĂRI MARINE/RECHERCHES MARINES is an open access international journal which publishes papers on all aspects of marine and coastal environment, preferably but not only from the Black Sea basin area. Minimum two international referees review each manuscript. International Editorial Board members advice the editors on the selection of supplementary referees.

The types of papers that can be submitted for consideration by the International Editorial Board are:

a) ORIGINAL SCIENTIFIC PAPERS:

Should report only original results. They are limited to 20 printed pages (80,000 characters). The publication of larger articles is subjected to the Editor's agreement.

b) REVIEW ARTICLES:

They should be invited by the Editor. They should be concise / up to 25 printed pages (100,000 characters), critical and creative. They should seek to stimulate topical debate and new research initiatives. Prospective authors are asked to send an extended abstract (two pages maximum) of their paper to the Editor by e-mail. The abstract should outline why the review is topical, its main points and objectives, and how it will stimulate debate and research. When the proposal has been accepted by the Reviews Editor, he will invite the author to submit a manuscript within an agreed time limit and following the general guidelines for submission of standard papers.

c) SHORT COMMUNICATIONS:

Short communications, which do not occupy more than four printed pages (16,000 characters) are short papers that present original and significant material for rapid dissemination and addressing new ideas, controversial opinions, "negative" results and much more.

d) CONFERENCE PAPERS:

Conference papers should report only original results which were presented on the conferences and symposia. They should be submitted as like as original research papers.

MISCELLANEOUS:

e) Anniversaries, evocations, personalities, *varia, in memoriam*, editorial signal, reviews. They are limited to 10 printed pages (40,000 characters). The publication of larger articles is subjected to the Editor's agreement.

Acceptance of papers: Papers will normally be critically reviewed by two experts in relevant disciplines and evaluated for publication by the Editor; however, the Editor may return to authors without review any manuscripts deemed to be inadequate quality or inappropriate for the journal.

CONTENTS

GIS-Based Assessment of the Romanian Marine and Coastal Areas Hydrodynamical Characteristics as Part of Maritime Spatial Planning <i>(Dragoş Niculescu, Elena Vlăsceanu, Dragoş Marin, Răzvan Mateescu)</i>	6
Evaluation of the Water Masses Mixing Process in the Area of Danube River Discharge <i>(Elena Vlăsceanu, Eugen Rusu, Răzvan Mateescu)</i>	14
Hazardous Substances Assessment in Black Sea Biota <i>(Andra Oros, Valentina Coatu, Leyla Gamze Tolun, Hakan Atabay, Yuriy Denga, Nicoleta Damir, Diana Danilov, Ertuğrul Aslan, Maryna Litvinova, Yurii Oleinik, Volodymyr Kolosov)</i>	27
Assessment of the Marine Litter on the Romanian Black Sea Beaches <i>(Elena Stoica, Magda Nenciu, Silvia Mădălina Creangă, Mihaela Cosmina Tănase, Dragoş Marin, Andreea Mădălina Ciucă, Vasile Pătraşcu)</i>	49
The Status of the Sedimentary Benthic Broad Habitats and their Associated Communities in the Romanian Marine Area in 2020 <i>(Valeria Abaza, Camelia Dumitrache, Adrian Filimon)</i>	64
Analysis of the Ecological Condition of Water and Bottom Substrates Biotesting Method on Microalgae <i>(Olga Semenova)</i>	80
Comparative Aspects on the Metallic and Organic Contaminants Content of the Red Alga <i>Pyropia leucosticta</i> (Thuret) Neefus & J. Brodie, 2011 Obtained under Laboratory-Controlled Conditions and Natural Environment <i>(Oana Marin, Valentina Coatu, Andra Oros, Nicoleta Damir)</i>	92
The Assessment of the Mesozooplankton Community from the Romanian Black Sea Waters and the Relationship to Environmental Factors <i>(Elena Bişinicu, Valeria Abaza, Victor Cristea, George Emanuel Harcotă, Luminița Lazar, Cristina Tabarcea, Florin Timofte)</i>	108
Observations on Bycatch Rate for Vulnerable Fish Species on the Romanian Coast <i>(Mădălina Galaţchi, George Țiganov, Cristian Sorin Danilov, Cătălin Valentin Păun, Marina Panayotova)</i>	129
Degree of Nematodes Worm Infection in Pelagic Fish Populations from the Romanian Black Sea waters <i>(Aurelia Țoțoiu, Victor Niță, Valeria Abaza, George Emanuel Harcotă, Elena Bişinicu, Victor Cristea)</i>	140
Let's Talk Seafood: Romanian Acceptability of Marine Aquaculture at a Glance <i>(Magda-Ioana Nenciu, Victor Niță, Fabio Massa, Davide Fezzardi, Linda Fourdain)</i>	156
Local Abundance and Distribution of Phocoenidae and Delphinidae Families in the Black Sea Territorial Waters of Romania <i>(Romulus-Marian Paiu, Costin Timofte, Angelica-Ionela Paiu, Mihaela-Elena Mirea Căndea, Dumitru Murariu)</i>	178
Record of <i>Microeuraphia depressa</i> (Thecostraca: Balanomorpha: Chthamalidae) on the Romanian Black Sea shelf <i>(Adrian Filimon, Valeria Abaza)</i>	188
Physiological Response of Marine Organisms to Polycyclic Aromatic Hydrocarbons Pollution as Useful Tools for Biomonitoring <i>(Diana Danilov, Valentina Coatu)</i>	193