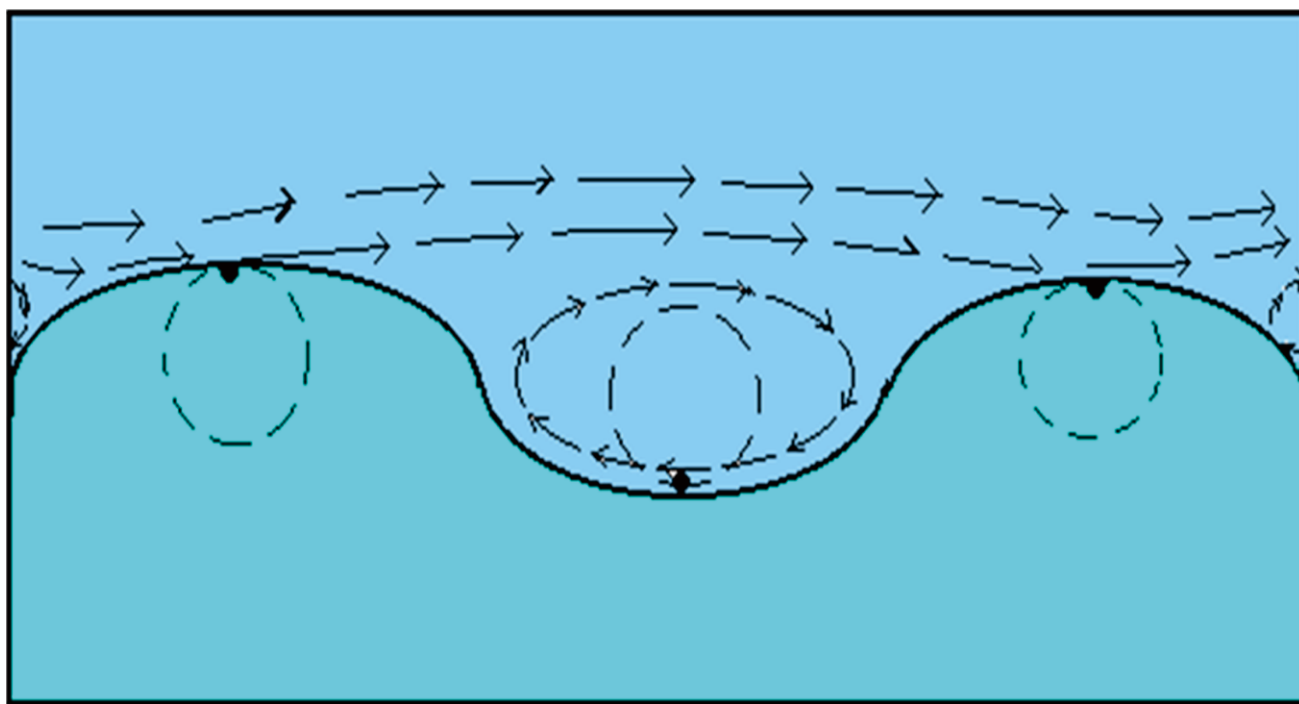


Open Journal of Marine Science



ISSN: 2161-7384



www.scirp.org/journal/ojms

Journal Editorial Board

ISSN 2161-7384 (Print) ISSN 2161-7392 (Online)

<http://www.scirp.org/journal/ojms>

Editor-in-Chief

Dr. Frank Laturnus University of Hamburg, Germany

Editorial Board

Dr. Sala Antonello	National Teseareh Council(CNR)-Institute of Marine Science(ISMAR), Italy
Prof. Mikel A. Becerro	Spanish Scientific Research Council, Spain
Prof. A. Chandrasekar	Science Indian Institute of Space Science and Technology, India
Dr. Eilif Gaard	Faroe Marine Research Institute, Denmark
Dr. Ana García-García	University of California in Santa Cruz, USA
Dr. Nicolas Gratiot	Institut de Recherche pour le Développement, France
Dr. Lijun He	Chinese Academy of Fishery Sciences, China
Prof. Xiaolin Hou	Technical University of Denmark, Denmark
Dr. Alexey Kamyshny	University of Maryland, USA
Dr. George Katselis	Technological Educational Institution of Mesolonghi, Greece
Dr. Chi-Min Liu	General Education Center Chienkuo Technology University, Chinese Taipei
Dr. Yonggang Liu	University of South Florida, USA
Dr. Andrew J. Manning	University of Plymouth, UK
Prof. Mauro Marini	1 CNR Institute of Marine Science, Italy
Dr. Benjamin M. Mwashote	Florida State University, USA
Prof. Jeom Kee Paik	Pusan National University, Korea (South)
Dr. Woo-Sun Park	Korea Ocean Research and Development Institute, Korea (South)
Prof. Hans Ulrik Riisgård	University of Southern Denmark, Denmark
Prof. Laurent Seuront	Flinders University, Austria
Dr. Vandrapu Subrahmanyam	National Institute of Oceanography, India
Dr. W. Lindsey White	AUT University, New Zealand
Dr. Ruixin Yang	George Mason University, USA
Dr. Junjiang Zhu	Chinese Academy of Sciences, China

TABLE OF CONTENTS

Volume 3 Number 2

April 2013

Australia's Out-Dated Concern over Fishing Threatens Wise Marine Conservation and Ecologically Sustainable Seafood Supply	
R. Kearney.....	55
The Asian Green Mussel <i>Perna viridis</i> (Linnaeus 1758): 20 Years after Its Introduction in Trinidad and Tobago	
J. Gobin, J. Agard, J. Madera, A. Mohammed.....	62
Captures and Diet of Three Sharks Species in the Veracruz Reef System	
J. O. Avendaño-Alvarez, H. Pérez-España, D. Salas-Monreal, E. García-Rodríguez.....	66
A Novel Approach for Inferring the Proportion of Terrestrial Organic Matter Input to Marine Sediments on the Basis of TOC:TN and $\delta^{13}\text{C}_{\text{org}}$ Signatures	
A. F. M. Freire, M. C. Monteiro.....	74
The Wave Properties of Zuara Coast and Their Effects on the Marine Navigation	
J. Algraeo, S. Bouaziz.....	93
Assessment of the Selective Properties and Optimization of Mesh Size of Pelagic Trawl Codends, Used for Fishing Mackerel (<i>Trachurus</i> Spp) in the Gulf of Guinea	
N. P. Achille, E. N. Christopher, T. Leopold.....	103
A Depth Wise Diversity of Free Living N_2 Fixing and Nitrifying Bacteria and Its Seasonal Variation with Nitrogen Containing Nutrients in the Mangrove Sediments of Sundarban, WB, India	
S. Das, D. Ganguly, T. K. Maiti, A. Mukherjee, T. K. Jana, T. K. De.....	112
Physical, Biochemical and Biological Characterization of Two Opposite Areas in the Southern Adriatic Sea (Mediterranean Sea)	
A. Campanelli, M. Cabrini, F. Grilli, D. Fornasaro, P. Penna, Z. Kljajić, M. Marini.....	120

The figure on the front cover is from the article published in Open Journal of Marine Science, 2013, Vol. 3, No. 2, pp. 93-102 by Jamal Algraeo and Samir Bouaziz.

Open Journal of Marine Science (OJMS)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Marine Science* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$59 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright©2013 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ojms@scirp.org



Call for Papers

Open Journal of Marine Science (OJMS)

ISSN 2161-7384 (Print) ISSN 2161-7392 (Online)

<http://www.scirp.org/journal/ojms>

Open Journal of Marine Science (OJMS) is an international journal dedicated to the latest advancement of marine science. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of marine science. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy.

Editor-in-Chief

Dr. Frank Laturnus

University of Hamburg, Germany

Subject Coverage

The journal publishes original papers including but not limited to the following fields:

- Estuarine and Coastal Marine Science
- Marine and Freshwater Ecosystems
- Marine and Petroleum Geology
- Marine Biodiversity
- Marine Biology
- Marine Biotechnology
- Marine Chemistry
- Marine Drugs
- Marine Ecology
- Marine Environmental Research
- Marine Genomics
- Marine Geology
- Marine Geophysical Researches
- Marine Mammal Science
- Marine Micropaleontology
- Marine Models
- Marine Policy
- Marine Pollution
- Marine Structures
- Marine Systems
- Molecular Marine Biology and Biotechnology

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/ojms>

E-mail: ojms@scirp.org