



New Challenges in Marine Aquaculture Research

Guest Editors:

Dr. Ana Catarina Matias

Portuguese Institute for the
Ocean and Atmosphere (IPMA),
Olhão, Portugal

Dr. Carlos Andrade

MARE—Marine and
Environmental Sciences
Centre/ARNET—Aquatic
Research Network, Agência
Regional para o
Desenvolvimento da
Investigação Tecnologia e
Inovação (ARDITI), Caminho da
Penteada Edif Madeira
Tecnopolo, 9020-105 Funchal,
Portugal

Deadline for manuscript
submissions:

closed (25 April 2024)

Message from the Guest Editors

Scientific research was greatly challenged by the COVID-19 pandemic, which pressured research institutes to challenge themselves to give a quick answer to the worldwide humanitarian urgent situation. This unpredictable situation triggered a global energy and food crisis, which elevated the calls to urgently invest in food systems to ensure secure, affordable, healthy and nutritious food for a growing population.

Aquatic products are increasingly recognized as key players in these food systems, representing in 2020 more than 60 percent higher than the average in the 1990s, largely due to increasing aquaculture production. Despite significant progresses in marine aquaculture industry, researchers still face great challenges concerning species diversification, animal growth efficiency, climate changes, alternative sources to fishmeal and oil, safeguard of natural resources and reduction of the environmental footprint.

Therefore, marine aquaculture research is vital and requires an integrated approach to develop and strengthen the aquaculture sector to be able to follow the increasing global demand for aquatic foods.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Tony Clare

School of Natural and
Environmental Sciences,
Newcastle University, Newcastle
upon Tyne NE1 7RU, UK

Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q1 (*Engineering, Marine*) / CiteScore - Q2 (*Ocean Engineering*)

Contact Us

*Journal of Marine Science and
Engineering* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jmse
jmse@mdpi.com
X@JMSE_MDPI