



## State-of-the-Art in Fish Physiology and Biochemistry in Marine Environment

Guest Editors:

**Dr. Antonietta Specchiulli**

National Research Council,  
Institute for Biological Resources  
and Marine Biotechnologies  
(IRBIM), Rome, Italy

**Dr. Monia Renzi**

Department of Life Sciences,  
University of Trieste, 34127  
Trieste, Italy

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### Message from the Guest Editors

Anthropogenic impacts and climate change represent the main threats to biodiversity and their effects have a greater resonance in marine coastal areas, which are the ultimate receiver of pollutants, nutrients, organic matter and litter. Alterations in the state of environmental quality can have negative effects on the normal physiology of the aquatic organisms. Many of these organisms are highly sensitive to any kind of environmental change, thus representing suitable bioindicators for aquatic ecosystem monitoring. When studying the effects of pollution in marine ecosystems, understanding how toxic effects appear and how the organisms readily metabolize, detoxify and accumulate contaminants is essential to understanding ecological vulnerability and possible recovery.

Also, from a climate change perspective, global warming and acidification effects have been recognized as negatively impacting the ecology and physiology of the organisms.





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## Editor-in-Chief

**Prof. Dr. Charitha Pattiaratchi**  
Oceans Graduate School and The  
UWA Oceans Institute, The  
University of Western Australia,  
Perth, WA 6009, Australia

## Message from the Editor-in-Chief

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*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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