

Special Issue

New Insights into Fish Physiology-Applications Focus: Challenges and Mitigations

Message from the Guest Editors

This Special Issue aims to convey the latest progress in applied aspects of fish physiology with particular commercial and laboratory species interests. We would like to invite review and original research manuscripts that contribute knowledge to, among others, the following topics:

- Selective breeding for improving beneficially physiological traits;
- Alternative diets and gut microbiome for improving performance and health;
- Reproductive physiology in captivity;
- Environmental physiology related to stress tolerance;
- Genomics and epigenetics in fish physiology;
- Mitigating approaches to enhance commercial profits as well as fish welfare.

Our sincere intention is to develop this Special Issue to the extent that it will exceed our classical knowledge of fish physiology and provide valuable insights to resolving physiological problems and accurately projecting the physiological responses in commercial and laboratory settings.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2022)



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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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Journal Rank:

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).