

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

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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
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