

Special Issue

Frontiers in Physical Oceanography

Message from the Guest Editors

Physical oceanography focuses on describing and understanding the physical properties and dynamic processes of the oceans, including surface and internal waves, ocean circulation, air–sea interactions, mesoscale eddies, density fronts, submesoscale processes, turbulent mixing, etc. These dynamic processes and their interactions over a wide range of space and time scales sustainably contribute to the mass transport and energy cycle in the ocean, as well as their impacts on climate change, the marine ecological environment, and offshore engineering. Benefiting from the developments of observational and computing technologies, the understanding of physical processes and their climatic and ecological effects have achieved a great progress in the last several decades. Not limited to the aspects mentioned above, the Physical Oceanography Section of this JMSE welcomes the submission of papers on a wide range of topics associated with the latest advances in descriptive or dynamical oceanography, indicating new insights, problems, methods or products, etc. to this Special Issue.

Guest Editors

Dr. Yan Du

State Key Laboratory of Tropical Oceanography, South China Sea Institute of Oceanology, Chinese Academy of Sciences, Guangzhou 510301, China

Prof. Dr. Zhiyou Jing

State Key Laboratory of Tropical Oceanography (LTO), South China Sea Institute of Oceanology, Chinese Academy of Sciences, Guangzhou, China

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Journal of Marine Science and Engineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

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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
School of Engineering, The UWA Oceans Institute, The University of
Western Australia, Perth, WA 6009, Australia

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