

Special Issue

Wave and Tidal Energy Resource Characterization and Environment Interactions

Message from the Guest Editor

Marine renewable energy has gained great attention due to the rapid increase of energy demand in highly-populated coastal regions and its potential to mitigate the effects of global warming as a result of greenhouse gas emissions. In particular, there has been extensive research and project development over the last decade on wave and tidal energy because they are highly predictable and have greater resources compared to other MHK energy sources. However, many challenges remain in terms of improving the accuracy of resource characterization and the understanding of interactions with the ambient marine environment. This Special Issue invites prospective authors to submit their most recent marine-energy-related studies on resource characterization and environmental interactions.

Keywords

- Wave and tidal energy
- Resource characterization
- Environmental monitoring
- Numerical modelling
- Field measurement and laboratory experiments
- Techno-economic and social analysis
- Sediment transport and water quality
- Underwater acoustics
- International Electrotechnical Commission (IEC) standards

Guest Editor

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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

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