



Wave and Tidal Energy Resource Characterization and Environment Interactions

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Message from the Guest Editor

Dear Colleagues,

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





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Message from the Editor-in-Chief

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