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Monitoring and Forecasting Technologies for Marine Environments and Hazards

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Message from the Guest Editor

Marine environmental impacts and disasters due to global warming and climate change are some of the most critical issues in this century. The management of marine environments and reductions in coastal disasters with the development and application of key technologies in observations, ocean models, big data and artificial intelligence approaches are crucial. This Special Issue “Monitoring and Forecasting Technologies for Marine Environments and Hazards” invites research papers with focuses on observational databases, forecasting techniques, and marine disasters and management. The topics listed below and other related works are welcome:

- Long-term observation declaring the impacts of climate changes on the marine environment.
- Developments and applications of observational techniques like remote sensing (radar and satellite).
- Developments and applications of forecasting technology including ocean models as well as big data and artificial intelligence approaches.
- Evaluation and management of marine environmental, biological, geochemical, and ecological disasters



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Special Issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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