Special Issue

Remote Sensing in Monitoring and Assessment of Marine Environment

Message from the Guest Editors

Analysis of marine and coastal systems is of fundamental importance to environmental scientists, engineers, and managers. Remote sensing has played an important role in characterizing the marine environment, with particular emphasis on sea surface features, temperature, and salinity; mapping of shorelines, wetlands, and coral reefs; local fisheries and species movements; tracking of hurricanes, earthquakes, and coastal flooding; and changes in coastal upwelling and marine productivity. Obviously, marine remote sensing is a broad field of study with a rich and expanding agenda. Today, with the rapid global urbanization, marine ecosystems are subject to a multitude of direct human pressures, such as overexploitation, eutrophication, pollution, and species introductions. Challenges imposed by human pressures and ocean dynamics, and the complex interactions of local, regional, and global processes continue to motivate new applications in marine environment remote sensing. This Special Issue aims to explore new solutions in remote-sensing-based marine environment monitoring and assessment. In this context, both general methodological contributions and case studies are welcome.

Guest Editors

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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.

Editor-in-Chief

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