Special Issue

Coastal Waters Monitoring Using Remote Sensing Technology

Message from the Guest Editors

At present, about 10% of the global population lives in the world's coastal zones, mostly concentrated in the world's largest megacities. In many regions, population is exposed to a variety of natural hazards, to consequences of global climate change and to the direct impacts of human activities. Space-based observations, complemented by in situ networks, have demonstrated their capability to provide precise and systematic information about processes acting in the world coastal zones, among them extreme events and phenomena related to climate change and variability, as well as changing conditions due to human activities. This Special Issue will focus on the use of remote sensing to monitor coastal waters. It will cover the following topics:

- Coastal sea level changes and causes;
- Extreme events (storm surges and cyclones);
- Wave patterns and energy;
- Small-scale shelf currents;
- Temperature and salinity variations;
- Ocean tides;
- River flow and river plumes;
- Land–sea interaction in large deltas;
- Water quality;
- Coastal marine ecosystems;
- Ocean water acidification and deoxygenation.

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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