Special Issue

Remote Sensing Approaches for the Detection and Analysis in Coastal and River Delta Regions

Message from the Guest Editors

The exploitation of Earth observation (EO) methodologies presently represents a common practice in the scientific community. Of great interest is the development and application of remote sensing techniques for the detection of environmental changes of coastal regions, which are the location of large population centers. Coastal zones are thus essential for the socio-economic well-being of many nations. The combined effects of sea level rise (SLR), tidal evolution, modulated ocean currents and extreme events can have numerous impacts on coastal, river delta, and inland water zones. Remote sensing (RS) technologies can measure and map the long-term evolution of coastal and deltaic environments, providing updated information on environmental variations, assessing hazards and risks, and understanding the relevant mechanisms. Constellations of satellite sensors working from microwave to optical wavelengths are systematically used to monitor the changes. In the application of newly developed RS technologies, emphasis has been placed on studying various disaster risks that affect coastal, river delta, and megacity areas, and their cascading and unpredictable impacts.

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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.

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