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Coastal Area Observations Based on Satellite Altimetry Data

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Message from the Guest Editor

Dear Colleagues,

Satellite-borne radar altimeters have been measuring sea level, wave height, and surface roughness for several decades. Satellite altimetry is widely used in Earth sciences: geodesy, gravimetry, oceanology, climatology, glaciology, hydrology, etc. The development of methods for altimeter waveform processing (retracking); algorithms for calculating troposphere, ionosphere, tidal corrections, and sea state bias; and new devices (delay–Doppler radar or SAR mode altimetry) all enable satellite altimetry to be actively used for coastal zone research of the World Ocean, inland and marginal seas, as well as large lakes, rivers, and reservoirs.

In this Special Issue, state-of-the-art research that specifically addresses the various aspects of using satellite altimetry for investigating coastal zones will be compiled: monitoring systems of sea (water) level and waves; climatic change assessment and the control of anthropogenic influence on the condition of water bodies; joint assimilation of satellite altimetry data and other remote sensing data into regional hydrodynamical models of coastal zones and inland water bodies.

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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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