Special Issue

Recent Progress in Understanding Global Sea Level Rise Using Space and Earth Observations

Message from the Guest Editors

This Special Issue highlights the recent progress in exploring cutting-edge methodologies for understanding global sea level variations by utilizing space and Earth-based information sources (e.g., Tide Gauge, GNSS/ GNSS-R, GRACE, Satellite Altimetry, and InSAR). We particularly welcome contributions that shed light on the consequences of sea level fluctuations when aiming to evaluate climate change, guide coastal strategies, and enhance disaster preparedness. Moreover, we encourage the submission of review articles focusing on the utilization of the "Global Geodetic Observing System" to monitor global sea level changes, climate dynamics, and natural phenomena within the Earth's intricate system. Potential topics include, but are not limited to, the following:

- Sea Level Change from Tide Gauge, GNSS/GNSS-R, GRACE, Satellite Altimetry and InSAR Global Geodetic Observing System
- Spatio-temporal fusion for big earth data
- Coastal flood risk assessment and response
- Global sea-level budget and ocean-mass budget
- Predicting sea level rise using artificial intelligence algorithm
- Seasonal hydrological/environment loading on sea level change

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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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