Special Issue

Application of Satellite Radar Altimetry to Sea Level and Shoreline Dynamics

Message from the Guest Editors

Dear colleagues, Against the backdrop of global climate change, various anomalies, such as a rising sea level, abnormal currents, extreme weather, and changes in sea ice, have emerged, further affecting the dynamics of the coastline. Satellite radar altimetry provides a unique sea level dataset with almost global coverage, including the monitoring of ocean circulation changes, sea level changes, extreme events (storm surges and hurricanes), waves, and swells. New coastal altimetry techniques, algorithm improvements and corrections, and new applications continue to be the focus of research to extract ocean information more accurately. The purpose of this Special Issue is to compile original research articles on the application of satellite radar altimetry to sea level change, changes in coastal dynamics and marine geological monitoring, as well as the development and application of satellite altimetry products for coastal monitoring. Further technological innovations and in-depth research on satellite radar altimetry, including the optimization of algorithms, models, etc., are welcome.

Guest Editors

Prof. Dr. Tomislav Bašić

1. Faculty of Geodesy, University of Zagreb, Zagreb, Croatia
2. Faculty of Civil Engineering, Architecture and Geodesy, University of Mostar, Mostar, Bosnia and Herzegovina

Dr. George Vergos

Laboratory of Gravity Field Research and Applications—GravLab, Aristotle University of Thessaloniki, Thessaloniki, Greece

Deadline for manuscript submissions

closed (15 November 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/193055

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

MDPI

About the Journal

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

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)