

Special Issue

Flood Monitoring, Modelling, Forecasting and Analysis with Remote Sensing Tools

Message from the Guest Editors

Remote sensing technology has become an important tool to monitor natural disasters due to its advantages of large space coverage, short revisit periods, and abundant observation variables (e.g., rainfall, soil moisture, water storage, altimetry, water surface area, etc.). It is of great value to further investigate the information and expand the application of remote sensing data to promote research into flood monitoring, modelling, forecasting and analysis. Therefore, this Special Issue invites papers on the following topics:

- Flood monitoring using multi-sensor remote sensing data;
- Flood monitoring algorithms based on new technologies such as machine learning;
- Flood monitoring in obstacle areas (urban, vegetated, and mountain areas, etc.) or special land cover regions (desert and snow regions, etc.) with remote sensing data;
- Calibrating and validating flood models, and data assimilation, using remote sensing data;
- Flood forecasting using remote sensing data (such as soil water, rainfall data, etc.);
- Analysis of flood hazards, risk, damages, vulnerability, resilience, etc., using remote sensing data.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2024)



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About the Journal

Message from the Editorial Board

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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