



Remote Sensing of Floods: Progress, Challenges and Opportunities

Guest Editors:

Dr. A. K. M. Azad Hossain

Department of Biology, Geology
and Environmental Science,
University of Tennessee at
Chattanooga, Chattanooga, TN
37403, USA

Dr. Taufique Mahmood

Harold Hamm School of Geology
and Geological Engineering,
University of North Dakota,
Grand Forks, ND 58202, USA

Deadline for manuscript
submissions:

closed (26 May 2024)

Message from the Guest Editors

This Special Issue of *Remote Sensing* aims to invite original research and review articles on the progress, challenges, and opportunities in remote sensing of floods. The potential topics are as follows:

- Mapping and monitoring floods using multi-sensor remote sensing;
- Mapping and monitoring floods using sensor fusion;
- Mapping flood dynamics using remote sensing;
- Application of microwave and optical remote sensing for studying riverine flooding;
- Application of microwave and optical remote sensing for studying coastal flooding;
- Application of remote sensing for studying flash flooding;
- Machine learning/deep learning in remote sensing of floods;
- Remote sensing of floods using moderate and high-resolution imagery;
- Remote sensing of floods using aerial/air-born/UAV imagery;
- Integration of remote sensing with hydrodynamic models for flood simulation and prediction.





an Open Access Journal by MDPI

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

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.

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)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)