Special Issue

Advances in Remote Sensing and GIS for Agricultural Disaster Monitoring and Management

Message from the Guest Editors

In recent decades, remote sensing and GIS technologies have emerged as valuable tools for agricultural disaster monitoring and management. Moreover, advancements in information technologies, such as deep learning, cloud computing and sensor web, have provided a big picture of exploring geospatial applications for agricultural disaster "from farm to space". With this in mind, in this special issue, we are inviting submissions for this special issue that focus on innovative approaches and applications related to the most prevalent agricultural disasters. We encourage the submission of original research and review articles that can include, but are not limited to:

- Remote sensing-based agricultural disaster risk identification, emergency response, and impact assessment;
- Machine learning, deep learning, and AI-based methods in agricultural disaster monitoring;
- Agricultural disaster monitoring;
- Crop loss assessment due to natural disasters;
- Remote sensing of flood and drought dynamics;
- Wildfire and burnt area mapping;
- FAIR geospatial data for agricultural disaster;
- Big data processing and cloud computing for agricultural disaster applications;

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2025)

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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.

Editor-in-Chief

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