Special Issue

Satellite Remote Sensing for Meteorological Disaster Monitoring and Forecasting

Message from the Guest Editors

The aim of this Special Issue is to present recent developments in the use of satellite remote sensing for the monitoring and forecasting of meteorological disasters. Invited contributions may cover innovative techniques, data integration methods, and case studies that highlight the application of remote sensing for real-time disaster tracking, early warning, and post-disaster assessment. In this Special Issue, original research articles and reviews are welcome. We invite submissions across a range of topics, including (but not limited to) the following:

- Techniques for integrating satellite data with ground-based observations and model outputs;
- Advanced data assimilation methods to improve meteorological disaster forecasting;
- Real-time systems for early detection of meteorological hazards;
- Recent satellite missions designed for atmospheric monitoring;
- Algorithm for automating disaster detection and tracking;
- Studies linking satellite observation to climate-induced changes in disaster patterns;
- Remote sensing for evaluating the impacts of meteorological disasters;
- Novel remote sensing technologies that enhance disaster monitoring capabilities.

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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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