## Remote Sensing for the Improvement of High-Impact Weather Analyses and Forecasts

Guest Editors:

**Dr. Guangxin He**

**Dr. Guoqing Ge**

**Dr. Lei Han**

**Dr. Jie Feng**

**Dr. Yongjie Huang**

Deadline for manuscript submissions:
**closed (31 January 2023)**

### Message from the Guest Editors

High-impact weather, such as extreme rainfall, severe storms, damaging wind, droughts, etc., has huge impacts on our society and life. It may affect food and water security, damage infrastructure and put public life at risk.

Remote sensing plays key roles in monitoring, analysis, and prediction of high-impact weather. In the past decades, there have been various advances in the development of remote sensing technologies, platforms and algorithms. Artificial intelligence adds new power for in-depth mining of remote sensing data. These dramatically enhance our understanding of the Earth's environment and boost our ability to simulate and forecast high-impact weather events.

This Special Issue covers a wide range of topics in remote sensing, including but not limited to remote sensing technology, quantitative precipitation estimation (QPE), innovative quality control procedures, data assimilation of radar, satellite, lidar and/or lightning data, GNSS/GPS meteorology, atmospheric monitoring using remote platforms, analyses and forecasts of high-impact weather events utilizing remote sensing data, artificial intelligence to make the best use of remote sensing measurements, etc.

Special Issue

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**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.

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