Special Issue

Advanced Satellite Earth Observing Technologies for Weather and Climate Resilience

Message from the Guest Editors

This Special Issue is aimed at increasing the utilization and uptake of satellite Earth observations, e.g., the International GNSS Service (IGS) data and products, to provide promising methodologies for improved monitoring of weather and climate extremes, thereby constructing climate-resilient communities and contributing to the United Nations Sustainable Development Goals of the 2030 Agenda. The scope of this Special Issue includes, but is not limited to, the following:

Effective mining and analysis of multi-type satellite Earth observations and their derivatives;
Advanced multi-GNSS data processing, atmospheric monitoring and modeling;
Synthetic applications from the use of satellite Earth observations;
Data assimilation technique in operational Earth system models;
Advanced artificial intelligence (AI)-empowered and digital-twin approaches for climate analysis, weather prediction, and environmental monitoring;
Furthermore, miscellaneous interdisciplinary research and innovative applications towards the fields of meteorology, climatology, and environment are also welcome.

Guest Editors

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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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