

Special Issue

Observations, Mechanisms and Forecasts of Severe Convective Weather Based on Remote Sensing

Message from the Guest Editors

This Special Issue, "Observations, Mechanisms and Forecasts of Severe Convective Weather Based on Remote Sensing", invites original research and comprehensive reviews that synergize cutting-edge remote sensing to address the full convective life cycle and severe weather. Contributions may include, but are not limited to, the following:

- Thermal and dynamical structures of convection
- Remote sensing of cloud and precipitation microphysics
- Numerical modeling of severe convective weather
- Mechanisms of severe convective weather
- New observation technologies and field experiments for severe convective weather
- Remote sensing-based retrieval/identification algorithms for severe convective weather
- Convective initiation nowcasting
- AI for severe convective weather forecast

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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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