

## Special Issue

# Advancements in Thunderstorm Nowcasting and Atmospheric Electricity Monitoring by Remote Sensing

### Message from the Guest Editor

This Special Issue aims to reflect advances in thunderstorm nowcasting based on Remote Sensing. Thus the topic covers several sections of Remote Sensing: Atmospheric Remote Sensing, Environmental Remote Sensing, Earth Observation Data and Earth Observation for Emergency Management.

- Recent advances in lightning networks and radar and satellite systems and their benefit for thunderstorm nowcasting;
- Recent advances concerning atmospheric motion vectors;
- Recent advances in analysis and monitoring of thunderstorm life cycles;
- Recent advances in convective initiation;
- Recent advances concerning data fusion for thunderstorm nowcasting;
- Recent advances in the use of artificial intelligence for thunderstorm nowcasting;
- Recent advances in emergency management based on thunderstorm nowcasting.

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### Guest Editor

Dr. Richard Müller

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### Deadline for manuscript submissions

31 May 2025



## Remote Sensing

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CiteScore 8.3



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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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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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