

## Special Issue

# Recent Advances in Remote Sensing Image Processing Technology

### Message from the Guest Editors

Remote sensing technology involves the utilization of various sensors and instruments to capture data from a distance, typically from platforms such as satellites, aircraft, drones, or ground-based devices. In recent years, with the advancement of deep learning and machine learning methods, remote sensing technology has achieved great success, which has been widely applied in many areas, such as environmental monitoring, precision agriculture, and military reconnaissance. However, there are still many challenges in the practical applications of remote sensing technologies, such as their high computational complexity, poor transferability, and low interpretability. These challenges not only limit the applications of remote sensing images but also demand more innovative models. The objective of this Special Issue is to cover various applications, advanced algorithms, and models in the remote sensing field. We welcome related methods and applications that include but are not limited to the following:

- Remote sensing image processing technologies;
- Multi-source image fusion;
- Feature extraction;
- Image classification;
- Change detection;
- Object detection;
- Various applications.

### Guest Editors

Dr. Puhong Duan

Dr. Xueqian Wang

Prof. Dr. Fulin Luo

Dr. Junshi Xia

Dr. Richard Gloaguen

### Deadline for manuscript submissions

closed (15 June 2025)



## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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## About the Journal

### 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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