

## Special Issue

# Advanced Applications of Artificial Intelligence in Remote Sensing Image Recognition (2nd Edition)

### Message from the Guest Editors

This Special Issue aims to explore the latest advances, challenges, and application prospects of AI in the field of remote sensing. Topics may cover new theories, methods, and applications of AI technology in remote sensing data processing, remote sensing image analysis, and remote sensing applications. Articles may address but are not limited to the following topics:

- Remote sensing monitoring of major crop pests and diseases based on artificial intelligence technology;
- The application of deep learning in spatio-temporal big data for forest monitoring;
- Deep learning for crop classification with remote sensing data;
- The application of artificial intelligence and remote sensing in frontier research on agricultural meteorological disasters;
- Environmental remote sensing monitoring with artificial intelligence technology;
- The application of artificial intelligence in change detection and monitoring;
- Hyperspectral/multispectral/optical remote sensing image quality enhancement and restoration with artificial intelligence technology;
- Remote sensing image interpretation with artificial intelligence technology.

### Guest Editors

Prof. Dr. Dong Ren

Dr. Huiqin Ma

Dr. Hang Sun

Dr. Li Liu

### Deadline for manuscript submissions

31 May 2026



## Remote Sensing

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### Message from the Editorial Board

*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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### Editors-in-Chief

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