

## Special Issue

# High-Resolution Remote Sensing Image Processing and Applications

### Message from the Guest Editors

High-resolution imagery is crucial for remote sensing research and applications. The objective of this Special Issue is to unearth and share breakthrough achievements in high-resolution remote sensing image processing and its extensive application areas, including but not limited to:

- Advanced super-resolution techniques for high-resolution remote sensing images;
- Remote sensing image registration and fusion;
- Intelligent fusion methods for multi-source high-resolution images;
- 3D reconstruction and visualization in high-resolution remote sensing;
- Deep learning methods for high-resolution satellite image processing and interpretation;
- Object detection and analysis for high-resolution remote sensing images;
- Semantic segmentation for high-resolution remote sensing images;
- Change detection for multi-temporal images;
- Remote sensing vision-language models;
- Artificial intelligence for unmanned aerial vehicle remote sensing;
- High-resolution remote sensing for environmental monitoring;
- High-resolution remote sensing in agriculture;
- High-resolution remote sensing for urban planning;
- High-resolution remote sensing for disaster management and emergency response.

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### Guest Editors

Dr. Kai Xu  
Dr. Yixiang Chen  
Prof. Dr. Kun Qin

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### Deadline for manuscript submissions

31 July 2026



## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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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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