

## Special Issue

# Application of Artificial Intelligence in Land Use and Land Cover Mapping—3rd Version

### Message from the Guest Editors

We welcome a diverse range of submissions, including original research articles, reviews, letters, technical notes, and highlight articles, covering the following topics:

- Deep learning for hyperspectral and multispectral data analysis;
- Advanced machine learning for LULC classification;
- Transfer learning and domain adaptation techniques;
- Object-based image analysis and pattern recognition;
- Automated change detection and prediction;
- AI-based land cover transition modeling;
- Synthetic dataset generation for training AI models;
- Cloud computing and big data analytics;
- AI for climate change and sustainable development;
- AI-driven deforestation and land degradation monitoring;
- Large language models (LLMs) in geospatial intelligence.

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### Guest Editors

Dr. Sawaid Abbas

Prof. Dr. Janet Nichol

Dr. Faisal M. Qamer

Dr. Hamid Mehmood

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### Deadline for manuscript submissions

15 October 2025



## Remote Sensing

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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

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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