

## Special Issue

# Deep Learning for Spectral-Spatial Hyperspectral Image Classification (2nd Edition)

### Message from the Guest Editors

This Special Issue aims to explore innovative developments in the application of deep learning techniques for spectral-spatial hyperspectral image classification. Researchers are encouraged to submit original research papers, reviews, or surveys. Submissions should adhere to high scientific standards, demonstrate the significance of their contributions, and offer clear experimental validation. We welcome submissions that address both theoretical advancements and real-world applications. This Special Issue aims to cover a wide range of topics related to deep learning for spectral-spatial hyperspectral image classification, including, but not limited to, the following:

- The development and optimization of deep neural network architectures for hyperspectral data.
- Spectral and spatial information fusion in deep learning models.
- Dimensionality reduction methods for hyperspectral data pre-processing.
- Transfer learning and domain adaptation in hyperspectral image classification.
- Data augmentation and label noise learning.
- Benchmark datasets for hyperspectral classification.
- Explainable deep learning.
- Applications
- Multi-task
- The

### Guest Editors

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Dr. Xian Guo

Dr. Jie Yang

Prof. Dr. Xin Huang

### Deadline for manuscript submissions

29 August 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

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