Special Issue

Computer Vision and Features Enhancement of Hyperspectral Images

Message from the Guest Editors

This Special Issue seeks to showcase cutting-edge research leveraging computer vision to enhance hyperspectral image features and address associated challenges. We welcome original studies, reviews, and applications exploring novel algorithms, data integration, and practical implementations across various scales and domains. The goal is to advance methodologies that improve accuracy, efficiency, and real-world utility of hyperspectral imaging.   Topics may include, but are not limited to:

- Computer vision algorithms for hyperspectral data segmentation and classification
- Feature extraction, enhancement, and dimensionality reduction techniques
- Noise suppression and image quality improvement
- Real-time processing and optimization of hyperspectral datasets
- Integration with multisource data (e.g., LiDAR, thermal, RGB)
- Applications in environmental monitoring, precision agriculture, and medical diagnostics
- Hyperspectral image-based change detection and pattern recognition

Guest Editors

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Deadline for manuscript submissions

28 September 2025

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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