

Special Issue

Recent Advances in Hyperspectral Remote Sensing: Theories, Technologies and Applications

Message from the Guest Editors

Hyperspectral remote sensing enables the detection of targets with a high spectral resolution across narrow wavelength bands, combining spatial imagery with continuous spectral data. This technology allows for precise identification and offers a transformative perspective regarding the observation of Earth. Moreover, recent advances in artificial intelligence have further propelled progress in hyperspectral remote sensing, enhancing its theoretical foundations, technological capabilities, and practical applications across diverse fields. This Special Issue seeks to showcase the cutting-edge developments in hyperspectral remote sensing, including theoretical innovations, technological breakthroughs, and novel applications. Both original research articles and reviews are welcome. The research areas may include (but are not limited to) the following:

- Hyperspectral low-level vision tasks (e.g., denoising, restoration, super-resolution, fusion);
- Hyperspectral high-level tasks (e.g., classification, segmentation, anomaly detection);
- The application of hyperspectral remote sensing in specific fields (e.g., precision agriculture, water resource management, mineral exploration).

Guest Editors

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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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