

Special Issue

Advanced Image Processing Technologies and Applications for Remote Sensing

Message from the Guest Editors

Earth observation is critically important for its unparalleled ability to monitor our planet systematically and globally. Satellites, aircraft, and other platforms provide vital data on environmental changes, climate patterns, and resource distribution. With the development of sensors, various image processing technologies have been invented to enhance our understanding of Earth. This Special Issue welcomes contributions on the latest advancements in image processing technologies. Topics of interest include (but are not limited to) optical imaging, SAR imaging, infrared imaging, multi-dimensional observation techniques:

- Radar signal processing;
- Optical image processing;
- Infrared image processing;
- Hyperspectral image processing;
- SAR image processing;
- Polarimetric SAR image interpretation;
- Interferometric SAR (InSAR) image processing;
- Multi-sensor data fusion;
- 3D reconstruction;
- Object detection;
- Target recognition;
- Image classification.

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.

Editor-in-Chief

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