Image Enhancement and Fusion Techniques in Remote Sensing

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Message from the Guest Editors

This Special Issue is accepting papers that discuss image enhancement and image fusion approaches and their applications in remote sensing image-processing tasks. Reviews and research articles on their methodologies or applications, including their advantages and limitations, are welcome. All contributions to this collection will undergo peer review. We welcome contributions that include, but are not limited to, the following:

- Deep learning-based image enhancement;
- Image denoising;
- Generative models for image generation;
- The super-resolution and restoration of images;
- Image quality assessments;
- Few-shot learning methods;
- Multi-modality image fusion (optical, RGB, panchromatic, multispectral, hyperspectral, LiDAR, SAR, infrared, etc.);
- Deep learning-based image fusion methods;
- Feature-level or decision-level image fusion;
- Computer vision methods in remote sensing image fusion;
- Other downstream tasks in the process that include, but are not limited to, remote sensing image classification, image segmentation, object detection, change detection, target recognition, unmixing, etc.

Special Issue

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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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