Special Issue

Machine Learning and Image Processing for Object Detection

Message from the Guest Editors

This Special Issue seeks original contributions of pioneer researchers addressing the abovementioned key problems and issues. We will only accept submissions related to machine learning and image processing for object detection related to remote sensing images. The topics of interest include (but are not limited to):

- New machine learning algorithms for remote sensing image object detection;
- Quality measurement for object detection in remote sensing images;
- New deep neural networks for remote sensing image object detection;
- Open-world object detection in remote sensing images;
- Small object detection related to remote sensing images;
- 3D object detection in remote sensing images;
- Long-tailed object detection in remote sensing images;
- Object detection on drone imagery;
- Image augmentation or pre-processing for remote sensing image object detection;
- Post-processing approaches for object detection in remote sensing images.

Guest Editors

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Deadline for manuscript submissions

31 December 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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