

Special Issue

Advanced Change Detection and Anomaly Detection in Remote Sensing

Message from the Guest Editor

Change detection identifies target differences by comparing remote sensing data from different times, while anomaly detection focuses on identifying data points or areas that deviate from normal patterns. Both play crucial roles in applications such as environmental monitoring, urban planning, disaster response, agricultural management, and natural resource exploration. This Special Issue aims to foster research and development in advanced change and anomaly detection methods for remote sensing. Topics of interest include, but are not limited to, the following:

- Algorithms for multi-source and multi-temporal remote sensing change detection.
- Deep learning approaches for anomaly detection in remote sensing images.
- Change detection in urban environments using remote sensing data.
- Anomaly detection in vegetation, land cover, and agricultural monitoring.
- Integration of LIDAR, SAR, and optical data for change and anomaly detection.
- Time-series analysis for remote sensing-based anomaly detection.
- Anomaly detection using hyperspectral and multispectral data.
- Methods for detecting natural disasters, such as floods, forest fires, and earthquakes, using remote sensing.
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Guest Editor

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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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