Special Issue

Trends and Innovations in Geospatial Analysis Based on Remote Sensing and Artificial Intelligence Technologies

Message from the Guest Editor

This Special Issue, “Trends and Innovations in Geospatial Analysis Based on Remote Sensing and Artificial Intelligence Technologies”, brings together cutting-edge research and innovative methodologies that integrate AI—including deep learning, machine learning, and computer vision—with geospatial data from spaceborne, airborne, and IoT sensors, and highlights the revolutionary impact of these technologies across multiple domains. Key themes explored in this issue include the following:

- AI-Powered Image Processing: Advanced deep learning architectures designed to boost the accuracy of remote sensing tasks such as land cover classification, object detection, and change detection.
- Big Geospatial Data Analytics: Scalable AI-driven geospatial data analytics for processing large-scale, multi-temporal, and multi-spectral datasets to extract meaningful insights.
- Advanced Geospatial Data Fusion Approaches: Integration of multisource geospatial data with AI techniques to improve mapping and enhance the depth and quality of geospatial analysis.
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Guest Editor

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Message from the Editorial Board

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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