Special Issue

Advanced Application of Artificial Intelligence and Machine Vision in Remote Sensing (Third Edition)

Message from the Guest Editor

In this Special Issue, we invite scholarly manuscripts proposing frameworks that combine machine vision with state-of-the-art AI techniques and geospatial information systems to automate the processing of remotely sensed imagery from diverse sources, including drones, LiDAR, radar, SAR, and multispectral sensors. The primary objective is to achieve higher precision in a range of spatial applications, from urban planning to environmental studies, weather and climate analysis, the energy sector, natural resource management, landscape assessment, and geo-hazard monitoring. As we explore this Special Issue, we anticipate groundbreaking contributions that will reshape urban planning and related domains. These endeavors, enriched by drone-based and LiDAR-based image processing, alongside innovative image processing AI, will guide us towards a more intelligent, efficient, and sustainable future.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2025)

About the Journal

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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