

Special Issue

Advanced Artificial Intelligence and Remote Sensing Techniques in Modeling and Monitoring of Natural Disasters

Message from the Guest Editors

This Special Issue focuses on the development of novel approaches and innovations, with AI serving as the backbone in conjunction with remote sensing (RS) technologies. We encourage contributions focusing on developing AI algorithms, exploring novel approaches, and integrating trending AI with geospatial techniques. This Special Issue may cover, but is not limited to, the following areas:

- AI-based image processing;
- GeoAI on classification and prediction;
- AI in earthquake hazard mapping and early warning;
- AI-aided spatial data and model integration;
- Novel AI algorithm development;
- Integrating AI in various applications of Google Earth Engine;
- Vulnerability and risk prediction using AI algorithms;
- ML-based damage detection;
- Spatial modeling in landslide and flood detection;
- Coastline hazard prediction using AI;
- AI-based bushfire monitoring and mapping;
- Cyclone monitoring using AI technologies.

Guest Editors

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Prof. Dr. Rami Issa Al-Ruzouq
Dr. Arnick Abdollahi

Deadline for manuscript submissions

closed (31 January 2024)



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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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