Special Issue

Artificial Intelligence and Remote Sensing for Geohazards

Message from the Guest Editors

The detection and mapping of geological hazards are paramount activities for land management and risk reduction policies around the world. Remote sensing technologies can be of benefit due to a high spatial and temporal coverage, allowing relevant information centered around the investigation, characterization, monitoring, and modeling of geohazards to be obtained. Alongside remote sensing, artificial intelligence and machine learning represent a significant innovation for the analysis of geohazards. This kind of approaches has widely demonstrated their suitability in many scientific fields, being characterized by high accuracy and specific advantages in different study areas and for different sets of factors. Machine learning is being increasingly implemented on remotely sensed data, providing support to the processing of datasets; the classification of imagery; the modeling of hazards, susceptibilities, or risks; the analysis of time series; and the rapid implementation of big data. This *Remote Sensing* Special Issue invites papers that apply machine learning techniques to remotely sensed data to address challenges around geohazards.

Guest Editors

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Dr. Silvia Bianchini

Dr. Chiara Martinello

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Deadline for manuscript submissions

31 January 2026

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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