Special Issue

Global, Regional and Cross-Event Transferability of Deep Learning and Machine Learning Models for Landslide Detection and Susceptibility Mapping

Message from the Guest Editors

Dear colleagues, This Special Issue is dedicated to exploring the transferability of deep learning (DL) and machine learning (ML) models in landslide detection and susceptibility mapping. To promote the development of universally applicable models that can significantly enhance landslide risk assessment and management, we seek contributions that cover a wide range of topics, including, but not limited to, the following:

- Development and application of innovative algorithms for landslide mapping model generalization;
- Integration of multi-source and multi-temporal remote sensing data for landslide monitoring;
- Comparative analyses of model performance across diverse terrains and climatic conditions;
- Interdisciplinary approaches combining geospatial analysis, hydrology and earth sciences;
- Development of global, continental, regional or country-scale geospatial landslide susceptibility;
- Presenting multi-regional landslide inventories, imagery and geospatial data as ground-truth.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2025)

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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.

Editor-in-Chief

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