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Machine Learning and Remote Sensing for Geohazards

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Deadline for manuscript submissions:
closed (15 August 2023)

Message from the Guest Editors

Dear Colleagues,

Remote sensing technologies are widely used for the detection and mapping of geological hazards due to their high spatial and temporal coverage. Together with remote sensing, Artificial Intelligence or machine learning represents a significant innovation for the analysis of geohazards. Machine learning is increasingly implemented on remotely sensed data, providing support to the processing of datasets; for the classification of imagery; or for the modeling of hazards, susceptibility or risk. This Special Issue of Remote Sensing invites papers that apply machine learning techniques to remotely sensed data to address challenges around geohazards. Topics of interest include but are not limited to, the following: application of remotely sensed data to physical- and statistical-based hazard and risk models; processing of remote sensing data with machine learning algorithms; machine learning classification of remote sensing data; processing of RS time-series; machine learning for the mapping and/or monitoring of geohazards; landslide or subsidence analysis.

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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.

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