



Advancements in Remote Sensing and Artificial Intelligence for Geohazards

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Message from the Guest Editors

Dear Colleagues,

Geohazards frequently cause significant human and economic losses worldwide, presenting persistent challenges to social and urban sustainability. It is of great urgency to accurately, timely, and effectively evaluate, prevent, and control geohazards and to clearly understand their evolutionary characteristics, trends, and rules. With the rapid development of remote sensing (RS), along with the success of artificial intelligence (AI), they have increasingly become vital technologies for geohazard perception, cognition, prediction, and so on. Correspondingly, we have also witnessed more effective prevention and controlling of various types of geohazards, as well as significant decreases in social and economic losses from such phenomena. It is necessary to deeply explore and greatly facilitate the application of remote sensing in AI in geohazards so that we may overcome the difficulties caused by geohazards.

This Special Issue aims to gather studies covering the applications of and advancements in RS and AI for all types of geohazards. Multisource RS data, state-of-the-art AI algorithms, and manifold geohazard prevention services, among other issues, are welcome.





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