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Novel Approaches for Earthquake and Land Subsidence Prediction

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Deadline for manuscript submissions:
closed (20 August 2024)

Message from the Guest Editor

Dear Colleagues,

Earthquakes represent one of the most devastating and destructive dangers to the built environment. One of the largest earthquake-induced phenomena is land subsidence. Due to the significant economic and social impacts of such phenomena, there is an increasing need to mitigate their effects through, e.g., passive methods enabling prediction and identification based on continuous monitoring.

AI-based geospatial data analysis, advanced geospatial sensing, processing, imaging technologies, and remote sensing technologies such as laser radar, synthetic aperture radar, radar interferometry and GPS can detect the changes in the Earth with high accuracy; they are more widely used for land subsidence and earthquake studies, including long-term risk assessment and monitoring, prediction and early warning.

This Special Issue aims to collect contributions exploring advances in earthquake prediction and land subsidence, including, but not limited to, the following topics: Land subsidence; Geodesy; Remote sensing; GIS; Earthquake prediction; Earthquake hazard monitoring; Earthquake risk analysis; Geospatial data analysis; Earthquake early warning.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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