

Special Issue

Earthquake Detection, Forecasting and Data Analysis

Message from the Guest Editor

In the dynamic field of seismic science, earthquake detection, forecasting, and data analysis are crucial for planning and implementing protective measures, as well as for predicting, understanding, and mitigating the impacts of seismic events. The abundance of data, together with technological and research advancements over last few decades and coupled with significant strides in AI and machine learning, have collectively revolutionized approaches to understanding earthquakes. With this background, we are delighted to announce this Special Issue of *Applied Sciences* entitled "Earthquake Detection, Forecasting and Data Analysis". This Special Issue welcomes contributions that address, but are not limited to, the following keywords:

- Machine learning and AI applications in earthquake detection, forecasting, and data analysis.
- Probabilistic Seismic Hazard Assessment (PSHA).
- Earthquake early warning systems and their efficacy.
- Statistical methods in earthquake data interpretation.
- Seismicity studies.
- Earthquake size.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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