

Special Issue

Soil Dynamics and Earthquake Engineering in Sustainability

Message from the Guest Editors

This Special Issue of *Sustainability* will be devoted to soil dynamics and earthquake engineering. The sustainable safety of civil structures in seismic zones such as tunnels, dams, bridges, and buildings is threatened by earthquakes, which has attracted widespread attention. It is of great significance to study the dynamic response of the structures under the seismic loads as well as the effects of the earthquake source, path and local site on the ground motions, in order to improve the performance and sustainability of the engineering. More detailed and accurate studies on idealized or practical problems by using these methods will undoubtedly advance a better understanding of sustainable earthquake engineering.

- Seismology relevant to earthquake engineering
- Wave propagation and scattering in soils and rocks
- Dynamic constitutive behaviour of soils and rocks
- Seismic analysis and design of tunnels, dams, slopes, bridges, and buildings
- Foundation and soil-structure interactions
- Site effects and ground motions
- Seismic performance and seismic damage
- Slope stability and reinforcement
- Pile dynamics
- Physical modelling
- Numerical and analytical methods

Guest Editors

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Deadline for manuscript submissions

closed (1 September 2023)



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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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