Special Issue

Recent Developments in Geotechnical Earthquake Engineering and Soil Dynamics

Message from the Guest Editor

Areas relevant to Geotechnical Earthquake Engineering and Soil Dynamics mainly include the assessment of seismic action in terms of time histories or response spectra, as well as the evaluation of seismic-induced soil failures such as liquefaction of cohesionless deposits or co-seismic/post-seismic landslides and the assessment of kinematic actions on piles. The laboratory and in situ characterization of soil deposits is extremely important in relation to the above topics. This Special Issue will publish high-quality original papers on the following topics:

- Probabilistic/deterministic assessment of seismic hazard and data from monitoring seismic array;
- Seismic response analyses: numerical computations vs. data from monitoring seismic array;
- Assessment of liquefaction risk: new tools and approaches;
- Seismic-induced kinematic actions on piles and piled rafts (numerical analyses and observations);
- Review and comparison of simplified approaches for the assessment of seismic risk;
- Seismic-induced landslides (case studies);
- New laboratory testing for soil dynamics characteristics (stiffness, damping, strength).

Guest Editor

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Deadline for manuscript submissions

closed (30 October 2023)

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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.

Editor-in-Chief

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