Special Issue

New Reinforcement Technologies Applied in Slope and Foundation

Message from the Guest Editors

With the increase in natural hazards and human activities, the safety problems in geotechnical engineering are becoming more and more prominent. Slope support and foundation treatment are two important fields of geotechnical engineering. In this Special Issue of Buildings, authors are invited to submit high-quality original papers related to the properties of new materials, analyses for new technologies, numerical simulation, and construction practices. Relevant topics submitted for this Special Issue include, but are not limited to, the following subjects:

- New geotechnical reinforcement materials;
- The mechanical behavior of geotechnical materials in complicated environments;
- New geotechnical reinforcement technology;
- Slope stability analysis;
- Foundation treatment;
- Soil–structure interactions;
- The bearing performance of ground anchors/soil nails;
- Composite foundation;
- The mechanical analysis model of reinforced structures;
- The performance optimization of geotechnical materials.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

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