

Special Issue

Research and Development of Building Pile Foundation Engineering and Underground Structure

Message from the Guest Editors

This Special Issue focuses on the latest research and development trends in the field of building pile foundation engineering and underground structures. As crucial components of modern civil engineering, the safety, durability, and economic efficiency of pile foundations and underground structures have garnered significant attention. This Special Issue brings together leading scholars and researchers from around the world to delve into various aspects, including pile foundation types and design theories, construction techniques and equipment, inspection and monitoring, and seismic resistance and disaster prevention. We aim to showcase the cutting-edge technologies and research achievements in this field, foster collaborations and exchanges between academia and industry, and jointly drive the sustained development and innovation of building pile foundation engineering and underground structures. For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/buildings/special_issues/UCA52U1AY3

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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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