



## Advances in Building Foundation Engineering and Underground Structures

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Deadline for manuscript  
submissions:

**30 June 2025**

### Message from the Guest Editors

To address pressing needs, this Special Issue aims to bring together cutting-edge research and practical solutions in building foundation engineering and underground structures. We invite contributions that explore innovative design methodologies, advanced construction techniques, and new material applications. Topics of interest include soil–structure interaction, tunneling, ground improvement, resilient systems for disaster mitigation, sustainable practices, and smart technologies.

We seek submissions of original research, comprehensive reviews, and practical case studies that highlight significant advancements and interdisciplinary approaches. By disseminating this knowledge, we hope to foster collaboration and drive the development of sustainable and resilient construction practices. The field of building foundation engineering and underground structures has seen rapid advancements in recent years, driven by the growing demands of urbanization, infrastructure development, and the need for sustainable construction practices.

For further reading, please follow the link to the Special Issue Website at:

[https://www.mdpi.com/journal/buildings/special\\_issues/4R4CXR9600](https://www.mdpi.com/journal/buildings/special_issues/4R4CXR9600)





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## 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.

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