

## Special Issue

# Advancements in Smart Civil Engineering: Durability, Seismic Resilience, Construction, and Composite Repair Technologies

### Message from the Guest Editors

This Special Issue will bring together the latest advancements in smart civil engineering, with a focus on enhancing structural durability, seismic resilience, innovative construction methods, and composite repair technologies. This Special Issue will cover a broad spectrum of topics, from advanced materials and structural design to intelligent construction techniques, contributing to the global infrastructure landscape. It will provide a platform for researchers and professionals to showcase innovations and solutions that are transforming the civil engineering sector. Topics relevant to this Special Issue include, but are not limited to, the following:

- Advanced materials for civil engineering;
- Life cycle assessment and environmental impacts;
- Structural health monitoring and maintenance;
- Seismic resilience and earthquake engineering;
- Intelligent construction techniques;
- Sustainable construction practices;
- Composite repair and strengthening technologies;
- Smart infrastructure and urban development;
- Resilient infrastructure systems;
- Innovative structural design;
- Computational methods and simulations.

### Guest Editors

Prof. Dr. Qin Zhang

Dr. Baoyin Sun

Dr. Zhiwei Shan

Dr. Ziqi Li

Dr. Yantai Zhang

### Deadline for manuscript submissions

31 January 2026



## Buildings

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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.

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### Editor-in-Chief

Prof. Dr. David Arditi

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### Author Benefits

#### High Visibility:

indexed within SCIE (Web of Science), Scopus, Ei Compendex, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Construction and Building Technology) /  
CiteScore - Q1 (Architecture)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).