

## Special Issue

# Advances in Structural and Mechanical Performances of Structures and Materials

### Message from the Guest Editors

The mechanical/structural performances of constructions are crucially essential to securing the safety of society. During their service lives, materials and structures are subjected to various loads, such as earthquakes, wind, water/soil pressure, and extreme conditions: freeze-thaw, corrosion, and heat. This Special Issue “*Advances in Structural and Mechanical Performances of Structures and Materials*”, aims to advance the understanding of the structural/mechanical performances of structures and materials. We welcome papers on the following disciplines and related topics, including, but not limited to, the following: [Types of articles] Technical papers/case studies/project reports/reviews and state-of-the-art discussions [Structural aspect of constructions] Earthquake engineering/structural dynamics/wind engineering/fire engineering/structural reliability/stability/connection design [Materials aspect of any constructions] Mechanical properties/durability/corrosion/nondestructive testing/health monitoring/innovative materials

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### Guest Editors

Dr. Atsushi Suzuki

Graduate School of Engineering, Tohoku University, Sendai 9808577, Miyagi, Japan

Prof. Dr. Dinil Pushpalal

Graduate School of International Cultural Studies, Tohoku University, Kawauchi, Aobaku, Sendai 9808577, Miyagi, Japan

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### Deadline for manuscript submissions

closed (30 September 2024)



## Buildings

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CiteScore 4.4



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*Buildings*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[buildings@mdpi.com](mailto:buildings@mdpi.com)

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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

Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

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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 15.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).