

## Special Issue

# Structural Performance in Blast Load Scenarios

### Message from the Guest Editors

There is an ever-present need for reliable and pragmatic engineering tools for blast-load assessments and the mitigation design of military and civilian structures. This Special Issue is being organized to encourage authors to submit papers addressing topics including but not limited to the following:

- Blast loading on structures and structural elements;
- Experimental methods for blast load parameter measurements;
- Experimental investigation on the blast load influence on structures and structural elements;
- Numerical investigation of blast load parameters and influences on structures and structural elements;
- Blast load-induced ground vibrations and their influence on structures;
- Seismic performance of structures as a potential blast load mitigation design;
- Innovative materials and design procedures for blast load mitigation;
- Structural strengthening for blast load mitigation.

For more information, please click on the Special Issue link:

[https://www.mdpi.com/journal/buildings/special\\_issues/1C3AZ21D3G](https://www.mdpi.com/journal/buildings/special_issues/1C3AZ21D3G)

---

### Guest Editors

Dr. Hrvoje Dragančić

Dr. Mario Jeleč

Dr. Goran Gazić

---

### Deadline for manuscript submissions

28 February 2025



## Buildings

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 3.4



[mdpi.com/si/162106](https://www.mdpi.com/si/162106)

### *Buildings*

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

[mdpi.com/journal/  
buildings](https://www.mdpi.com/journal/buildings)





# Buildings

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 3.4



[mdpi.com/journal/  
buildings](https://mdpi.com/journal/buildings)



## 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

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

---

### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Engineering, Civil) / CiteScore - Q1 (Architecture)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.2 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2024).