



*buildings*

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## Steel Structures Building: Mechanical Properties and Behaviour Analysis

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Deadline for manuscript submissions:

**closed (29 February 2024)**

### Message from the Guest Editors

We would like to invite you to submit your papers to our special issue on Steel Structures Building: Mechanical Properties and Behaviour Analysis for our journal. As we all know, steel structures are becoming increasingly popular in modern building construction due to their high strength, durability, and resistance to various environmental factors. This special topic aims to provide a comprehensive understanding of the mechanical properties and behavior analysis of these structures, which is essential for ensuring their safety and effectiveness.

We are seeking submissions that focus on the following areas:

- Mechanical properties of steel structures
- Behavior analysis of steel and composite structures
- Fatigue and fracture in steel structures
- Corrosion and durability of steel structures
- Temperature effects on steel structures
- Seismic retrofit of steel structure
- Health monitoring and testing of steel structures

This special topic provides a great opportunity for you to share your research and contribute to the growth of the knowledge in this field. We encourage you to submit your papers, which will undergo a rigorous review process to ensure high-quality content.



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# Special Issue

## Editor-in-Chief

**Prof. Dr. David Arditi**

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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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