# Special Issue

# Brittle Behaviour of High-Performance Concrete Structures

### Message from the Guest Editors

We are pleased to announce that the Special Issue entitled "Brittle Behaviour of High-Performance Concrete Structures" will be published in *Buildings*, a MDPI Open Access Journal indexed in Scopus and Web of Science with an Impact Factor of 3.1. This Special Issue aims to publish papers on recent advances on high-performance concrete structures, with a particular focus on the complex phenomena characterising the failure mechanisms of fibre-reinforced, hybrid-reinforced, FRP-bar reinforced, and prestressed concrete structures. We will be very pleased if you would consider submitting a research paper or a review article on any topic related to this theme. Should you have any questions, please do not hesitate to get in touch with us.

### Guest Editors

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### Deadline for manuscript submissions

30 September 2025

**Buildings**

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Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/154077

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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.

### 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).