

# Special Issue

## Study on Concrete Structures— 2nd Edition

### Message from the Guest Editors

With the development of large-scale concrete infrastructure, issues such as service performance, repairing, and strengthening strategies are becoming important topics with regard to advanced materials and resilient structures. This Special Issue plans to provide an overview of the most recent advances in the field of concrete materials and structures through experimental tests, numerical analyses, and applications in real-life case studies. We would like to invite all experts in the field of concrete materials and structures to contribute manuscripts containing scientific findings encompassed by this broad area of research. Topics include, but are not limited to, research results on the following: Green and advanced construction materials; Novel repairing materials and technology; Concrete material behavior; Advanced modeling techniques for concrete; Advanced concrete structural systems; Concrete structural monitoring; Concrete structure durability and improvement.

### Guest Editors

Prof. Dr. Haijun Zhou

Dr. Rujin Ma

Dr. Rui Zhou

Dr. Cong Ma

### Deadline for manuscript submissions

31 October 2025



## 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) /  
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#### 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).