

## Special Issue

# Studies on the Characterization and Technology of Construction Materials

### Message from the Guest Editors

The construction industry is undergoing a tremendous transformation in order to provide resilient, sustainable housing. Research on construction materials is at the forefront of this transformation, given the significance of reducing carbon footprints, improving durability, and assuring occupant comfort. With high-quality contributions, this [Special Issue](#) aims to showcase current advances in the field of construction and building materials. Thanks to multi-physics and multi-scale strategies, this will allow us to enhance existing literature and achieve an expanded knowledge of modern construction materials. More specifically, authors with research interests in the following topics are encouraged to submit their work: \* Hygrothermal and/or mechanical characterization of eco-friendly construction materials. \* Experimental or numerical investigation into new construction materials. \* Innovative methodologies for assessing the sustainability of construction materials.

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### Guest Editors

Prof. Dr. Yassine El Mendili  
Dr. Karim Touati  
Dr. Mohammed-Hichem Benzaama

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### Deadline for manuscript submissions

closed (28 February 2025)



## Buildings

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CiteScore 4.4



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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) /  
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).