# Special Issue

# Advanced Research on Construction Materials for Sustainable Built Environment

## Message from the Guest Editors

Developing the infrastructure and buildings system that supports our living environment and societal economy involves the extensive use of various construction materials. It is needless to say that construction materials underpin our whole society, and continued development and applications of advanced construction materials are of paramount importance to the sustainability of the built environment. The purpose of this Special Issue is to create a collection of papers on advanced construction materials for improving the sustainability of the built environment. The topics of interest include, but are not limited to, the following: low-carbon cement binders, low- and negative-carbon concrete, ultra high-performance concrete, digital concrete, fiber-reinforced cementitious composites, fiber-reinforced polymer composites, high-performance steel, multiple functional coating. We look forward to receiving your contributions. For more information about the special issue, please click on the link: https://www.mdpi.com/journal/buildings/special_issues/7ZH143D29B

## Guest Editors

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## Deadline for manuscript submissions

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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

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