

Special Issue

Advanced Research on Ceramic Construction Materials and Cements

Message from the Guest Editors

The increased demands of our rapidly developing way of life lead to the broadening of the construction materials market, among other effects. In fact, construction materials cover a tremendous field of applications and products pertaining to our everyday life and development. On the other hand, the need for energy-saving, cost-effective technologies and environmentally friendly products with sustainable life cycles has rapidly increased. Therefore, the intensive research and development of advanced construction materials and processes need to continue in the future.

Articles in SI will be related to eco-friendly processes and technologies for the production of new sustainable and high-quality construction materials. Topics of interest for this Special Issue include, but are not limited to, the following materials: bricks, tiles, ceramic compositions of ancient construction materials and their conservation, refractory ceramics for fireplaces, low-carbon concrete and cement, and thermal insulation building materials (e.g., geopolymers, building stones).

You may view following link for more information:
[https://www.mdpi.com/journal/buildings/special_issues/
Ceramic_Construction_Materials](https://www.mdpi.com/journal/buildings/special_issues/Ceramic_Construction_Materials)

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2023)



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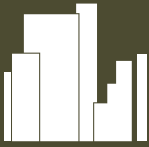


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About the Journal

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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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).