

Special Issue

Sustainable Building Materials for Infrastructure Application

Message from the Guest Editors

The proposed Special Issue would focus on the latest research and developments in the field of sustainable materials for building infrastructure application. Topics of interest include (but are not limited to) the following:

- Performance of sustainable infrastructure or infrastructure elements;
- Innovative uses of recycled plastic in building construction;
- Sustainable building materials from recycled glass;
- Advancements in utilizing recycled waste material in building applications;
- Exploring the potential of recycled rubber or tyre chip for building and construction;
- Eco-friendly construction with recycled metals and alloys;
- State-of-the-art applications of recycled concrete in sustainable building applications;
- Promoting circular economy: recycled waste material for building or building element construction;
- Recycling industrial by-products for sustainable building applications.

You may view the following link for more information:

https://www.mdpi.com/journal/buildings/special_issues/EG61BIJY84

Guest Editors

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Deadline for manuscript submissions

closed (23 January 2024)



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.

Editor-in-Chief

Prof. Dr. David Arditi

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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).