

Special Issue

Innovative Utilization of Construction Demolition Waste for Sustainable Building Applications

Message from the Guest Editors

This Special Issue will give the opportunity to share innovative process, preparation techniques and performance study on the Construction Demolition Waste. The will help the researchers to carried out investigations on sustainable development from different countries. We are looking for the papers related to the study of the Construction Demolition Waste, namely in the following topics:

- Innovative materials adaptive as building material;
- Preparation/Treatment process of Construction Demolition Waste;
- Structural and non-structural performance analysis of materials;
- Sustainability applications of alternative materials;
- Life cycle assessment of building material;
- Other topics related to the innovative investigations on Construction Demolition Waste as alternative building materials for a sustainable built environment.

Guest Editors

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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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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).