

Special Issue

Research and Utilization of Solid Waste and Construction Waste

Message from the Guest Editors

The emphasis of this Special Issue, titled “Research and Utilization of Solid Waste and Construction Waste”, is on the reduction and engineering reuse of solid waste and construction waste. The main topics covered within this thematic Issue are as follows:

- Advanced waste treatment technologies;
- Recovery of solid waste to prepare functional materials;
- Awareness of hazards and risks posed by construction solid waste to human health and the environment.

We welcome researchers in this field to contribute original research, reviews, and communications that push the boundaries of our knowledge about recycling solid waste. This Special Issue provides a platform for addressing challenges and presenting breakthroughs in solid waste treatment. For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/buildings/special_issues/1FUX2P5118

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

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).