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Sustainable Cement-Based Materials

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Deadline for manuscript submissions:
closed (20 December 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to collect the latest research results on green building materials and solid waste utilization in the construction industry.

Topics of interest include but are not limited to:

- Solid waste resource utilization;
- Research progress of green building materials;
- Low-carbon construction technology innovation;
- 3D printing technology;
- Carbon footprint of materials, Carbon reduction and carbon sequestration;
- Artificial materials in construction;
- New green building materials & Engineering Applications;
- Long-term performance research;
- Steel–concrete composite;
- Thermal study on buildings.

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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.

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