

Special Issue

Concrete and Waste Management for Sustainable Construction: Challenges and Opportunities

Message from the Guest Editors

This Special Issue welcomes original articles, review articles, and case studies that address the challenges and opportunities of using concrete and managing industrial wastes in a sustainable manner. Its goal is to provide readers with insights into the latest state-of-the-art research and practices related to sustainable construction. Research areas for consideration in this Special Issue may include, but are not limited to:

- Waste-derived mortar and composites;
- Classification, processing, and management of industrial wastes;
- Concrete made with recycled waste materials;
- Alkali-activated materials and geopolymer composites;
- Novel and waste materials in construction;
- Bio-materials in construction;
- Novel design and applications in construction;
- Efficient use of construction materials including lightweight materials;
- Recycled fiber-reinforced concrete and composites;
- Microstructure evaluation of waste-derived products;
- Industrial practices for sustainable waste management;
- Use of 4Rs in construction;
- Lean construction;
- Cleaner production and life cycle assessment.

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Deadline for manuscript submissions

closed (31 October 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/174914

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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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