



Concrete and Waste Management for Sustainable Construction: Challenges and Opportunities

Guest Editors:

Dr. Hilal El-Hassan

Department of Civil and
Environmental Engineering,
United Arab Emirates University,
Al Ain, United Arab Emirates

Prof. Dr. Jamal Khatib

1. Faculty of Engineering, Beirut
Arab University, Beirut, Lebanon
2. Faculty of Science and
Engineering, University of
Wolverhampton,
Wolverhampton, UK

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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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Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

Message from the Editor-in-Chief

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Sustainability Editorial Office
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