

Special Issue

Recycled Construction & Demolition Waste as Concrete Aggregate for Sustainable Construction

Message from the Guest Editors

This Special Issue aims to address the latest research and practices of adopting recycled C&D wastes as concrete aggregate for sustainable construction and covers themes including but not limited to:

- Novel cementitious materials developed with proper mixes involving C&D wastes;
- Engineering properties of sustainable cement composites adopting C&D wastes;
- New technologies developed to track the source and quality of RAs;
- Digital technologies to manufacture new concrete with RAs;
- Comprehensive sustainability indicator system for adopting RAs against natural aggregates;
- Data analytics methods applied in estimating more properties of cement composites containing RAs;
- Promoting the circular use of C&D wastes from the perspectives of management, policy, standard, and legislation
- Overview of existing studies for 1) providing an overview of existing research and practices of recycled aggregate concrete; 2) introducing the latest studies of high-performance concrete adopting recycled aggregates from C&D wastes; 3) evaluating the latest findings of recycled aggregate concrete by achieving waste reuse whilst realizing other environmental sustainability goals.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2022)



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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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