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# **Recycled Construction & Demolition Waste as Concrete Aggregate for Sustainable Construction**

Guest Editors: **Message from the Guest Editors** Dr. Ruoyu Jin This Special Issue aims to address the latest research and practices of adopting recycled C&D wastes as concrete Prof. Dr. Yidong Xu aggregate for sustainable construction and covers themes including but not limited to: Prof. Dr. Libo Yan • Novel cementitious materials developed with Dr. Zhenhua Duan proper mixes involving C&D wastes; • Engineering properties of sustainable cement composites adopting C&D wastes; Deadline for manuscript • New technologies developed to track the source submissions. and quality of RAs; closed (31 October 2022) • Digital technologies to manufacture new concrete

with RAs:

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- 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 whist realizing other environmental sustainability goals.







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# **Editor-in-Chief**

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### Message from the Editor-in-Chief

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