Special Issue

Recycling Wastes into Construction Materials: Innovative Methods and Developments

Message from the Guest Editors

Concrete is the most highly consumed material after water. On the other hand, a lot of construction and demolition waste (CDW) is generated every year. Huge quantities of other municipal, agricultural and industrial wastes are landfilled each year around the world causing different environmental and waste management issues. Although numerous studies have focused on the recycling of different wastes in construction materials, the practical application of green construction materials is still rare due to the uncertainty in the performance of waste-incorporated construction materials and the lack of sustainable concrete design guidelines.

The Special Issue will be focused on research and review articles and case studies discussing recycling of wastes in different construction materials, novel design approaches, life-cycle assessment, and development of empirical and analytical performance prediction models of construction materials using different artificial intelligence techniques. We hope that this Special Issue will be a beneficial contribution to the field of sustainable construction materials and related industrial applications.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2022)



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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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