



Structural Analysis for Recycled Concrete

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Message from the Guest Editors

Nowadays, the sustainable development and carbon neutrality of the concrete industry have attracted a lot of research attention and is imperative around the world. The practical application of recycled aggregate concrete (RAC) in building engineering can contribute to the carbon neutrality of the concrete industry and contribute to the development of a sustainable future.

The goal of this Special Issue is to encourage scientists and researchers to publish high-quality papers on recent improvements in the workability, mechanical properties, long-term performance, environmental impacts, and economic analysis of RAC as well as the structural performance of RAC elements and structures and application examples.

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/buildings/special_issues/6NLW5DP466





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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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