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# Construction Management, Restoration and Waste Optimization in Building Industry 4.0

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Deadline for manuscript submissions:
**closed (10 January 2023)**

## Message from the Guest Editors

Presently, construction management is focused on management, finance and law related issues in construction industry 4.0. Meanwhile, for sustainable development, many parameters like waste material management, construction management, circular economy model, etc., have been considered in the housing and real estate industry. For sustainable development, many parameters like waste management, circular economy, etc., have been considered in the construction industry. The current Special Issue utilized new and waste materials under the perception of circular economy models to develop an innovative structural and material solution, especially for reinforced concrete and masonry structures. Therefore, this subject issue includes theoretical and experimental examination and mathematical simulations. The current Special Issue not only deals with construction management, but also deals with all these mentioned parameters to develop an innovative model and construction related solutions, especially for reinforced concrete and masonry structures. Therefore, this subject issue includes theoretical and experimental examination and mathematical simulations.

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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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