

Special Issue

Circular Strategies for the Built Environment: Innovations in Adaptation, Reuse and Recycling

Message from the Guest Editors

This Special Issue explores circular strategies in the built environment, focusing on innovative approaches to adaptation, reuse, and recycling. It aims to highlight cutting-edge research, design and construction practices, and policy frameworks that promote resource efficiency and reduce environmental impact. Contributions may address circular strategies such as building adaption, components reuse, and materials recycling. The Issue welcomes interdisciplinary perspectives that integrate material, architectural, structural, and urban scales. By showcasing scalable solutions, it seeks to inspire transformative change toward a regenerative and resilient built environment.

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About the Journal

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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