Special Issue

Innovative Approaches to Resilient and Sustainable Urban and Built Environment Design

Message from the Guest Editors

This Special Issue aims to advance cutting-edge research and scalable solutions that enhance environmental resilience, human health, household financial sustainability, and long-term neighborhood and urban stability. We invite contributions that go beyond incremental improvements and demonstrate measurable innovation in planning and design frameworks, building performance strategies, and integrated urban systems. Particular emphasis is placed on interdisciplinary research linking building-scale and built environment interventions with households and neighborhoods. Submissions should clearly articulate methodological advancements, quantitative/qualitative assessments, or novel conceptual models capable of informing practice and policy. Contributions that align with global resilience agendas, climate adaptation strategies, green infrastructure, and net-zero transitions are strongly encouraged.

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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.

Editor-in-Chief

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