Special Issue

Safety and Health in the Building Lifecycle

Message from the Guest Editors

This Special Issue focuses on measures and techniques to ensure safety and promote health throughout the entire lifecycle of buildings in order to achieve regenerative and responsible urban development. Prioritizing safety and health measures from the initial design phase to construction, occupancy, and eventual dismantling of the building not only protects the well-being of occupants but also enhances the resilience and longevity of structures. Scientific research works dealing with health and safety measures during any stage of the building lifecycle are welcome. The proposed research works must be supported by empirical data or scientific methodologies. Authors should clearly identify the gap of knowledge and novelty of their work as well as highlight the main relevance of the research outcomes.

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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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