

Special Issue

Sustainable Architecture and Healthy Indoor Environment

Message from the Guest Editors

This Special Issue focuses on the relationship between architecture, man and nature. It discusses the interaction between regional culture, lifestyle, bedroom hygiene, housing construction strategy and the needs of healthy and pleasant indoor environments, as well as the scientific evidence based on the philosophy of "moving by feeling". The topics of this Special Issues are as follows: (1) Description and evaluation method of healthy and pleasant indoor environment requirements combined with cultural background; (2) Design parameters of building openings and acceptable indoor environment based on the requirements of photothermal environment; (3) Data collection technology and evaluation tools for intelligent human settlements; (4) Low-carbon building suitability solutions and evidence.

Guest Editors

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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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