Special Issue

Healthy Buildings: Indoor Environmental Quality Control and Sustainability

Message from the Guest Editor

Buildings majorly impact health and well-being since people spend most of their time indoors. Therefore, energy-efficient building construction has evolved into healthy building construction, which considers physical and psychological health and social well-being factors that influence occupants' behaviour and productivity. Healthy infrastructure is an emerging field of research focusing on topics related to indoor environmental quality control and sustainability, including the monitoring and assessment of indoor air quality, the use of innovative building, circular materials and renovation and construction processes concerning indoor environmental quality. Thus, research on design guidelines and modelling or simulation methods, thermal and visual comfort, sustainability-centred design, incorporation of recycled materials, performance assessment of materials in regard to air quality and other related fields is urgently needed... *You may view the following link for more information:* https://www.mdpi.com/journal/buildings/special_issues/healthy_building

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Deadline for manuscript submissions

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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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