

Special Issue

Green Building Energy System Integration and Eco-Friendly Urban Development

Message from the Guest Editors

With climate change, pandemics, pollution, and energy scarcity overwhelming urban ecosystems, we need to question how citizens can not only stay comfortable, but also thermally safe and healthy over the coming decades. Likewise, given the current and potential future global disease crises, it is more necessary than ever to ensure safe indoor and outdoor environments (pollution-free, energy reliable and with thermal comfort), especially for the most vulnerable (aged population, children, impoverished sectors, etc.). Cities play a key role in dealing with diseases, heat waves, and other stress factors affecting citizens. It appears that with the help of new energy technologies, materials, nature integration, and renewed approaches, it is now possible to implement the capabilities for cities to take the next step. We must question previous approaches and find new answers on integrated strategies for a sustainable evolution of urban environments and the role of the buildings within them.

This Special Issue welcomes original research papers, reviews, and case studies on the topic and short discussions.

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Deadline for manuscript submissions

closed (20 April 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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