



Advanced Studies on Housing Energy Efficiency, Net Zero Developments and Real Estate Values

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Message from the Guest Editors

Dear Colleagues,

Buildings Special Issue focuses on housing energy efficiency in real estate and urban transformation. Governments are urged to promote building efficiency and reduce green house gas emissions. This issue explores sustainable building practices in emissions reduction, considering global standards. It examines urban planning policies which foster sustainable communities via eco-friendly designs. An interdisciplinary approach highlights the importance of integrated efforts by developers, planners, governments, and communities for an energy-efficient & sustainable built environment.

Research areas of interest include (but are not limited to) the following:

- Reducing carbon emissions: identifying best practices and technologies to improve the energy efficiency of buildings;
- Economic savings: long-term economic savings for both owners and tenants, influencing real estate market dynamics;
- Sustainable growth: developing models and decision-making tools
- Policy improvement: evaluation of policy frameworks, regulatory measures, and financing mechanisms;
- Benefits for health and well-being.

Welcome to submit your manuscript to us!

Guest Editors

Special *Issue*



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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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