Special Issue

Research on Advanced Technologies Applied in Green Buildings

Message from the Guest Editors

We cordially invite you to participate in our Special Issue entitled "Research on Advanced Technologies Applied in Green Buildings". This issue aims to highlight innovative research and technological advances that contribute to the creation of more sustainable and energy efficient buildings. In this Special Issue, we are interested in exploring the potential of advanced technologies in the field of building energy simulation, focusing on areas such as artificial intelligence, the Internet of Things (IoT), advanced monitoring, energy management systems, and the use of eco-efficient materials. We would also like to address the role of integrated renewable energy systems in the construction and operation of sustainable buildings. We encourage you to submit your original contributions that focus on these themes or related areas. Your participation in this Special Issue will be an invaluable opportunity to share and discuss the latest advances and research results in advanced technologies applied to sustainable buildings.

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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