



Sustainable Net-Zero-Energy Building Solutions

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Message from the Guest Editors

Building use is responsible for a significant share of global carbon emissions, energy consumption, and resource consumption. According to the World Economic Forum, buildings cause 39% of global carbon emissions, including 28% of the operational emissions and 11% of the total building materials and construction. Reducing carbon emissions from buildings is critical to achieving the Paris climate goals and net-zero emissions by 2050. Therefore, Sustainable Net-Zero-Energy Building Solutions are urgently needed as they can offer numerous benefits. This is essential to address the urgent environmental challenges of our time, improve building occupants' quality of life, create economic opportunities, and contribute to a more sustainable and resilient future for communities worldwide.

By investigating Sustainable Net-Zero-Energy Building Solutions, we can learn from the best practices and experiences of different countries and regions and develop new technologies and policies to support the transition to a low-carbon and sustainably built environment. We invite researchers from various disciplines to submit original research articles or review articles to this Special Issue.





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Message from the Editor-in-Chief

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