

Special Issue

Smart Energy Technologies for Low-Carbon, High-Performance Buildings

Message from the Guest Editor

The building sector will play a crucial role in achieving global climate and energy targets, as it accounts for a significant share of energy consumption and greenhouse gas emissions. This Special Issue will focus on smart energy technologies that enhance the energy efficiency, sustainability, and overall performance of buildings while supporting low-carbon development. Topics of interest include advanced building energy systems, renewable energy integration, intelligent control strategies, energy storage, digitalization, and innovative materials. By combining theoretical, numerical, and experimental approaches, this Special Issue aims to provide a comprehensive platform for researchers and practitioners to present their cutting-edge solutions for high-performance, energy-efficient, and climate-resilient buildings.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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