Special Issue

Advances in Building Energy Efficiency and Design

Message from the Guest Editors

This Special Issue will showcase innovative research and experimental advancements in the fields of energy-efficient building technologies and sustainable architectural design. It invites contributions exploring high-performance building systems, renewable energy integration, smart energy management, and data-driven optimization for sustainable construction. Relevant areas include, but are not limited to, the following:

- Energy-efficient building materials and construction techniques;
- Renewable energy integration in buildings;
- Smart building technologies and IoT-based solutions;
- Urban energy planning and sustainable infrastructure;
- Computational modeling and simulations for energy optimization;
- Case studies on high-performance, sustainable architecture.

This Special Issue welcomes original research, theoretical developments, and practical applications that promote a deeper understanding of energy-efficient and sustainable building design, aiming to address global challenges in energy consumption and environmental sustainability.

Guest Editors

Prof. Dr. Sergio J. Gómez Melgar
Prof. Dr. Miguel Hernández-Valencia
Prof. Dr. José Manuel Andújar Márquez

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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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