

Special Issue

Advanced Energy Systems and Technologies for Building Energy Efficiency to Achieve Sustainability

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Advanced Energy Systems: Exploration of cutting-edge energy systems like microgrids, renewable energy sources, and energy storage in the context of building applications;
- Smart Control Technologies: Investigation into intelligent control systems that optimize energy consumption, enhance occupant comfort, and contribute to grid stability;
- Building Information Modeling (BIM): Use of BIM for energy analysis, life cycle assessment, and real-time monitoring to improve building sustainability;
- Life Cycle Assessment: Comprehensive studies that evaluate the environmental impact of building materials, construction processes, and operational efficiency;
- Human–Building Interactions: Examination of how human behavior impacts energy consumption and how this can be modeled to improve building performance;
- Socio-Economic Factors: Consideration of the economic feasibility and social implications of implementing advanced energy and control systems in buildings;

Guest Editors

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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