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Development in Smart and Energy-Efficient Buildings and Renewable Energy Systems

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Message from the Guest Editors

In today's world, energy is one of the most disputed and pivotal issues. It makes remarkable contributions to many aspects of any country, such as social, economic, industrial, technological, and sustainable development contributions. Among different sectors, buildings—encompassing residential, educational, commercial, office, etc.—consume massive amounts of energy—mainly generated by fossil fuels—and are responsible for one-third of greenhouse gas (GHG) emissions worldwide. Given the environmental and public health issues caused by utilizing non-renewable carbon-based energy sources, we need to phase them out and transition to clean, carbon-free (or at least low-carbon), and renewable energy sources coupled with eco-friendly technologies and sustainable practices.

The current Special Issue aims to fill knowledge gaps and aid in the development of technologies for smart and energy-efficient buildings and renewable energy systems. Original research articles, review articles, case studies, and technical notes are welcome in this Special Issue.



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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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