

Special Issue

Buildings Energy Efficiency and Innovative Energy Systems

Message from the Guest Editor

Dear colleagues: Buildings represent about 36% of global final energy consumption and nearly 40% of total direct and indirect GHG emissions. As the world faces the need for a quick change in the energy system(s), the research priorities that can best contribute to these efforts must now more than ever include concerns like cost, socioeconomic acceptance, and behavioral issues, in order to facilitate a quick and massive adoption. This Special Issue thus intends to promote a comprehensive approach to the theme of Energy Efficiency and Innovative Energy Systems in Buildings, including topics such as:

- Energy efficiency and performance metrics;
- Performance assessment of the existing stock;
- Integration and synergies with on-site renewables;
- Innovative design strategies;
- Innovative technological solutions;
- Maximization of electric demand–response potential;
- Financing instruments for energy efficiency actions;
- Rebound effects and behavioural issues;
- Non-energy benefits of actions;
- Retrofit strategies and case studies.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2020)



Energies

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Impact Factor 3.2
CiteScore 7.3



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About the Journal

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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