

Special Issue

Research in Building Physics and Renewable Energy

Message from the Guest Editors

The increasing attention given by researchers to buildings and renewable energy source applications is determining the advances in the creation of new construction concepts, modeling, design, the adoption of new materials and management. Thus, the conventional way of thinking about buildings and renewables is being positively altered by topics such as near-zero or plus energy buildings, smart energy systems, intelligent building, hybridization of energy sources, electrical and thermal energy storage, aimed retrofit interventions and optimization of installation operations. Significant research efforts are focused on these topics in order to provide new theoretical and practical knowledge. The scope of this Special Issue is to invite authors who wish to publish their novel research studies regarding theoretical approaches, modeling methods, design criteria, measurement and experimental methods, application of new materials and technologies, complex analyses and optimization in buildings and/or renewable energy systems. Keywords:

- buildings
- renewable energy systems
- materials
- novel technologies
- emission reduction
- energy efficiency
- modeling
- design
- optimization

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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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