Special Issue

Environmental Technology Applications in the Retrofitting of Residential Buildings

Message from the Guest Editors

The application of renewable energy and innovative environmental technologies is important for the improvement of existing buildings. The purpose of this Special Issue is to acknowledge actual experimental work undertaken for the purpose of applying, sizing and/or optimising the use of renewable energy sources and innovative environmental technologies in retrofitted buildings. While much of the present research focus is directed towards new buildings, this Special Issue intends to observe and acknowledge what the possibilities are for existing projects. In alignment with this theme is the desire to explore affordable strategies. In this Special Issue, we are looking for a multitude of solutions that can achieve high environmental performing affordable buildings. The objective here is to explore renewable energy systems, ventilation strategies, innovative conditioning systems, construction retrofits, new sensor technologies as well as optimised control strategies and more. We welcome your contributions.

Guest Editors

Prof. Dr. Mark B. Luther

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Dr. Gerhard Zucker

Deadline for manuscript submissions

closed (31 July 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/66589

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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.

Editor-in-Chief

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