Special Issue

Design Considerations for Low Energy Resilient Buildings

Message from the Guest Editor

Global warming and climate change have affected our way of living and built environment. In regions with harsh climatic conditions, a substantial share of energy is used for heating and cooling the buildings. The energy consumption of the building sector is high, and although the situation differs from country to country, buildings are responsible for about 30–40% of the total energy demand. In Europe, however, buildings are responsible for 40–50% of energy use, and the largest share of energy in buildings is used for heating. This Special Issue aims to assess the potential effects of climate change on the energy and hygrothermal performance and durability of buildings. Keywords

- Heat, air, and moisture transport
- Low energy
- Resilient buildings
- Construction designs
- Risk of condensation and mould growth
- Air leakage
- Exterior insulation
- Hygrothermal performance
- Energy performance
- Climate change

Guest Editor

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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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