



Design Considerations for Low Energy Resilient Buildings

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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





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Message from the Editor-in-Chief

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