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Latest Research on Heat and Mass Transfer in Buildings

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Message from the Guest Editors

Buildings are one of the largest consumers of thermal energy, and therefore the main efforts of researchers are aimed at minimizing energy demand. Any reliable assessment of the energy efficiency of a building includes the identification and modeling of heat and mass transfer phenomena, both in the building envelope and inside the building, and in engineering systems for the generation, recovery, storage, and distribution of energy.

This Special Issue aims to display the recent advances in experimental analysis, computer modeling with the assessment of the energy characteristics of a building by identifying thermal and mass transfer processes in building envelopes, in the volume of buildings, and in engineering energy supply systems.

- Energy assessment of buildings and computer modeling;
- Passive energy saving in buildings;
- Analytical and numerical study of the combined transfer of heat and moisture in porous building materials;
- Processes of heat and mass transfer in building envelopes and engineering systems of generation, recovery, storage, and distribution of energy.



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Special Issue



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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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