Special Issue

Latest Research of Building Heat and Mass Transfer

Message from the Guest Editors

Heat and mass transfer processes are present in all engineering applications and play a fundamental role in improving the efficiency of energy conversion systems. Buildings are one of the largest consumers of thermal energy, and therefore the main efforts of researchers are aimed at minimizing energy demand. Thus, this Special Issue is aimed at acquainting with 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 the building and computer modeling;
- Passive energy saving in the building;
- 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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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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