Special Issue

Latest Research on Heat and Mass Transfer in Buildings

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.

Guest Editors

Prof. Dr. Hanna Koshlak

Department of Sanitary Engineering, Kielce University of Technology, Al. Tysiąclecia Państwa Polskiego 7, 25-314 Kielce, Poland

Prof. Dr. Anatoliy Pavlenko

Faculty of Environmental, Geomatic and Energy Engineering Kielce University of Technology, Al. Tysiąclecia Państwa Polskiego 7, 25-314 Kielce, Poland

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

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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

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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