Special Issue

Heat and Mass Transfer in Building Energy Performance Assessment

Message from the Guest Editors

This Special Issue aims at providing recent developments in laboratory analyses, computational modeling and in situ measurements related to the assessment of building energy performance based on the proper identification of heat and mass transfer processes in building structures. Potential topics include but are not limited to the following:

- Development, calibration and validation of advanced mathematical models for the description of heat and mass transfer in building materials and structures
- Computational modeling of heat and mass transfer in building materials and structures aimed at energy performance assessment
- Boundary conditions for building energy performance simulations in light of climate change trends
- Advanced experimental techniques for the determination of heat and mass transport and the storage properties of building materials
- On site monitoring and verification of building energy performance
- Research and development of new materials with high potential to improve the energy performance of buildings

Guest Editors

Prof. Dr. Robert Černý

Dr. Ákos Lakatos

Dr. Václav Kočí

Deadline for manuscript submissions

closed (20 September 2019)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/22369

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)

MDPI