Special Issue

Review and Recent Advances in Computational and Experimental Heat and Mass Transfer

Message from the Guest Editors

Heat flows and mass transport through porous and non-porous media signify one of the most active areas of research in modern energy engineering. The focus of this Special Issue is on the current state of research and education in computational and experimental studies of combined heat and mass transfer. Manuscripts to be included in the Special Issue should therefore concentrate on a range of topics including diffusion; forced convection; natural convection; mixed convection; combined processes; and other industrial applications. We would also welcome research on heat transfer enhancement in heat exchangers and fluidized beds and on the practical use of thermodynamic methods in the design and optimization of these systems. A broad outline of this Special Issue's scope includes peer-reviewed original research articles, technical reports, review papers, short communications, and notes to the editor. Thus, high-quality research papers or reviews dealing with any aspect of heat and mass transfer are welcomed. Papers may be theoretical, numerical, or experimental.

Guest Editors

Dr. Maryam Ghodrat
School of Engineering and Information Technology, University of New South Wales Canberra, Canberra, ACT 2610, Australia

Dr. Amin Shahsavar
Department of Mechanical Engineering, Kermanshah University of Technologies, Kermanshah, Iran

Deadline for manuscript submissions

closed (30 June 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 8.3

mdpi.com/si/139518

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 8.3

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)