



processes



an Open Access Journal by MDPI

Numerical Simulation of Heat and Mass Transfer in Multiphase Flows

Guest Editors:

Dr. Olga Soloveva

Institute of Heat Power
Engineering, Kazan State Power
Engineering University, Kazan,
Russia

Dr. Sergei Solovlev

Institute of Digital Technologies
and Economics, Kazan State
Power Engineering University,
Kazan, Russia

Deadline for manuscript
submissions:

closed (10 October 2023)

Message from the Guest Editors

This issue focuses on presenting worldwide numerical and experimental studies of heat exchange processes in multiphase flows of various technical and natural systems. Such interdisciplinary work, combining the fundamentals of heat transfer, multiphase mechanics, and numerical methods, is at the peak of modern scientific research and can significantly contribute to the development of new technologies and optimization of technological processes. Experts in the field of heat transfer in multiphase flows are invited to submit review articles, short notes, ongoing research papers to the Special Issue of *Processes*—"Numerical Simulation of Heat and Mass Transfer in Multiphase Flows".



mdpi.com/si/87301

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)