Special Issue

Enhancement of Heat Transfer and Fluid Flow

Message from the Guest Editors

This topic encompasses enhanced heat transfer and fluid flow in natural and forced convection of liquids and gases, conduction and radiation heat transfer as well as boiling and condensation. A variety of enhancement techniques for heat transfer and fluid flow are being researched to improve the thermal and hydraulic performance of heat exchangers, heat pumps, turbomachinery, HVAC&R components, renewable energy systems, internal combustion engines, and energy conversion processes. These enhancement techniques include but are not limited to improved geometries and shapes, extended surfaces, active and passive fluid flow control, microscale and nanoscale heat transfer and fluid flow, nanofluids, and multiphase flow. This Special Issue is open for original research articles that use experimental, theoretical, or computational approaches to the study of heat transfer and fluid flow enhancement. Review articles about the latest developments and research efforts in this field are also welcome.

Guest Editors

Prof. Dr. Paolo Blecich
Faculty of Engineering, University of Rijeka, 51000 Rijeka, Croatia

Prof. Dr. Tomislav Mrakovčić
Faculty of Engineering, University of Rijeka, 51000 Rijeka, Croatia

Deadline for manuscript submissions

closed (31 May 2022)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/70385

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

mdpi.com/journal/processes

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/journal/processes

About the Journal

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.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, 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, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))

MDPI