Special Issue

Modern Trends in Multi-Phase Flow and Heat Transfer

Message from the Guest Editors

In this Special Issue, manuscripts on experimental and theoretical studies pertaining to contemporary developments in the disciplines of

- Fundamental challenges, technological advancements, and problems in thermal transfer, critical heat flux, and multi-phase flow with nanofluids dynamics.
- The significance of transient power spikes on the temperature transfer coefficient undergoing flow boiling throughout single micro-scale conduits.
- Evaporation, Marangoni, nanofluids, and thermocapillary convection.
- Drop impact on uneven or constructed, rough surfaces (i.e., flexible, textile surfaces, and porous)
- Convective heat exchange in a porous thermally layer saturated with Newtonian and non-Newtonian nanofluids.
- The influence of heat on thermophysical properties in sheared nanoparticle suspensions.
- Advanced measurement techniques in this field.
- Adhesion and Wettability of complex surfaces and/or fluids.

Guest Editors

Prof. Dr. Mohammad Mehdi Rashidi

Institute of Fundamental and Frontier Sciences, University of Electronic Science and Technology of China, Chengdu 610054, China

Dr. Muhammad Mubashir Bhatti

College of Mathematics and Systems Science, Shandong University of Science and Technology, Qingdao 266590, China

Deadline for manuscript submissions

closed (31 May 2024)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/161765

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

mdpi.com/journal/entropy

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/journal/entropy

About the Journal

Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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), Inspec, PubMed, PMC, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Physics, Multidisciplinary) / CiteScore - Q1 (Mathematical Physics)

MDPI