Special Issue

New Insights into Heat and Mass Transfer

Message from the Guest Editor

Heat transfer and mass transfer are processes modeled by similar mathematical equations in the case of diffusion and convection. Many engineering disciplines cover heat and mass transfer principles, from theoretical research to fundamental studies, mathematical modeling, numerical simulations, and experimental investigations. Its applications cover equipment, systems, processes, or materials. The topics of interest include new insights but are not limited to the following: relativistic heat conduction, energy conversion and storage systems, heat exchangers, fuel cells, heat pipe, heat transfer enhancement, thermophysics, computational techniques in conduction, convection, and radiation heat transfer, thermal engineering, mass transfer phenomena and engineering, energy conversion, flow architecture optimization in convective heat transfer, informational analysis in heat transfer, ANN for modeling heat and mass transfer, radiative cooling engineering.

Guest Editor

Dr. Miguel R. Oliveira Panão
Department of Mechanical Engineering, Rua Luis Reis Santos, University of Coimbra, 3030-788 Coimbra, Portugal

Deadline for manuscript submissions

closed (30 May 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/123178

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, 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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)