

Special Issue

Dynamic, Magnetic and Thermal Properties of Nanofluids

Message from the Guest Editors

Advanced electronic gadgets frequently encounter challenges because of the heat control from the enhanced thermal rise or the reduction in the available space for thermal emission. Such drawbacks are overwhelmed by the development of a pre-eminent model for heat-repelling equipment or by amplifying thermal transport features. One of the biggest challenges arises in how to manage efficient thermal transportation in heat exchangers. The idea of enhancing the thermal conductivity of working fluids promised a popular solution to the confronting situation. Nanofluids have expanded the enthusiasm for many engineering fields because of their excellent characteristics, which can be effectively utilized in electronics cooling and also improve energy effectiveness. For almost two decades, nanofluid has been used as an advanced heat transfer fluid, especially in power generation, transportation, electronics cooling, chemical production and biomedical industries.

Keywords:

- magnetohydrodynamics
- nanofluids
- thermal radiation
- heat transfer analysis
- numerical simulation

Guest Editors

Dr. Hassan Waqas

Dr. Syed Muhammad Raza Shah Naqvi

Dr. Sajjad Hussain

Deadline for manuscript submissions

closed (20 August 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/163764

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

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

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