

Special Issue

Mathematical Methods on Mechanical Engineering

Message from the Guest Editors

In general, heat transport is challenging to adapt analytical methods to the retrieval of confined solutions for the governing equations of heat transfer. The art of mathematical modelling involves transforming issues from a real-world application field into comprehensible mathematical formulations that are capable of analytical and simulation analysis which can offer understanding, solutions, and directions that aid the original applications. The appropriate numerical approach needs to be adopted when dealing with challenging heat transport issues. We deal with fluid flow, heat, and mass transfer in many facets of life. This Special Issue focuses on advanced and contemporary subjects in the disciplines of mathematical and computational studies pertaining to fluid dynamics with heat and mass transport, as this study is crucial for advanced applied research in science, engineering, and technology. We intend to gather academicians, researchers, and scientists who can share their original scientific research for publication in this Special Issue.

Guest Editors

Prof. Dr. Mohsen Sharifpur

Prof. Dr. Josua Meyer

Dr. S. Suseel Jai Krishnan

Deadline for manuscript submissions

closed (31 December 2023)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/136154

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

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





Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



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



About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).