

Special Issue

Engineering Thermodynamics and Fluid Mechanics

Message from the Guest Editors

In recent years, scientific research has increasingly highlighted the importance of many topics at the intersection of physics and applied mathematics, which have a significant impact both from the perspective of analytical–numerical modeling and industrial applications. Among these topics, the development of physical–mathematical models for magnetorheological fluids, advanced thermodynamic theories for fluids, rheological models for biological fluids, and the study of nonlinear wave propagation stand out in particular. This Special Issue entitled *"Engineering Thermodynamics and Fluid Mechanics"* aims to collect high-quality contributions that explore the latest developments in these areas, embracing both theoretical studies and practical applications, including the use of next-generation materials that are redefining the possibilities in these fields.

Guest Editors

Prof. Dr. Annunziata Palumbo

Department of Mathematics and Computer Sciences, Physical Sciences and Earth Sciences (MIFT), University of Messina, I-98122 Messina, Italy

Dr. Mario Versaci

Dipartimento di Ingegneria Civile Energia Ambiente e Materiali (DICEAM), Mediterranean University, I-89122 Reggio Calabria, Italy

Deadline for manuscript submissions

20 May 2026



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/220699

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).