Special Issue

Modelling and Simulation of Complex Physical Systems

Message from the Guest Editor

In this Special Issue, we aim to present an overview of how, in the last 20 years, the development of "finite time thermodynamics" has been enriched with multiple applications addressing topics such as "quantum machines", the modelling of energy converter systems, and the development of algorithms that complement the basic principle of finite time in energy transfer processes. This Special Issue will accept high-quality papers containing original research results and review articles of exceptional merit in the following fields:

- Stability;
- Modelling of thermal systems;
- Application of ecological criteria;
- Finite time development;
- Alternative objective function criteria.

Guest Editor

Prof. Dr. Delfino Ladino-Luna

Departamento de Ciencias Básicas, Universidad Autónoma Metropolitana (Campus Azc.), Azcapotzalco, Ciudad de México 02200, Mexico

Deadline for manuscript submissions

31 July 2025

Σ

Mathematics

MDPI

Σ

Mathematics

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 18.3 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2024).

MDPI