Special Issue

Analytical Approaches to Nonlinear Dynamical Systems and Applications II

Message from the Guest Editor

Dear Colleague, Starting from the reality that analytical approaches allow for deeper insights into nonlinear dynamical phenomena, the present Special Issue of *Mathematics* focuses on emphasizing new trends and recent developments in the analytical investigation of nonlinear dynamical systems that are governed by nonlinear differential equations. Submissions of research papers presenting the analytical treatment of nonlinear dynamical systems with applications in various fields of research, such as physics, applied mathematics, mechanics, engineering, life sciences, and interdisciplinary approaches emphasizing directions for future research are welcome.

Guest Editor

Prof. Dr. Nicolae Herisanu

- 1. Department of Mechanics and Strength of Materials, University Politehnica Timisoara, 300222 Timisoara, Romania
- 2. Department of Electromechanics and Vibration, Center for Advanced and Fundamental Technical Research, Romanian Academy, 300223 Timisoara, Romania

Deadline for manuscript submissions

closed (31 July 2024)



Mathematics

an Open Access Journal by MDPI

Impact Factor 2.2 CiteScore 4.6



mdpi.com/si/120522

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

mdpi.com/journal/mathematics





Mathematics

an Open Access Journal by MDPI

Impact Factor 2.2 CiteScore 4.6



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).

