Special Issue

Mathematical Modelling of Nonlinear Dynamical Systems

Message from the Guest Editors

We are pleased to announce a call for submissions to a Special Issue titled "Mathematical Modelling of Nonlinear Dynamic Systems". We invite our colleagues, friends, and other researchers in the field of nonlinear dynamical systems to contribute their latest research findings, reviews, and insightful perspectives. The aim is to bring together cutting-edge research that addresses the complexities and challenges associated with the mathematical modeling of nonlinear dynamical systems across various fields. Additionally, this Special Issue welcomes works on fractional calculus, which has emerged as a powerful tool for modeling complex phenomena characterized by nonlocality and long-memory effects, as well as its wide-ranging applications in engineering, physics, biology, economics, and other disciplines. This issue aims to provide a platform for disseminating innovative research that advances our understanding of the behavior, control, and optimization of nonlinear dynamical systems.

Guest Editors

Prof. Dr. Guillermo Huerta-Cuellar

Prof. Dr. Jesus M. Munoz-Pacheco

Dr. José Luis Echenausía-Monroy

Deadline for manuscript submissions

28 February 2026

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Mathematics

MDPI

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

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