

Special Issue

Applied Mathematical Modelling and Dynamical Systems

Message from the Guest Editors

We are pleased to announce a Special Issue of the journal *Mathematics* entitled “Applied Mathematical Modelling and Dynamical Systems”. Many problems in our society are solved several times through the construction of little bridges connecting different branches of Mathematics. Dynamical systems can model many different phenomena in nature and society. The goal of all theoretical studies is to analyze and understand processes often related to different fields of application such as control theory, bifurcation theory, population dynamics, networks, synchronization phenomena, electronics, physics, mechanics, economics, biology, and ecology, among so many others. This Special Issue welcomes original research articles, short communications, and review papers. Potential topics include theoretical studies as well as analyses of applied models related to all the fields cited above.

Guest Editors

Dr. João Manuel Gonçalves Cabral

Prof. Dr. Daniele Fournier-Prunaret

Prof. Dr. José Leonel Linhares da Rocha

Deadline for manuscript submissions

closed (31 July 2023)



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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

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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).