

Special Issue

Difference and Differential Equations and Applications

Message from the Guest Editors

The theory and methods of discrete, continuous, and delay dynamical systems have a broad range of applications in engineering, economics, life science, and other areas. The aim of this Special Issue is to publish research papers in the recent development of the theory and particularly the applications in biology. Articles on applications in this Special Issue can be on the following subjects: mathematical modeling of real-world problems, population dynamics, transmission dynamics of infectious diseases, gene expression, neural network, and evolutionary dynamics. Both qualitative and quantitative analyses of model dynamics are considered. While the focus of this Special Issue is on mathematical biology, topics on discrete or continuous dynamical systems and applications in other areas are also welcome.

Guest Editors

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Prof. Dr. Jianshe Yu

Prof. Dr. Bo Zheng

Deadline for manuscript submissions

closed (15 March 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.

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Prof. Dr. Francisco Chiclana

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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).