

Special Issue

Advances in Nonlinear Equations: Solutions and Applications

Message from the Guest Editor

This Special Issue, "Advances in Nonlinear Equations: Solutions and Applications", invites researchers to contribute original work that tackles both the theoretical and practical dimensions of nonlinear equations. As a central component of our journal *Mathematics*, this edition seeks to highlight cutting-edge advancements and interdisciplinary applications. The focus is on rigorous investigations into solution existence, stability, bifurcation phenomena, and the development of innovative computational schemes. Nonlinear equations are fundamental in describing complex systems across fields such as physics, engineering, biology, and economics. Therefore, we encourage submissions that not only develop novel mathematical frameworks but also address the real-world challenges inherent in modeling and solving nonlinear problems. By fostering a dialogue between pure and applied research, this Special Issue aims to provide a comprehensive platform that sparks further exploration and collaboration among scholars. Contributions should be methodologically sound, offering deep insight into the intricacies of nonlinear behavior and its myriad applications.

Guest Editor

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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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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).