

Special Issue

Recent Advances in the Theory, Numerical Analysis, and Applications of Fractional Calculus

Message from the Guest Editor

In recent decades, fractional calculus has emerged as a powerful mathematical tool for modeling various phenomena across multiple scientific disciplines, including physics, economics, biology, and engineering. This Special Issue seeks to present high-quality research contributions that present significant advancements in the mathematical and numerical analysis of fractional integrals and derivatives, fractional differential equations, and stochastic fractional differential equations. Additionally, we welcome fractional-order models and well-founded applications of fractional calculus to real-world problems.

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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