

Special Issue

New Advances in Inequalities and Applications

Message from the Guest Editor

The significance of mathematical inequalities in the development and advancement of various fields of mathematics as well as the applied sciences have been well established over the past several years. The theory of inequalities has been recognized as one of the central areas of mathematical analysis throughout the last century and is a fast-growing discipline, with ever-increasing applications in many scientific fields such as mathematical economics, game theory, control theory, information theory, operation research, probability, and statistics. This Special Issue aims to collate both original research and review articles on mathematical inequalities and its applications. The research topics invited for submission include, but are not limited to, the following:

- Inequalities in analysis,
- Inequalities in fractional calculus
- Inequalities in time-scale calculus
- Inequalities in approximation theory,
- Inequalities in economics,
- Inequalities in geometry,
- Inequalities in optimization,
- Inequalities in probability and stochastic analysis.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).