

Special Issue

New Advances in Mathematical Analysis and Applications

Message from the Guest Editors

The Special Issue “New Advances in Mathematical Analysis and Applications” aims to present recent developments in theoretical and applied aspects of mathematical analysis and its applications in science and engineering. The Special Issue will focus on modern analytical methods, numerical techniques, and mathematical models that address nonlinear phenomena, differential equations, dynamical systems, and computational challenges arising in real-world problems. Topics of interest include, but are not limited to, the following: qualitative analysis of differential equations; numerical methods for ordinary and partial differential equations; stability and convergence analysis; nonlinear dynamics; mathematical modeling in physics, engineering, and applied sciences. The Special Issue seeks contributions that combine rigorous mathematical analysis with practical applications, as well as works that introduce new computational approaches or extend classical analytical results to contemporary problems.

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Deadline for manuscript submissions

30 November 2026



Mathematics

an Open Access Journal
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Impact Factor 2.3
CiteScore 5.4



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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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