

Special Issue

Quantitative Analysis and Mathematical Modeling in Economics and Financial Decision-Making

Message from the Guest Editor

This Special Issue aims to highlight the essential role of mathematical tools and quantitative methods in understanding and optimizing decision-making processes in key areas of the contemporary economy. We welcome contributions that demonstrate the power of data-driven approaches and mathematical modeling in addressing major economic, financial, and societal challenges. **Topics of interest include, but are not limited to, the following:**

- The influence of religious and cultural values on economic and managerial decisions;
- Predictive analytics and risk modeling in financial systems;
- Integration of digital technologies and artificial intelligence in economic analysis and planning;
- The role of quantitative tools in evaluating economic performance and sustainability.

In a world increasingly shaped by digital transformation, exploring how quantitative analysis can support innovation, efficiency, and resilience in economic systems has become essential. We encourage interdisciplinary research that bridges mathematics, economics, data science, and social sciences to generate practical and impactful insights.

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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