

Special Issue

Mathematical Models and Data-Driven Algorithms for Solving Economic Problems

Message from the Guest Editors

Mathematical modelling and sophisticated data-driven algorithms are increasingly essential for the resolution of intricate economic and financial issues. The objective of this Special Issue is to compile exceptional contributions that address economic and financial challenges by introducing and implementing mathematical models and algorithmic approaches. The subjects include policy design, risk management, algorithmic trading, sustainable business models, decision-making under uncertainty, and predictive analytics for markets, among others. Theoretical advancements and empirical applications are both encouraged, with a particular emphasis on those that illustrate the potential of innovative algorithms and rigorous mathematical tools to address real-world economic challenges. We extend an invitation to researchers from academia and industry to submit their original and unpublished work, thereby promoting an interdisciplinary dialogue at the intersection of data science, economics, and mathematics.

Guest Editors

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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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