Special Issue

Advanced Optimization Techniques and Applications in Financial Mathematics and Cryptocurrency Markets

Message from the Guest Editor

The goal of this Special Issue is to bring together some of the most innovative research that uses advanced optimization techniques to tackle tough challenges in financial mathematics and the world of cryptocurrency. We want to create a lively space for researchers and practitioners to share ideas, develop, and apply sophisticated mathematical, statistical, and computational optimization methods to the exciting field of financial economics and the rapidly evolving crypto-asset markets. We are looking for theoretical contributions, fresh methodologies, and real-world applications that shine a light on optimization challenges. We are especially keen on submissions that dive into portfolio optimization, cryptocurrency diversification, systemic risk measurement, volatility modeling, risk management, and models that explore how people make financial decisions. If you have high-quality articles that use advanced mathematical techniques like copula-based modeling, machine learning algorithms, evolutionary optimization methods, chaos-based models, or AI-driven solutions to tackle financial issues, we would love to see them!

Guest Editor

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Deadline for manuscript submissions

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Mathematics

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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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