

Special Issue

Mathematical Problems in Financial Fluctuations and Forecasting

Message from the Guest Editor

Financial fluctuations and forecasting are extremely crucial topics in the field of mathematical finance. They are not only directly related to the stability and operational efficiency of financial markets but also play a crucial role in the decision-making of investors and the risk management of financial institutions. This Special Issue, titled "Mathematical Problems in Financial Fluctuations and Forecasting", is committed to gathering numerous original research articles and professional reviews that focus on the application of mathematical foundations and innovative methods in the dynamic and forecasting analysis of financial markets. It will pay close attention to the mathematical and statistical methods of financial fluctuation modeling, striving to provide new insights and, based on these insights, continuously improve the accuracy of financial forecasting. The content of the Special Issue will cover a wide range of cutting-edge topics, including stochastic processes, time series analysis, machine learning techniques, and various computational methods specifically applied to financial data. We look forward to receiving your contributions.

Guest Editor

Prof. Dr. Lu Wang

Department of Statistics, School of Mathematics, Southwest Jiaotong University, Chengdu 610031, China

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Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

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