Special Issue

Advanced Research in Mathematical Economics and Financial Modelling

Message from the Guest Editors

This Special Issue aims to inform both the body of knowledge and the practice on aspects of mathematical economics and financial modelling. Mathematical economics and financial modelling, as emerging interdisciplinary subjects of mathematics, finance and economics, are characterized by the use of effective mathematical tools to reveal the essential characteristics of finance and economics and the general law of economic operation. In recent years, recurrent global epidemics, tightening monetary policies, and geopolitical and military conflicts have caused considerable fluctuations in asset prices in global financial markets. In this context, some problems are worth further discussing: The first is the application of economic and financial mathematics methods to explore the volatility of asset prices and establish mathematical models of the evolution of asset prices over time. The second is the use of mathematical tools and methods to solve the pricing and optimal allocation of financial assets. The third is the implementation of mathematical principles and advanced econometric models to investigate economic quandaries and to understand and predict economic behavior.

Guest Editors

Prof. Dr. Oana-Ramona Lobonț

Prof. Dr. Chi-Wei Su

Prof. Dr. Noja Grațiela Georgiana

Dr. Weike Zhang

Deadline for manuscript submissions

closed (28 February 2025)

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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