

Special Issue

Mathematical Methods and Statistics for Economics, Actuarial Science and Finance

Message from the Guest Editor

Through this Issue, we aim to attract papers covering the myriad facets of the analysis and modeling of economics, actuarial science, and finance. The rapid advances in these fields, combined with the increasing complexity of financial markets and economic systems, necessitate the development and application of sophisticated analytical tools. This Special Issue welcomes high-quality, original research papers on a wide range of topics, including (but not limited to) the following:

- Econometrics;
- Financial Mathematics;
- Actuarial Modeling;
- Mathematical Economics;
- Quantitative Finance;
- Statistical Analysis and Modeling;
- Time Series Analysis;
- Optimization Techniques;
- Machine Learning in Finance;
- Big Data Analytics for Economic and Financial Applications.

This Special Issue encourages the submission of various types of papers, including theoretical papers that introduce novel mathematical or statistical frameworks, empirical studies that apply advanced analytical techniques to real-world economic, actuarial, or financial problems, as well as methodological papers that propose new algorithms or computational methods.

Guest Editor

Dr. Min Shu

Department of Statistics, Actuarial and Data Sciences, Central Michigan University, Mount Pleasant, MI 48859, USA



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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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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).