

# Special Issue

## Computational Models in Insurance and Financial Mathematics

### Message from the Guest Editors

Advancements in computational and mathematical modeling are revolutionizing the fields of insurance and financial mathematics by improving risk assessment and uncertainty management. Recent studies highlight the effectiveness of computational approaches in evaluating financial risk management strategies and policy outcomes. This Special Issue aims to showcase cutting-edge research that leverages stochastic systems, numerical optimization, machine learning, and econometric techniques to tackle challenges in finance and insurance. By addressing complex problems in these fields, we seek to promote innovative solutions in risk evaluation, strategic decision making, and policy development. We invite high-quality research contributions that apply computational techniques to insurance and financial mathematics.

### Guest Editors

Dr. Linyi Qian

School of Statistics, East China Normal University, Shanghai 200050, China

Prof. Dr. Zhuo Jin

Department of Actuarial Studies and Business Analytics, Macquarie University, Sydney 2113, Australia

### Deadline for manuscript submissions

10 October 2025



## Mathematics

an Open Access Journal  
by MDPI

Impact Factor 2.2  
CiteScore 4.6



[mdpi.com/si/232370](https://mdpi.com/si/232370)

*Mathematics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)

[mdpi.com/journal/  
mathematics](https://mdpi.com/journal/mathematics)





# Mathematics

---

an Open Access Journal  
by MDPI

---

**Impact Factor 2.2**  
**CiteScore 4.6**



[mdpi.com/journal/  
mathematics](https://mdpi.com/journal/mathematics)



## 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

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

#### Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

#### 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).