



Advanced Methods in the Mathematical Modeling of Economics, Econometrics, and Financial Management

Guest Editors:

Dr. Pavol Durana

Faculty of Operation and
Economics of Transport and
Communications, University of
Zilina, Univerzitna 1, 010 26
Zilina, Slovakia

Dr. Katarina Valaskova

Faculty of Operation and
Economics of Transport and
Communications, University of
Zilina, Univerzitna 1, 010 26
Zilina, Slovakia

Deadline for manuscript
submissions:

closed (31 May 2025)

Message from the Guest Editors

Mathematical modeling is a fundamental academic matter to cover the endless drivers of change in economics. However, it also provides a preferred tool for economic development, sustainable business finance, and prosperous corporate life. These facts are supported by the conclusions of worldwide surveys and studies. Thus, this Special Issue focuses on the use of advanced methods of mathematical modeling in the topics presented and reflects recent methods used to face the challenges of business model transformation and optimization of corporate finance. Concerns also include how to adapt to new industries, products, ideas, and other parts of the global market and still be profitable.

We encourage researchers to submit original manuscripts that address the methods of the theory and application of mathematical modeling in economics, econometrics, and financial management.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us

Mathematics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/mathematics
mathematics@mdpi.com
X@MathematicsMDPI