

Special Issue

Mathematical Modeling and Machine Learning with Application to Economics and Finance

Message from the Guest Editor

The purpose of this Special Issue is a collection of articles devoted to the development and implementation of advanced mathematical and computational methods in the field of economics, finance and social science. These methods can be based both on traditional statistical modeling methods and on new tools associated with the development of intelligent digital technologies and data science. The focus of this Special Issue is mathematical modeling and machine learning for facing of such problems as digital economy, financial risks and social development under Industry 5.0. In the age of big data, statistics, machine learning and advanced analytics become highly important in the decision-making process in different fields of economics, social development, and finance. We are looking for new and innovative approaches to mathematical statistics and data science in multidisciplinary models. High-quality papers are solicited to address both theoretical and practical issues—advancements in statistical learning, high-dimensional approaches, complex data analysis, and causal inference, among others—will be highly welcome.

Guest Editor

Prof. Dr. Ekaterina Orlova

Department of Economics and Management, Ufa State Aviation Technical University, 450008 Ufa, Russia

Deadline for manuscript submissions

closed (31 March 2024)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/123258

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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).