

Special Issue

Construction and Research of Mathematical Models

Message from the Guest Editors

Mathematical modelling is a powerful scientific method. This method is the main method for studying physical laws. From physics, the method of mathematical modelling has spread to other areas of science. But the language of mathematics is only one of the languages for implementing models. With the development of computers, new types of modelling have appeared: simulation modelling, surrogate modelling. Furthermore, to describe the same phenomenon, it is possible to use not one model, but a whole ensemble of models. This kind of approach, when different realizations of models and ensembles of models are applied, we call the multi-model approach. This Special Issue focuses on the use of current advances in mathematical modelling in aspects of research and application of the multi-model approach. Besides, we consider various combined aspects of model investigation, for example, a combination of analytical and numerical research methods. We invite you to contribute and submit your latest research work.

Dr. Vladimir Vasilievich Korenkov

Guest Editors

Prof. Dr. Dmitry Sergeevich Kulyabov

Prof. Dr. Leonid Sevastianov

Prof. Dr. Vladimir Korenkov

Deadline for manuscript submissions

closed (15 November 2021)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/78955

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).