Special Issue

Applied and Computational Mathematics for Digital Environments, 2nd Edition

Message from the Guest Editor

This Special Issue covers optimizing real-world study and modeling using intelligent software and hardware based on math principles and modules. It presents practical implementations for software applications in "Industry 4.0" digital environments and considers scientific research and applied engineering tasks in the following areas:

- Building mathematical, structural, and information models of intelligent computer systems for monitoring and managing the parameters of digital environments;
- Software and mathematical technologies in the implementation of the intelligent monitoring and computer control of digital environments' parameters;
- Application of mathematical models, Internet of Things technologies, machine learning, and artificial intelligence for big data analysis of digital environments;
- Mathematical models and algorithms for identifying stable patterns between the parameters of digital environments and their complex and separate influence;
- Mathematical modeling, machine learning, and their implementation within the concept of "smart" digital environments.

Guest Editor

Prof. Dr. Liliya Demidova

Institute of Informational Technologies, Federal State Budget Educational Institution of Higher Education, MIREA—Russian Technological University, 78, Vernadsky Avenue, 119454 Moscow, Russia

Deadline for manuscript submissions

closed (5 January 2024)

Σ

Mathematics

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).

MDPI