

Special Issue

Advanced Methods and Applications in Medical Informatics

Message from the Guest Editors

Rapid advancements in information technology and data analytics have revolutionized the field of healthcare. Medical informatics, also known as health informatics, focuses on the application of information technology, data science, and machine learning methods to enhance the acquisition, storage, retrieval, and use of healthcare information. To further explore the latest developments in this domain, we are pleased to announce a Special Issue of *Mathematics* on "Advanced Methods and Applications in Medical Informatics". This Special Issue aims to provide a platform for researchers, academicians, and industry professionals to share novel findings, methodologies, and models that can contribute to further advancing the field. We encourage original research papers, reviews, or case studies that demonstrate innovative approaches, theoretical frameworks, experimental evaluations, and practical applications in medical informatics.

Guest Editors

Dr. Chengsheng Mao

Department of Preventive Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

Dr. Jie Xu

College of Medicine, University of Florida, Gainesville, FL, USA

Deadline for manuscript submissions

31 December 2025



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/179962

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).