

Special Issue

Recent Advances in Computational Statistics, 2nd Edition

Message from the Guest Editors

I am pleased to announce a Special Issue on “Recent Advances in Computational Statistics”. Nowadays, with the rapid development of computing facilities, computational statistics has been widely used for data analysis in a broad range of fields, such as actuarial science, biometrics, biomedical engineering, econometrics, environmental science, and finance markets. This Special Issue will emphasize the contribution and influence of computing on statistics and will present a collection of the latest developments in computational statistics, with a focus on statistical computing, algorithm, data analysis, machine learning, parallel computing, and simulation. Topics include, but are not limited to, new developments in the following:

- Advanced statistical analysis with data applications;
- Bayesian computing algorithms;
- Computational and statistical models;
- Computational methods of modeling and simulating real-world problems (e.g., the COVID-19 epidemic);
- Data mining and pattern recognition methods;
- Parametric and nonparametric machine learning algorithms;
- Statistical software development.

Guest Editors

Dr. Liucang Wu

Faculty of Science, Kunming University of Science and Technology,
Kunming 650500, China

Dr. Min Wang

Department of Management Science and Statistics, University of Texas
at San Antonio, San Antonio, TX 7824, USA

Deadline for manuscript submissions

closed (30 November 2024)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/192999

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).