

Special Issue

Mathematical Modelling and Statistical Methods of Quality Engineering

Message from the Guest Editor

The aim of this Special Issue on "Mathematical Modelling and Statistical Methods of Quality Engineering" is to showcase innovative research that integrates mathematical modelling and statistical methods to address challenges and enhance the understanding of quality-related phenomena. Contributions are sought in areas such as statistical process control, design of experiments, reliability analysis, quality optimization, Six Sigma, lean manufacturing, quality management systems, and more. The scope of this issue also includes the application of mathematical models, statistical techniques, data analysis, simulation, or optimization methods in quality engineering. We encourage submissions of original research articles, reviews, and case studies that present novel concepts, methodologies, and practical applications. By sharing diverse perspectives and experiences, this Special Issue aims to facilitate interdisciplinary collaboration and foster the exchange of knowledge and best practices in quality engineering.

Guest Editor

Prof. Dr. Changyun Lin

Department of Applied Mathematics and Institute of Statistics, National Chung Hsing University, Taichung City, Taiwan

Deadline for manuscript submissions

closed (31 March 2026)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/174951

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 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).