

# Special Issue

## Advances in Data Analytics for Manufacturing Quality Assurance

### Message from the Guest Editors

In this Special Issue, we are looking for high-quality research papers relevant to data analytics for manufacturing quality assurance, including process monitoring, anomaly/defect detection, variation quantification, system/process optimization, and reliability analysis. Articles that establish new methodologies in these topics or provide interesting and innovative applications are immensely welcome. Reviews will also be considered, mainly those that may provide commentaries that lead to open perspectives of new methodologies and applications. **Keywords**

- process monitoring/prognosis
- anomaly/defect detection
- uncertainty quantification
- system/process optimization
- reliability analysis
- statistics
- machine learning/deep learning
- data fusion
- measurements
- quality evaluation

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### Guest Editors

Dr. Qing Li

Dr. Bing Si

Dr. Renjie Hu

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### Deadline for manuscript submissions

closed (30 April 2025)



## Mathematics

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Impact Factor 2.2  
CiteScore 4.6



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*Mathematics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)

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## 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.

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### Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,  
The Gateway, Leicester LE1 9BH, UK

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### 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).