

# Special Issue

## Data-Driven Methods and Artificial Intelligence in Reliability and Maintenance, 2nd Edition

### Message from the Guest Editors

This Special Issue is a continuation of the previous successful Special Issue “Data-Driven Methods and Artificial Intelligence in Reliability and Maintenance” in the MDPI journal *Mathematics*. You are kindly invited to contribute to this Special Issue on “Artificial Intelligence in Reliability and Maintenance” with an original research article or comprehensive review. The focus is mainly on theoretical results and applications of artificial intelligence in the field of reliability and maintenance. Artificial intelligence is ubiquitous in computer science today, and many applications of this technology are being developed in a broad range of areas. Here, we are seeking research based on artificial intelligence, with a view to applications related to the analysis and modelling of reliability and maintenance. Keywords

- Artificial intelligence
- Reliability
- Maintenance

### Guest Editors

Dr. Rui Peng

Prof. Dr. Kaiye Gao

Prof. Dr. Wen Zhang

### Deadline for manuscript submissions

closed (25 July 2025)



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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

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indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

#### Journal Rank:

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#### 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).