

Special Issue

Mathematical Modeling and Intelligent Optimization in Green Manufacturing & Logistics

Message from the Guest Editor

Due to the increasingly prominent environmental pollution and energy shortage, many countries devote themselves to green manufacturing and logistics, in which some optimization problems are challenging, e.g., production planning and scheduling, supply chain management, location and allocation problems, vehicle routing problems, resource optimization, and pricing strategies. The Special Issue focus on mathematical modeling and intelligent optimization research in green manufacturing and logistics of all aspects. Topics include but are not limited to:

- Operations research in green manufacturing and logistics
- Game theory in green manufacturing and logistics
- (Meta)heuristics in green manufacturing and logistics
- Machine learning in green manufacturing and logistics
- Knowledge-driven methods in green manufacturing and logistics
- Digital twin in green manufacturing and logistics
- Data-driven optimization in green manufacturing and logistics
- Mechanism design in sustainable operations
- Exacted algorithm for large-scale programming in complex logistics systems
- Service design and disruptive innovation in green manufacturing and logistics

Guest Editor

Dr. Yaping Ren

School of Intelligent Systems Science and Engineering, Institute of Physical Internet, Jinan University (Zhuhai Campus), Zhuhai 519000, China

Deadline for manuscript submissions

closed (24 December 2022)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.6



mdpi.com/si/119152

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 2.3
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 18.3 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2024).