

Special Issue

Fuzzy Applications in Industrial Engineering

Message from the Guest Editors

Industrial engineering (IE) is concerned with the design, improvement, and installation of integrated systems of people, material, equipment, and energy. Industrial engineers are concerned with reducing production costs, increasing efficiency, and improving the quality of products and services. Fuzzy set approaches are usually most appropriate when human evaluations and the modeling of human knowledge are needed. IE uses a significant number of applications of fuzzy set theory. The purpose of this Special Issue is to gather a collection of articles reflecting the latest developments in different fields of industrial engineering by applying fuzzy theory for control and reliability, manufacturing systems and technology management, optimization techniques, quality management, process capability analysis, statistical decision-making, and others.

Keywords

- Fuzzy Applications
- Fuzzy Control and Reliability
- Fuzzy Manufacturing Systems
- Fuzzy Optimization Techniques
- Fuzzy Service Performance Evaluation
- Fuzzy Process Capability Analysis
- Fuzzy Statistical Decision-making

Guest Editors

Prof. Dr. Kuen-Suan Chen

Dr. Chun-Min Yu

Prof. Dr. Tsang-Chuan Chang

Deadline for manuscript submissions

closed (31 December 2021)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/49159

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).