



## Modeling, Optimization and Control of Industrial Processes

Guest Editor:

**Dr. Marjan Golob**

Faculty of Electrical Engineering  
and Computer Science,  
University of Maribor, Koroška  
cesta 46, 2000 Maribor, Slovenia

Deadline for manuscript  
submissions:

**31 January 2025**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue will focus on the latest research papers on how to develop and implement new modeling, optimization, and control methods in the process industry to take advantage of the new technologies mentioned above.

Topics include, but are not limited to, the following: building mathematical models of complex dynamic systems and related simulation methods; developing theory with the formulation of new control systems; developing theory and control systems with artificial intelligence using neural networks, fuzzy systems, and machine learning; simulating control systems for dynamic objects on computers and in real time on test beds; and developing digital twins. Contributions of both theoretical and practical research are welcome.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Francisco Chiclana**  
School of Computer Science and  
Informatics, De Montfort  
University, The Gateway,  
Leicester LE1 9BH, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

**Journal Rank:** JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

## Contact Us

---

*Mathematics* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/mathematics](http://mdpi.com/journal/mathematics)  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)  
[X@MathematicsMDPI](https://x.com/MathematicsMDPI)