

# Special Issue

## Boolean Networks Models in Science and Engineering

### Message from the Guest Editors

As a generalization of other notions like cellular automata or Kauffman networks appeared in the last quarter of the twentieth century, the notion of Boolean networks has undergone a special development in the last decades. This is mainly due to its applications in Science and Engineering. In this sense, several research groups of mathematicians are working and obtaining relevant results in this area that can be applied in other fields. We invite them to submit their latest research to our Special Issue, “Boolean Networks Models in Science and Engineering”, in the reputed journal *Mathematics*. We hope to collect novel and interesting papers, both theoretical and practical, in this field. Submissions are welcome presenting new theoretical results, new algorithmic as well as new models or applications in Science and Engineering. Potential topics include, but are not limited to:

- Dynamics of Boolean network models
- Algorithms, methods, and software for the study of Boolean network models
- Boolean network models applied in science and engineering

---

### Guest Editors

Prof. Dr. Jose C. Valverde

Prof. Dr. Juan A. Aledo

Prof. Dr. Silvia Martínez

---

### Deadline for manuscript submissions

closed (16 April 2021)



## Mathematics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.3  
CiteScore 4.0



[mdpi.com/si/50800](https://mdpi.com/si/50800)

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

[mdpi.com/journal/  
mathematics](https://mdpi.com/journal/mathematics)





# Mathematics

---

an Open Access Journal  
by MDPI

---

**Impact Factor 2.3**  
**CiteScore 4.0**



[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 17.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).