

# Special Issue

## Game Theory and Social Networks in Mathematics and Economics

### Message from the Guest Editors

Social networks are at the core of many socio-economic processes, and nowadays, they are analyzed in many fields, such as political science, medicine, applied physics and computer science. However, due to the technical difficulties of combining graph theory and game theory, it is only recently that they have been studied systematically and theoretically and there is still no agreement on how to establish the nature of networks, how they form, how to detect communities or assess the propagation of information, news, habits and opinions across networks. The focus of this Special Issue is to bring together contributions from researchers from different areas, from mathematics to economics, which will be of great interest for the interdisciplinary community of scholars who study social networks. Papers that study theoretical principles as well as experimental results are expected, with topics ranging from game theoretical models to randomized experiments. Studies that focus on networks, how they form and how they affect the socio-economic environment are also welcome.

---

### Guest Editors

Prof. Dr. Paolo Pin

Department of Economics and Statistics, Università di Siena, 53100  
Siena, Italy

Dr. Alessio Muscillo

Department of Economics and Statistics, Università di Siena, 53100  
Siena, Italy

---

### Deadline for manuscript submissions

closed (15 September 2024)



## Mathematics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.6



[mdpi.com/si/163023](https://mdpi.com/si/163023)

*Mathematics*  
Editorial Office  
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 2.2**  
**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).