

# Special Issue

## Game Theory: Mathematical Approaches and Applications

### Message from the Guest Editor

The main goal of Game Theory is the study of mathematical models of strategic interaction between rational decision makers. It has applications in all fields of social sciences, as well as in logic, systems science and computer science. Game Theory today applies to a myriad of behavioral relationships, and is now a comprehensive term for the science of logical decision-making in humans, animals and computers. Thus, it is also called “science of strategy”. Whether in the definition of concepts and development of theory, or in the construction of conceptual models for applications in practical life, Game Theory has led to the use and construction of very interesting mathematical models. We would like to invite you to submit your work for the Special Edition “Game Theory: Mathematical Approaches and Applications”. This special issue seeks high quality contributions in the mathematical formulation of Game Theory concepts and tools, and also in its application to the modeling and study of practical situations.

### Guest Editor

Prof. Dr. Manuel Alberto Martins Ferreira

Departamento de Matemática, Escola de Tecnologias e Arquitetura,  
Iscte-Instituto Universitário de Lisboa, Av. das Forças Armadas, 1649-  
026 Lisboa, Portugal

### Deadline for manuscript submissions

closed (31 January 2023)



## Mathematics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.6



[mdpi.com/si/83145](https://mdpi.com/si/83145)

*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 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).