

# Special Issue

## Special Functions with Applications to Mathematical Physics

### Message from the Guest Editor

This Special Issue includes theories and applications of high transcendental functions mainly included in the list of keywords:

- Mittag-Leffler and related functions, and their applications in mathematical physics;
- Wright and related functions and their applications in mathematical physics;
- Exponential Integrals and their extensions with applications in mathematical physics;
- Generalized hypergeometric functions and their extensions with applications.

However, this Special Issue is not limited to the above list, when the content of a paper is clearly related to some high transcendental functions and their applications. Special attention is reserved for the special functions exhibiting some relevance in the framework of the theories and applications of the fractional calculus and in their visualization through illuminating plots. Both research and survey pages are well accepted.

---

### Guest Editor

Prof. Dr. Francesco Mainardi

Department of Physics and Astronomy, University of Bologna, Via Irnerio, 46, I-40126 Bologna, Italy

---

### 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/35043](https://mdpi.com/si/35043)

*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).