



## Theory and Applications of Fractional Equations and Calculus

Guest Editors:

**Prof. Dr. Bingzhao Li**

**Prof. Dr. Tian-Zhou Xu**

**Dr. Yanshan Zhang**

**Dr. Chun Wang**

Deadline for manuscript  
submissions:  
**closed (31 January 2024)**

### Message from the Guest Editors

Dear Colleagues,

With the developments in mathematics and information processing technologies, fractional methods—which include fractional calculus, fractional Fourier analysis, and fractional equations—are becoming increasingly important in the field of mathematics and applied mathematics. They stimulate new ideas and methods in addition to enabling the extension of numerous applications in an increasing number of fields, including applied mathematics, information, and engineering.

Although these new kinds of fractional methods have brought many advantages as compared with the classical methods, there are still a series of key problems to be solved. Therefore, the purpose of this Special Issue is to focus on the recent achievements and future challenges regarding the theory and applications of fractional equations and fractional calculus.





## 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://twitter.com/MathematicsMDPI)