



Applications of Partial Differential Equations

Guest Editor:

Dr. Patricia J. Y. Wong

School of Electrical and
Electronic Engineering, Nanyang
Technological University,
Singapore 639798, Singapore

Deadline for manuscript
submissions:

closed (23 August 2023)

Message from the Guest Editor

Partial differential equations are indispensable in modeling various phenomena and processes in many fields, such as physics, biology, finance, and engineering. The study on the solutions of partial differential equations, be it on the qualitative theory or quantitative methods, as well as the applications of such investigations to real-world problems, have drawn a large amount of interest from researchers.

This Special Issue aims to collect original and significant contributions on:

- The applications of partial differential equations in modeling real-world phenomena;
- Qualitative theory on the solutions of partial differential equations;
- Analytical or numerical methods for solving partial differential equations.

Equally welcome are investigations in the above topics on partial differential equations involving fractional derivatives with respect to at least one of the independent variables.





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

mdpi.com/journal/mathematics
mathematics@mdpi.com
[X@MathematicsMDPI](https://twitter.com/MathematicsMDPI)