



The Theory of Differential Equations and Their Applications

Guest Editors:

Prof. Xiping Liu

Department of Mathematics,
College of Science, University of
Shanghai for Science and
Technology, Shanghai 200093,
China

Prof. Dr. Liu Yang

Department of Mathematics and
Statistics, Hefei Normal
University, Hefei 230001, China

Dr. Ruiyang Cai

Department of Mathematics,
College of Science, University of
Shanghai for Science and
Technology, Shanghai 200093,
China

Message from the Guest Editors

Differential equations are one of the core areas of analytical mathematics, playing a fundamental role in modern science and practical engineering. With the promotion of science and technology, in recent years, the theory of differential equations and its applications have rapidly developed, and new waves have been successively set off in these research fields.

The aim of this Special Issue is to attract original frontier contributions on the theory of fractional differential equations and functional differential equations, including but not limited to initial value problems, boundary value problems, qualitative theory, stability analysis, control theory and numerical solutions. Moreover, we encourage submissions of their applications in bioscience, economy, information engineering, and so on.

Deadline for manuscript
submissions:

closed (29 February 2024)





an Open Access Journal by MDPI

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