



Modern Analysis and Partial Differential Equations, 2nd Edition

Guest Editors:

Dr. Peng Cao

School of Mathematics and
Statistics, Beijing Institute of
Technology, Beijing Key Lab
MCAACI, Beijing 100081, China

Dr. Luc Nguyen

Mathematical Institute, University
of Oxford, Oxford OX2 6GG, UK

Dr. Bo Wang

School of Mathematics and
Statistics, Beijing Institute of
Technology, Beijing 100081,
China

Deadline for manuscript
submissions:

closed (29 February 2024)

Message from the Guest Editors

Modern analysis, including, but not limited to, harmonic analysis, functional analysis, microlocal analysis, and geometric analysis, is a central topic within mathematical analysis. Growing out of modern analysis, it has developed significantly into many areas, including dynamic systems and differential equations, both pure and applied.

This Special Issue, titled “Modern Analysis and Partial Differential Equations II,” is designed to promote the modern analysis method in general, but with a preference for application-oriented papers or survey papers describing concrete aspects of modern analysis and their applications to partial differential equations.

Topics to be covered include (though this is not an exhaustive list): Operator theory and operator algebra, Harmonic analysis, Nonlinear partial differential equations; Geometric analysis, Dynamic systems, etc.

Each manuscript should clearly indicate its motivation and highlight.





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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/mathematics
mathematics@mdpi.com
X@MathematicsMDPI