

Special Issue

Variational Inequality Problem: Theory, Analysis and Applications

Message from the Guest Editor

Variational inequalities introduced in the early sixties have witnessed explosive growth in theoretical advances, algorithmic development and applications across all disciplines of pure and applied sciences. They combine novel theoretical and algorithmic advances with new application domains. Analysis of these problems requires a blend of techniques from convex analysis, functional analysis and numerical analysis. As a result of the interactions between different branches of mathematics, statistics and engineering sciences, a variety of techniques are suggested for the analysis of various algorithms for solving variational inequalities and related optimization problems. These include minimax problems, which may be extended to the study of artificial intelligence with machine learnings. We invite researchers original research and comprehensive review articles that will stimulate the continuing efforts to numerical analysis for variational inequality problems and fixed-point problems with applications.

Guest Editor

Prof. Dr. Zhenyu Huang
School of Mathematics, Nanjing University, Nanjing 210093, China

Deadline for manuscript submissions

31 January 2027



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/243480

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).