

Special Issue

Variational Inequality, 2nd Edition

Message from the Guest Editor

It is well known that variational inequality was introduced by Hartman and Stampacchia in 1966 and later expanded on by Stampacchia. Since then, variational inequality and its various generalizations have become very effective and quite powerful tools in the study of the numerous problems arising from differential equations, mechanics, contact problems, optimization and control problems, management science, operations research, general equilibrium problems in economics and transportation, unilateral obstacles, movement, and so on. The aim is for this Special Issue to collate and report on recent developments in variational inequality in both theory and applications; in particular, any work including new ideas, novel techniques, and/or results on variational inequalities and relevant problems are welcome. We will accept high-quality research or review papers. The purpose of this Special Issue is to provide an overview of the efforts of scientists in various fields (particularly mathematicians and engineers) for whom variational inequality problems are important.

Guest Editor

Prof. Dr. Jen-Chih Yao

1. Research Center for Interneural Computing, China Medical University Hospital, Taichung City 404332, Taiwan
2. Department of Applied Mathematics, National Sun Yat-sen University, Kaohsiung 80424, Taiwan

Deadline for manuscript submissions

closed (31 July 2025)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/223168

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).