

Special Issue

Ordered Topological Vector Spaces, Operators Acting on Them and Related Applications

Message from the Guest Editor

All spaces involved in applications have natural structures of ordered topological vector spaces. Extension theorem for linear operators and polynomial approximation on special closed unbounded subsets leads to characterizing the existence and uniqueness of the solutions of some Markov moment problems in terms of quadratic forms. Finding new results on this subject is the first aim. The second purpose is to give applications related to the characterization of isotonicity of a continuous convex operator on a convex cone in terms of its subdifferentials. I cordially invite you to publish your results on related subjects in this Special Issue.

Guest Editor

Prof. Dr. Octav Olteanu

Department of Mathematics-Informatics, University Politehnica of Bucharest, 060042 Bucharest, Romania

Deadline for manuscript submissions

closed (31 March 2024)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/85000

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 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).