Special Issue

Quantum Algebras and Operator Theory

Message from the Guest Editor

One of the main purposes of research in functional analysis is the theory of inequalities and its integration in contemporary trends in mathematics. The specific objectives are the study of matrix and operator interpretations of real inequalities in various settings, including operator inequalities, norm inequalities, eigenvalue and singular value inequalities, the corresponding refinements and reverses, as well as applications in functional analysis. The notion of convexity is widely spread in almost all branches of mathematics, even in some models in economics, finance, mechanics, and engineering. One of the main goals of the research is the systematic development of the existing theory of convex functions, related generalizations, and applications to operator inequalities. Particular emphasis in the research is placed on the various types of convexities.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2021)

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Mathematics

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.6

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mathematics

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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.

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