

# Special Issue

## Infinite Matrices and Their Applications

### Message from the Guest Editors

Infinite matrices play important roles in mathematics and other sciences. In this Special Issue, we are mainly concerned with the theory of finite and infinite matrices/tensors over the real numbers, complex numbers, and over generalized quaternions. This Special Issue will include, but is not limited to:

- The fast computing algorithms for eigenvalues of matrices/tensors.
- Various decompositions of matrices/tensors.
- Solving matrix/tensor equations
- Computing generalized inverses.

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### Guest Editors

Prof. Dr. Pappur Nagappa Shivakumar

Dr. Zhuo-Heng He

Prof. Dr. Yang Zhang

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### Deadline for manuscript submissions

closed (24 November 2024)



## Mathematics

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## 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.

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### Editor-in-Chief

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### 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).