



## Theory and Applications of Random Matrix

Guest Editor:

**Prof. Dr. Debashis Paul**

Department of Statistics,  
University of California, Davis, CA  
95616, USA

Deadline for manuscript  
submissions:

**30 November 2024**

### Message from the Guest Editor

Dear Colleagues,

I would like you to consider submitting a paper for publication in a Special Issue of *Mathematics* (published by MDPI) on the topic of Theory and Applications of Random Matrix. The purpose of this Special Issue is to publish high-quality papers within this broad theme within a fairly short period of time to ensure timeliness, a higher impact and a wider reach, beyond the traditional mathematics and statistics communities.

The submitted paper can fit into one of the following subtopics, although it need not be limited to these.

1. Application of random matrix theory in high-dimensional statistical inference.
2. Random matrix models for dependent observations.
3. High-dimensional principal components and canonical correlation analysis.
4. Universality phenomena in random matrix theory.
5. Application of free probability to the analysis of spectral behavior of large random matrices.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Francisco Chiclana**  
School of Computer Science and  
Informatics, De Montfort  
University, The Gateway,  
Leicester LE1 9BH, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

**Journal Rank:** JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

## Contact Us

---

*Mathematics* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/mathematics](http://mdpi.com/journal/mathematics)  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)  
[X@MathematicsMDPI](https://twitter.com/MathematicsMDPI)