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## Research on Structured Matrices and Applications

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submissions:

**closed (31 August 2024)**

### Message from the Guest Editors

Dear Colleagues,

A number of matrices with some structural symmetry (e.g., Hankel matrices, Toeplitz matrices, Vandermonde matrices, Bezout matrices) have been widely studied in the development of matrix theory. The research on these structured matrices includes matrix equations, matrix inequalities, matrix decompositions, matrix eigenvalue problems, fast matrix algorithms, linear systems of equations, tensor algebra, and spectral analysis, as well as their applications in enormous fields. This Special Issue will gather high-quality and original papers to present cutting-edge research regarding structured matrices, along with their applications in any area.



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# Special Issue



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## Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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