

Special Issue

Mathematical Methods and Applications in Signal Analysis, Machine Learning, and Artificial Intelligence

Message from the Guest Editor

The intersection of mathematical methods with signal analysis, machine learning (ML), and artificial intelligence (AI) represents a rapidly evolving and vital research area in contemporary science and technology. The rigorous application of mathematics not only forms the foundation of advancements in these fields but also plays a crucial role in enabling the development of robust algorithms and innovative solutions to complex problems. We invite you to the Special Issue of Mathematical Methods in Signal Analysis, Machine Learning, and Artificial Intelligence. Your recent advancements and applications in mathematical methods used in signal analysis, machine learning (ML), and artificial intelligence (AI) are crucial to the progress of these fields. This Special Issue aims to provide a platform for you and other researchers and practitioners to present your work, showcasing the integration of mathematical techniques to address complex problems and enhance algorithm performance and accuracy.

Guest Editor

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).