

# Special Issue

## Learning Algorithms and Neural Networks

### Message from the Guest Editor

With the rapid development of artificial intelligence (AI) systems and machine learning in recent years, learning algorithms and neural networks have gained significant attention due to their robust mathematical foundations and computational capabilities. Learning algorithms and neural networks have emerged as pivotal technologies, enabling a wide range of applications across fields such as industry, agriculture, healthcare, finance, robotics, networks, and autonomous systems. Their ability to model complex, high-dimensional data and improve decision-making has made them indispensable in solving both theoretical and practical challenges in AI. This Special Issue aims to bring together cutting-edge research that explores the development, application, and optimization of learning algorithms as well as neural networks. We invite submissions that focus on innovative approaches, methodologies, and applications, and contribute to a deeper understanding of how these technologies can be further advanced to address critical issues in AI-driven systems.

### Guest Editor

Dr. Chungling Tu

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### Deadline for manuscript submissions

closed (20 July 2025)



## 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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