

Special Issue

Advances in Algorithm Design and Machine Learning

Message from the Guest Editors

We are pleased to announce a call for papers for the upcoming Special Issue, entitled “Advances in Algorithm Design and Machine Learning”. This Special Issue seeks to publish rigorous research articles that contribute to the advancement of algorithmic frameworks and machine learning methodologies. It will serve as a platform for disseminating research that demonstrates significant theoretical developments or practical applications. We welcome submissions that cover a range of topics, including, but not limited to, the following:

- Advanced optimization techniques for machine learning models;
- Innovative deep learning methodologies;
- Probabilistic and statistical models for machine intelligence;
- Algorithms for large-scale data processing and analysis;
- Reinforcement learning strategies for complex systems;
- Approaches to transfer learning and domain adaptations;
- Algorithm analysis for deep neural networks;
- Algorithm design for natural language processing;
- Algorithm design for computer vision;
- Algorithm design for large-scale data annotations

Guest Editors

Dr. Zhen Liu
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Dr. Wenbo Xie

Deadline for manuscript submissions

closed (31 October 2025)



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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.

Editor-in-Chief

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Author Benefits

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Rapid Publication:

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).