

# Special Issue

## New Insights in Machine Learning (ML) and Deep Neural Networks

### Message from the Guest Editors

We are proud to announce a Special Issue themed "New Insights in Machine Learning (ML) and Deep Neural Networks", aimed at capturing the essence of current and emerging trends in the field. This Special Issue is a dedicated forum for scholars and professionals to share their latest findings, innovative methodologies, and transformative applications of ML and DNNs. We are particularly interested in works that address, but are not limited to, the following areas of exploration:

- Parameter Efficient Fine-Tuning Methods of Large Language Models (LLMs);
- Trustworthy Machine Learning;
- Adversarial Attacks and Defenses;
- Generative Multi-Modal Models;
- Continual Learning;
- Embodied Intelligence;
- AI for Science;
- Multimodal Understanding and Generation.

We also welcome review articles that synthesize the current state of the art, providing comprehensive overviews and identifying future research directions in the areas pertinent to this Special Issue.

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### Guest Editors

Dr. Yanming Guo

Dr. Yu Liu

Dr. Tianyuan Yu

Dr. Mingrui Lao

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### Deadline for manuscript submissions

30 April 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

Prof. Dr. Francisco Chiclana

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

#### Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.3 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2024).