

Special Issue

Machine Learning Applications in Control, Mechatronics, Image Processing and Pattern Recognition

Message from the Guest Editor

Machine Learning (ML) algorithms are a very popular tool, employed not only by software application developers, data analysis experts, and the scientific community but also engineers due to their many easy-to-use software tools. This special issue of the *Mathematics* journal invites papers on ML application topics such as the practical application features of ML algorithms in the control of dynamic systems, mechatronic system development, image analysis, and pattern recognition. The key topics of this Special Issue include but are not limited to:

- Applications of ML algorithms in dynamic system control;
- Applications of ML algorithms in optimization and optimal control;
- Applications of ML algorithms in big data processing;
- Applications of ML algorithms in pattern recognition;
- Applications of ML algorithms in predictive and estimation model development;
- Applications of ML algorithms in numerical and textual data analysis.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)



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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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Prof. Dr. Francisco Chiclana

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).