



an Open Access Journal by MDPI

Advances in Machine Learning and Artificial Intelligence: Theory and Applications

Guest Editors:

Prof. Dr. María del Carmen Pegalajar Jiménez

Department of Computer Science and Artificial Intelligence, ETS de Ingenierías Informática y de Telecomunicación (ETSIT), Universidad de Granada, 18010 Granada, Andalusia, Spain

Dr. Luis G. Baca Ruiz

Department of Software Engineering, Research Centre for Information and Communication Technologies (CITIC-UGR), University of Granada, Granada, Spain

Deadline for manuscript submissions:

closed (30 September 2024)

Message from the Guest Editors

Dear Colleagues,

This Special Issue delves into the dynamic world of machine learning (ML) and artificial intelligence (AI), offering a comprehensive exploration of their foundational principles, cutting-edge theories, and transformative real-world applications. ML, a critical subset of AI, is revealed here as a fascinating intersection of mathematical concepts and data-driven learning, showcasing the profound mathematical underpinnings that drive intelligent systems.

In essence, this Special Issue serves as a guiding light for mathematicians, researchers, practitioners, and enthusiasts alike, shedding mathematical insight on the theory and practice of ML and AI, and inspiring fresh mathematical perspectives on harnessing their potential to shape our increasingly mathematical, intelligent, and automated world.

Prof. Dr. María del Carmen Pegalajar Jiménez

Dr. Luis G. Baca Ruiz

Guest Editors



mdpi.com/si/185951

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us

Mathematics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/mathematics
mathematics@mdpi.com
[X@MathematicsMDPI](https://x.com/MathematicsMDPI)