Special Issue

Advances in Machine Learning and Artificial Intelligence: Theory and Applications

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2024)

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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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