Special Issue

Mathematical and Computing Sciences for Artificial Intelligence

Message from the Guest Editor

⬚The field of artificial intelligence relies on a deep understanding of mathematics, statistics and computer science to create algorithms that can learn from data and make intelligent decisions. However, due to the lack of data and bias in data, as well as the complexity of real-world systems, there are still many challenges in this field, including mathematical foundations and modelling in artificial intelligence, better optimization algorithms, interpretability of artificial intelligence, and building AI algorithms to solve specific application problems. Since mathematics is the foundation of artificial intelligence, and the integration of mathematical and computing sciences plays a crucial role in advancing AI research, this Special Issue aims to explore the latest developments, methodologies, and applications that highlight the synergy between mathematics, computing, and AI. We welcome original research papers addressing various aspects of mathematical and computing sciences for artificial intelligence.

Guest Editor

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Deadline for manuscript submissions

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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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