

Special Issue

AI-Driven Innovations in Healthcare: Advances in Machine Learning and Computer Vision

Message from the Guest Editors

This Special Issue will focus on recent AI applications in healthcare, especially in terms of theory, and the mathematical aspects of advanced machine learning and computer vision methods for solving practical healthcare problems. Relevant topics include, but are not limited to, the following:

- The theory and mathematical aspects of AI in screening and diagnosis;
- The theory and mathematical aspects of AI in drug R&D;
- The theory and mathematical aspects of AI in infectious disease prevention and control;
- The theory and mathematical aspects of AI in personalized medicine;
- The theory and mathematical aspects of AI in telemedicine;
- The theory and mathematical aspects of medical data privacy and security;
- The theory and mathematical aspects of AI system bias in healthcare;
- The interpretability of AI in healthcare;

We also welcome review papers emphasizing recent scientific advancements in the use of AI in healthcare.

Guest Editors

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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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