

Special Issue

The Applications of Mathematical Analysis and Machine Learning in Healthcare

Message from the Guest Editors

We are pleased to invite you to contribute to a Special Issue titled "The Applications of Mathematical Analysis and Machine Learning in Healthcare". This collection aims to explore the innovative integration of mathematical analysis and machine learning techniques to address critical challenges in healthcare.

Advancements in these areas are transforming healthcare by improving diagnostics, treatment planning, healthcare operations, and patient outcomes. We are seeking original research articles, reviews, and case studies for this Special Issue that demonstrate the application of these techniques in various healthcare domains, including, but not limited to, disease prediction, medical imaging, personalized medicine, healthcare management, and operational efficiency. We encourage submissions that highlight novel algorithms, theoretical insights, and practical implementations that enhance the accuracy, efficiency, and interpretability of healthcare solutions. Interdisciplinary studies that bridge the gap between theoretical developments and clinical applications are particularly welcome.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2025)



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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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