Special Issue

Artificial Intelligence for Biomedical Image Processing and Data Analysis

Message from the Guest Editor

We are pleased to announce this Special Issue of the journal *Mathematics*, entitled "Artificial Intelligence for Biomedical Image Processing and Data Analysis". This Special Issue focuses on the application of mathematical principles and techniques in the intersection of artificial intelligence (AI), medical imaging, and data analysis. Artificial intelligence has revolutionized the field of biomedical image analysis by enabling automated and accurate interpretation of medical images. Moreover, data analysis plays a crucial role in the medical domain as it involves processing and interpreting large volumes of biomedical data to discover patterns, identify trends, and make informed decisions. We welcome contributions from researchers and practitioners in the field. The submission of papers addressing various aspects of AI for biomedical image processing and data analysis is encouraged.

- artificial intelligence
- machine learning
- data science
- image processing
- image segmentation
- medical imaging
- computer vision
- biomedical engineering
- healthcare technologies

Guest Editor

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Deadline for manuscript submissions

closed (10 July 2025)

Mathematics

MDPI

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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