Special Issue

Medical Imaging Analysis with Artificial Intelligence

Message from the Guest Editors

Medical imaging analysis is a vital part of modern healthcare, helping clinicians to diagnose and monitor a wide range of diseases and conditions. Recent advances in artificial intelligence (AI) and machine learning (ML) have enabled the development of powerful tools and techniques for analyzing medical images, with the potential to improve diagnostic accuracy and patient outcomes. This Special Issue aims to showcase the latest research and developments in medical imaging analysis with AI, and to explore the challenges and opportunities in this exciting field. Topics: We invite submissions on all aspects of medical imaging analysis with AI, including but not limited to:

- Radiomics and image-based biomarkers
- Deep learning for medical image analysis
- Computer-aided diagnosis (CAD) systems
- Image segmentation and registration
- Convolutional neural networks (CNN) for medical image classification and segmentation
- Multi-modal medical image analysis
- Medical data mining and analysis
- Real-time medical imaging analysis
- Clinical applications of medical imaging analysis with AI

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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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