

Special Issue

AI-Based Medical Image Analysis: State-of-the-Art Techniques and Emerging Applications

Message from the Guest Editors

This Special Issue will provide an in-depth overview of the latest advancements, challenges, and future prospects in the fields of medical imaging and artificial intelligence (AI). Due to the rapid progression of AI technologies, there has been a significant impact on medical imaging, revolutionizing the way healthcare professionals diagnose and treat various conditions.

The collection of articles within this Special Issue will present cutting-edge research and innovative applications of AI in medical imaging. It will cover a wide range of topics, including image analysis, computer-aided diagnosis and prognosis, image segmentation, synthetic image generation, deep learning algorithms, and image reconstruction techniques, highlighting the potential of AI to enhance the accuracy, efficiency, and interpretation of medical images, leading to improved patient care and outcomes.

We will welcome contributions from leading researchers and practitioners that will shed light on the recent developments and highlight key challenges, such as data quality and interpretability in AI-driven medical imaging.

Guest Editors

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

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