Applications of Artificial Intelligence in Biomedical Image Processing

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Deadline for manuscript submissions:
31 July 2026

Message from the Guest Editors

Dear Colleagues,

Biomedical image processing is an interdisciplinary area that is important for the screening, assessment, diagnosis, and tracking of disease progression, and for evaluating the effectiveness of interventions. The significance of biomedical image processing lies in its role in facilitating clinical decisions, and therefore saving lives and reducing suffering. The development of computer-aided diagnosis substantiated by different artificial intelligence approaches further supports clinicians in the automatic detection or segmentation of lesions, computerized extraction of quantitative measurements, interpretation of medical images, and predictions. With the big data of multimodal imaging modalities, the applications of artificial intelligence (machine learning, deep learning, neural networks, image fusion, etc.) are becoming increasingly important and popular.

This Special Issue invites original research and review articles on the development and advancement of artificial intelligence approaches, techniques, and models applied in the field of biomedical image processing.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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