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Biomedical Imaging: Present and Future Challenges, from Image Processing Sensors through Artificial Intelligence

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Deadline for manuscript submissions:

20 February 2025

Message from the Guest Editors

Recently, we have seen a growing interest in biomedical imaging, which enables the visualization of the structure and functions of biological objects. Biomedical imaging integrates physics, engineering, fundamental biology, and clinical medicine. Recent advances in modern sensors for the analysis of biomedical signals and images have enhanced healthcare efficacy, including in the screening and diagnosis of many diseases, novel treatment methods, self-monitoring, and disease detection. With the development and progress of biomedical imaging technology, biomedical imaging has become an essential tool in daily medical diagnostics. Therefore, biomedical image processing has become more and more important in biomedical research and clinical medicine.

This Topical Collection aims to put together original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of (bio)medical imaging.



mdpi.com/si/160224

Special Issue



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Message from the Editor-in-Chief

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