

Special Issue

Advanced Physical Techniques in Tissue Engineering and Regenerative Medicine

Message from the Guest Editors

A central focus of this Special Issue is the integration of advanced imaging modalities, which are essential for visualizing and understanding tissue architecture, cellular behaviors, and the dynamic processes involved in regeneration. Techniques such as high-resolution microscopy, magnetic resonance imaging (MRI), and computed tomography (CT) provide detailed insights that drive innovation. This Special Issue also explores innovative applications of artificial intelligence (AI) and data analysis methods. Through this comprehensive exploration, this Special Issue demonstrates how the synergy of physical techniques, advanced imaging, and AI-based data analysis is propelling tissue engineering and regenerative medicine into a new era of scientific discovery and clinical application. We look forward to sharing groundbreaking research, insightful reviews, and inspiring case studies that showcase the transformative potential of these technologies.

Assistants

Guest Editors

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Editor-in-Chief

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