

Special Issue

Novel Approaches for Tissue Repair and Tissue Regeneration

Message from the Guest Editor

Tissue repair and regeneration represent both critical and complex challenges in modern medicine. As the field continues to advance, there is a growing body of evidence supporting the potential of biomaterials and stem cells in facilitating tissue reconstruction and promoting regenerative processes. However, despite these promising developments, existing therapeutic strategies remain suboptimal, often falling short in fully addressing the intricate needs of tissue repair. To overcome these limitations, there is an urgent need for novel and innovative approaches that focus on enhancing the structural, biochemical, and mechanical properties of biomaterial scaffolds. These improvements are essential to better support the complex requirements of tissue growth, functional restoration, and integration within the body. Given these considerations, the current Special Issue seeks to invite research articles that explore emerging trends, cutting-edge methodologies, and new insights in the field of tissue engineering and regenerative medicine.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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