



Biomaterials for Wound Healing and Tissue Regeneration

Guest Editor:

Prof. Dr. Chan Yeong Heo

1. Department of Plastic and
Reconstructive Surgery, College
of Medicine, Seoul National
University, Seoul 03080, Republic
of Korea

2. Department of Plastic &
Reconstructive Surgery, Seoul
National University Bundang
Hospital, Seongnam 13620,
Republic of Korea

Deadline for manuscript
submissions:

closed (20 February 2025)

Message from the Guest Editor

Dear Colleagues,

The dynamic field of biomaterials stands at the confluence of cutting-edge molecular science and transformative medical therapies, particularly in the realms of wound healing and tissue regeneration. This Special Issue, titled "Biomaterials for Wound Healing and Tissue Regeneration", aims to encapsulate the breadth and depth of contemporary research and innovation within this vital area. We invite contributions that delve into the molecular intricacies of biomaterials design, synthesis, and application, with a keen focus on their interaction with biological systems at the cellular and molecular levels. Emphasis will be placed on novel biomaterials that show promise in enhancing tissue repair and regeneration, their mechanisms of action, bio-integration, and the modulation of cellular responses crucial for effective healing processes. This Special Issue seeks to highlight both fundamental and applied research, charting the future direction of this pivotal field.

This Special Issue is supervised by Prof. Dr. Chan Yeong Heo and assisted by Dr. Joseph Kyu-hyung Park (Seoul National University Bundang Hospital).





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI