



## Nanomaterials for Tissue Engineering Applications 3.0

Guest Editor:

**Prof. Dr. Jyh-Ping Chen**

Department of Chemical and  
Materials Engineering, Chang  
Gung University, Taoyuan 33302,  
Taiwan

Deadline for manuscript  
submissions:

**closed (30 November 2022)**

### Message from the Guest Editor

As nanotechnology applications in medicine have attracted worldwide interest, nanotechnological approaches to tissue engineering could also lead to many innovative solutions for repairing tissue damage. Employing three-dimensional scaffolds in tissue engineering is a key element among recent advancements in tissue engineering and biomaterial research. As scaffold materials, nanomaterials have gained popularity due to their many advantages over conventional techniques for tissue repair. Nanomaterials have shown superior performance over conventional materials for tissue engineering applications. The ability of nanomaterials to mimic the native extracellular matrix and their ability to aid in cellular activity make these materials suitable candidates for scaffold fabrication.

This Special Issue will therefore focus on various tissue engineering approaches for the regeneration of different tissues/organs, with an emphasis on nanomaterials used in different aspects of tissue engineering and their role in tissue regeneration.





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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI