

Special Issue

Molecular Research on Biomaterials for Bone Tissue Engineering and Periodontal Disease

Message from the Guest Editor

In the last few decades, dental tissue engineering has become one of the most studied fields in dentistry, showing promising results for bone tissue regeneration in experimental and clinical models. Even if a bone demonstrates self-remodeling properties, in some cases, due to anomalies, injuries or pathologies like peri-implantitis or periodontitis, bone regeneration may be required. This Special Issue will comprise a selection of research papers and reviews, focused on the molecular level, contributing to the evaluation of the aptitude of dental biomaterials used for tissue regeneration after soft and hard tissue resorption with an emphasis on those used in periodontics. Additionally, in vitro and in vivo studies on the molecular mechanisms involved in tissue regeneration are of interest, since they will provide an important contribution to the development of regeneration strategies and to the identification of key biological regulation processes that still remain uncovered in dentistry. Prof. Bruna Sinjari

Guest Editor

Dr. Bruna Sinjari

Department of Innovative Technologies in Medicine and Dentistry, G. d'Annunzio University of Chieti-Pescara, 66100 Chieti, Italy

Deadline for manuscript submissions

closed (20 December 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/188015

*International Journal of
Molecular Sciences*
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

mdpi.com/journal/

[ijms](https://ijms.mdpi.com)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



[mdpi.com/journal/](https://mdpi.com/journal/ijms)

ijms



About the Journal

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.

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

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 (Inorganic Chemistry)