



Biomaterials for Cartilage and Bone Tissue Engineering

Guest Editor:

Dr. Francesca Scalera

Institute of Nanotechnology-CNR
NANOTEC, Lecce, Italy

Deadline for manuscript
submissions:

closed (15 March 2024)

Message from the Guest Editor

Dear Colleagues,

In clinical orthopedics, the successful regeneration of weight-bearing bone defects and critical-sized cartilage defects is still challenging. A valid approach to this is tissue engineering. This Special Issue is dedicated to recent developments in biomaterials for scaffolds for repairing and regenerating tissues such as bones, cartilage, tendons, meniscus, and ligaments, from synthesis to production methods. Topics of interest for this Special Issue also include cell–surface biomaterials interactions and bone cell mechanotransduction.

I hope that this issue will give new insights to the scientific community in this ever-expanding research field. The scientific contributions on these topics may be submitted in the form of original articles or reviews. I look forward to receiving your manuscripts.

Dr. Francesca Scalera

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

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](#), [CAPlus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Engineering, Biomedical*)

Contact Us

Bioengineering Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/bioengineering
bioengineering@mdpi.com
[X@Bioeng_MDPI](https://twitter.com/Bioeng_MDPI)