

Special Issue

Advanced Research in Osteoarthritis and Osteoarthrosis Management and Regenerative Strategies

Message from the Guest Editors

This Special Issue, entitled “Recent Advances in Osteoarthritis and Osteoarthrosis Management and Regenerative Strategies”, will focus on original research papers, case reports and comprehensive reviews that address cutting-edge experimental methodologies for multiscale investigations about tissue engineering and regenerative approaches by bringing together contributions from worldwide experts on stem cell biology, tissue engineering-based approaches, cartilage surgery strategies, cellular and experimental therapies and bioprocess development. The topics of interest for this Special Issue include, but are not limited to, the following:

- Advanced experimental techniques for characterizing inflammatory pathways;
- Novel biomaterials for bone/cartilage regeneration/reconstruction;
- Growth, remodeling and repair in bone/cartilage tissues;
- Investigations about new regenerative approach not only stem cells-based;
- Molecular and cellular mechanisms involved in the cartilage destruction;
- Current and future directions for 3D bioprinting to develop osteochondral unit constructs.

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Deadline for manuscript submissions

closed (30 September 2024)



Bioengineering

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Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



mdpi.com/si/173260

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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.

Editor-in-Chief

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