

Special Issue

Application of Biomolecular Materials in Tissue Engineering

Message from the Guest Editor

In the scope of the present Special Issue, tissue engineering ultimately denotes enabling remodeling or regaining the function of a tissue or organ in a living system with the use of a filler, implant, grafting material, artificial tendons, etc. Artificial organs and tissues can include bone, tendon, joint, skin, or cornea. The preferred topics for this issue include (but are not limited to):

- Experiments based on cell culture: e.g., in vitro investigations including sustained or controlled release, biocompatibility, toxicity testing, and drug delivery.
- Animal models, including in vivo experiments describing the restoration of function, the replacement of tissues and organs, enhancing regeneration, reducing inflammation, etc.
- Descriptions of theoretical regenerative models, degradation modelling, nanoscale applications, or 3D-printed materials.
- Industrial applications covering quality management, regulation, patenting, development, usability, and practical applications.

Original articles, reviews, mini-reviews, methodological articles will be eligible for consideration.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/196945

*International Journal of
Molecular Sciences*
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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

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