

## Special Issue

# Nanomaterials in Biomedicine, Microbiology and Tissue Engineering

### Message from the Guest Editor

Nanomaterials are increasingly gaining interest in biomedicine, offering new possibilities in diagnostics, targeted therapies, and tissue regeneration as a result. Their structure and composition can be precisely altered, which makes them highly useful as drug delivery systems, wound-healing-supporting materials or components of bioactive scaffolds. On the other hand, many nanomaterials themselves exhibit antimicrobial or antibiofilm properties, offering promising strategies for infection prevention and wound healing. Understanding these dual aspects, both the microbial risks and the antimicrobial potential, is crucial for developing nanomaterials that are safe, selective, and biologically compatible.

The aim of this Special Issue is to bring together studies exploring nanomaterials at the intersection of biomedicine, microbiology, and tissue regeneration. We welcome research and review papers covering the synthesis, characterization, and application of nanomaterials with antimicrobial or regenerative potential. Interdisciplinary submissions that combine nanotechnology, microbiology, and regenerative science are especially encouraged.

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### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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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.

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### Editor-in-Chief

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