



Biomolecules and Materials Based Approaches in Biomedical Field

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Deadline for manuscript
submissions:

closed (20 December 2023)

Message from the Guest Editors

This Special Issue of *Biomolecules* aims to provide a comprehensive overview of biomolecules and material-based approaches in biomedical fields; offering to the reader the latest advancements of biomolecules used for different biomedical purposes. The Special Issue will publish full research articles and systematic reviews. Potential topics include, but are not limited to, the following research areas:

- Biomolecules roles in biological processes and pathologies;
- Therapeutic molecules;
- Biomarkers;
- Biomolecules for disease diagnostics, and pharmaceutical development;
- Cell signaling biomolecules;
- Biomaterials for biomedical applications;
- Self-assembled biomaterials;
- Biofunctionalization of materials;
- New fabrication technologies (e.g., 3D printing);
- Biosensors for disease diagnostics and/or prognosis;
- 3D scaffolds and hydrogels;
- 3D material-based tissue models;
- Membrane bioreactors;
- Bioartificial organs;
- Materials for cell-/drug-delivery systems;
- In vitro material platforms for disease modeling/drug screening;
- Materials for fabricating microfluidic systems.





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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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