

## Special Issue

# Biomedical Applications of Microfluidics

### Message from the Guest Editor

This Special Issue is dedicated to the most recent innovations and emerging applications of microfluidics in the biomedical domain. Topics of interest include, but are not limited to, the following:

- Microfluidic systems for disease modeling and regenerative medicine;
- Organ-on-a-chip and lab-on-a-chip platforms;
- Integration of biosensors and real-time sensing technologies;
- AI/ML and mathematical modeling in microfluidic analysis;
- Microfluidics for personalized therapy and drug screening;
- Point-of-care testing (POCT) devices and clinical diagnostics.

We welcome both original research and comprehensive reviews that contribute to the advancement of microfluidics in biomedical science.

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### Guest Editor

Dr. Surjendu Maity

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### Deadline for manuscript submissions

31 July 2026



## Biomedicines

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## About the Journal

### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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### Editor-in-Chief

Prof. Dr. Felipe Fregni

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