

Special Issue

Advancing Innovations in Biomedical Research for Translational Applications

Message from the Guest Editors

Innovations in biomedical research continue to drive translational breakthroughs across a wide spectrum of human diseases. Such as nanoparticle-mediated delivery systems that enable precision medicine, advanced proteomic and lipidomic profiling techniques that uncover the molecular basis of diseases, and cutting-edge tools designed to enhance stem cell function in aging and degenerative conditions. In parallel, the development of novel therapeutic strategies, including targeted delivery of recombinant proteins, monoclonal antibodies, natural products, and engineered stem cells, has opened new frontiers for combating human diseases.

In this Special Issue, we aim to highlight multidisciplinary approaches at the forefront of biomedical innovation that are paving the way toward impactful therapeutic applications. We invite original research articles and comprehensive reviews.

We particularly encourage contributions from early-career investigators and emerging leaders in translational biomedical research. Your participation will help shape this exciting Special Issue and inspire future directions in the field.

Guest Editors

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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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