

Special Issue

Innovations in Functional Biomaterials for Biomedical Applications

Message from the Guest Editor

This Special Issue focuses on the design, development, and application of functional biomaterials that address current challenges in drug delivery, tissue engineering, regenerative medicine, wound healing, and biosensing. We welcome original research articles and reviews that explore the molecular-level mechanisms underlying biomaterial performance and biological interactions. As *IJMS* is a journal centered on molecular science, **all submissions must include molecular data or insights**. This can include, but is not limited to, the characterization of chemical structures, biomolecular interactions, molecular modeling, or analysis of gene- and protein-level responses in biological systems. This Special Issue aims to bring together interdisciplinary research at the interface of materials science, chemistry, biology, and medicine to highlight how molecular design and understanding can advance biomaterials for clinical applications. We encourage contributions that not only demonstrate innovative material functionality but also provide mechanistic insights at the molecular level.

Guest Editor

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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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