

Special Issue

Molecular Advances in Nanomedicine

Message from the Guest Editor

The continuous development of smart nanomaterials and nanotechnology in recent decades enabled significant progress in the use of biocompatible multifunctional nanoparticles (NPs) in advanced drug delivery, imaging, and biosensing for the treatment of various illnesses, including cancer, diabetes, neurodegenerative and infectious diseases. This Special Issue will focus on the recent and most promising approaches to the fabrication of advanced nanomedicines. Suitable topics include, but are not limited to: smart, stimuli-responsive nanomaterials for advanced drug delivery and theranostics; bioinspired chemistry and peptidomimetic approaches to nanomedicine; mechanisms of action of nanoparticles in the treatment of various diseases, including cancer, wound healing, CNS disorders, infections, and others; versatile nanoparticles for multimodal theranostic platforms; nanomedicine and nanotoxicity; sustainable multidisciplinary strategies for nanoparticle synthesis, characterization, and their applications with regard to nanomedicine.

Guest Editor

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Message from the Editor-in-Chief

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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