

Special Issue

Nanocomplexes and Drug Delivery Systems for Cancer Therapy

Message from the Guest Editor

The development of advanced nanocomplexes and drug delivery systems is revolutionizing cancer therapy, offering innovative strategies for targeted, controlled, and efficient delivery of therapeutic agents. This Special Issue aims to gather cutting-edge research and comprehensive reviews focused on the design, synthesis, and application of nanoscale carriers for cancer treatment. A broad spectrum of materials has been explored for these systems, including lipids, polymers, inorganic nanoparticles, biomimetic structures, and hybrid nanomaterials. In addition to conventional drugs, nanocarriers are being engineered to deliver biomolecules such as nucleic acids, peptides, and proteins, opening new avenues for gene therapy, immunotherapy, and personalized medicine. **Suitable topics include, but are not limited to, the following:** Design, synthesis, and characterization of nanocomplexes and nanocarriers; smart and stimuli-responsive release mechanisms; multifunctional theranostic platforms; strategies to overcome multidrug resistance; and tumor microenvironment-targeted approaches.

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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