



Nanomedicine Based Drug Delivery Systems: Recent Developments and Future Prospects

Guest Editor:

Dr. Faiyaz Shakeel

Department of Pharmaceutics,
College of Pharmacy, King Saud
University, Riyadh, Saudi Arabia

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editor

Since the discovery of nanomedicine-based drug delivery carriers such as nanoparticles, liposomes, and self-nanoemulsifying drug delivery systems (SNEDDS), enormous progress has been achieved in the field of innovative active biomolecule drug delivery systems. The use of nanomedicines as drug delivery carriers has garnered a lot of interest in recent years for the therapeutic targeting of specific cells. Biocompatibility, biodegradability, low toxicity, drug delivery efficiency, drug targeting efficiency, and improved solubility, bioavailability, and bioactivities are all advantages of these nanosized drug delivery carriers. These nanomedicine-based drug delivery carriers can also improve the pharmacokinetic and pharmacodynamics efficiencies of active therapeutic biomolecules, allowing for a more sustained, targeted, and controlled drug delivery system. This Special Issue aims to collect recent advances, developments, and future prospects on the design, development, characterization, and biological evaluation of nanomedicine-based drug delivery systems for active therapeutic biomolecules.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

Molecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/X@Molecules_MDPI)