



## Targeted Drug Delivery and Nanocarriers

Guest Editors:

**Prof. Dr. Sanjay Garg**

School of Pharmacy and Medical Sciences, University of South Australia, Adelaide, SA 5000, Australia

**Dr. Usha Y. Nayak**

Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences (MCOPS), Manipal University, Manipal, Karnataka 576104, India

Deadline for manuscript submissions:

**closed (10 April 2018)**

### Message from the Guest Editors

Nanocarriers are widely explored systems for diagnostic and various drug delivery applications. Among the controlled drug delivery technologies, targeted drug delivery has attracted the attention of researchers, as it comprises the systemic delivery of the drug-carrier system to specific cell types, tissues, or organs. Multifunctional capabilities of nanocarriers make them suitable for the targeted delivery of drugs with diverse nature, including proteins, peptides, or DNA. Polymeric/lipid-based nanoparticles, nanocomposites, nanofibres, and carbon nanotubes are a few examples of nanocarriers which are used extensively. The surface of the nanoparticles is modified or conjugated with the suitable ligands for targeting in order to minimise the opsonization and to prolong the circulation time. Targeted nanoparticulate delivery would mainly be beneficial in diseases like cancer and diseases related to the brain.

In this Special Issue, articles are invited to provide a recent insight into the nanocarriers which are useful for targeted drug delivery.





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, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](#)