

## Special Issue

# Lipid-Based Nanocarriers: Present Situation and Prospects for the Future

### Message from the Guest Editor

Lipid-based nanocarriers (solid lipid nanoparticles, nanostructured lipid carriers, vesicular nanocarriers including liposomes, niosomes, transfersomes, and ethosomes) have recently gained enormous interest for their potential pharmaceutical applications. They may in fact provide controlled drug release and allow the targeting of drugs to specific areas. Furthermore, their lipid properties (e.g., high solubilizing potential, biocompatibility, biotolerability, biodegradability, and distinct route of absorption) may significantly improve the bioavailability of very poorly water-soluble drugs for a set of administration routes. The Special Issue of the journal *Applied Sciences* entitled “Lipid-based nanocarriers: present situation and prospects for the future” wishes to cover the recent advances in the development of lipid-based nanocarriers aimed at the delivery of drugs by different routes of administration, underscoring the extraordinary value of this drug-carrying system in improving the bioavailability and therapeutic efficacy of the encapsulated drugs.

---

### Guest Editor

Dr. Carmelo Puglia

Department of Drug Sciences and Health, University of Catania, 95125 Catania, Italy

---

### Deadline for manuscript submissions

closed (30 November 2018)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/12909](https://mdpi.com/si/12909)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[applsci](https://doi.org/10.3390/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )