



## Polymeric Nanoparticles in Drug Delivery

Guest Editors:

**Dr. Gianpiero Calabrese**

Department of Pharmacy,  
Kingston University, London KT1  
2EE, UK

**Prof. Dr. Manuela Pintado**

Escola Superior de  
Biotecnologia, Universidade  
Católica Portuguesa, 4169-005  
Porto, Portugal

Deadline for manuscript  
submissions:

**closed (20 August 2022)**

### Message from the Guest Editors

Dear Colleagues,

Polymeric nanoparticles are versatile systems employed to address various aspects of drug delivery, they have enjoyed increasing popularity because of their favourable features of biocompatibility, biodegradability, low immunogenicity and, especially, their ability to deliver therapeutics to target cells with high efficiency. Polymers of natural or synthetic origin can be selected and methods for nanoparticle fabrication may vary from simple solvent evaporation to more complex procedures. Their physicochemical characteristics can be fine-tuned to enhance infiltration, stability, release and targeting to site of action; their nano size is key to allowing them to circulate in the body and cross biological barriers to target the tissue of interest in a stimuli-responsive fashion.

In this Special Issue, we invite submissions exploring innovation and originality in design, methods and applications of polymeric nanoparticles in drug delivery. Contributions can focus on single polymer or composite formulations, advanced methodologies of preparation and characterization, novel targeting strategies or applications. Survey papers and reviews are also welcomed.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

## Contact Us

---

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

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

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/Applsci)