

## Special Issue

# Triggered Drug Delivery Systems

### Message from the Guest Editor

The maturing of the field of nanotechnology has allowed in the last decades the development of a wide variety of solutions to biomedical problems, in particular in the fields of drug delivery and sensing. However, a large volume of this research is focused on passive delivery, such as accumulation of the nanocarriers at the site of interest, but without having a precise control on the time of the activation or drug release dosage of the nanomaterial. In recent years, there has been a growing effort to research smart and autonomous nanomaterials that activate only under endogenous or exogenous stimuli, either as nanocarriers or as the active entities themselves. The aim of this effort is to design nanosystems that allow tailored interventions, either by displaying on-demand activation in response to certain biomarker levels, or by allowing its activation through externally controlled stimuli. This special issue is a compilation of recent advances in nanomaterials which allow stimuli-responsive triggered drug release and sensing.

---

### Guest Editor

Prof. Dr. Pilar Rivera-Gil

Integrative Biomedical Materials and Nanomedicine Lab, Department of Experimental and Health Sciences, Pompeu Fabra University, 08003 Barcelona, Spain

---

### Deadline for manuscript submissions

closed (10 May 2020)



## Pharmaceutics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 7.9  
Indexed in PubMed



[mdpi.com/si/24862](https://mdpi.com/si/24862)

*Pharmaceutics*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)

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





# Pharmaceutics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 7.9  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

*Pharmaceutics* (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceuticals and biopharmaceuticals. The scientific community, the wider community and the general public have unlimited and free access to the content as soon as a paper is published; this open access to your research ensures your findings are shared with the widest possible audience. Please consider publishing your impressive work in this high quality journal. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Patrick J. Sinko  
Department of Pharmaceutics, Ernest Mario School of Pharmacy,  
Rutgers University, Piscataway, NJ 08854, USA

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2024).