



*pharmaceutics*



an Open Access Journal by MDPI

## Advanced Nanoscience of Biomaterials for Biomedical Applications

Guest Editors:

**Prof. Dr. Kwang-sun Kim**

RNA/Nano-Biochemistry Lab,  
Department of Chemistry and  
Chemistry Institute for Functional  
Materials, Pusan National  
University, Busan 46241,  
Republic of Korea

**Prof. Dr. Hansoo Park**

School of Integrative  
Engineering, Chung-Ang  
University, Seoul, Korea

**Prof. Dr. Won-Gun Koh**

Department of Chemical and  
Biomolecular Engineering, Yonsei  
University, Yonsei-ro 50,  
Seodaemun-gu, Seoul 03722,  
Korea

Deadline for manuscript  
submissions:  
**closed (10 February 2022)**

### Message from the Guest Editors

Over the past few decades, various biomaterials including organic molecules, synthetic polymers, metals, ceramics, proteins, and cell-derived materials have been developed for the delivery of bioactive molecules, surface coating of medical device, sensors for biomedical applications, engineered platform of cell engineering, and 3D bioprintings. They were often designed and employed for the improvement of biocompatibility and biological functions in medical sciences.

In many cases, those biomaterials possess functional properties such as control of biological response, self-assembled structure, effective sensing ability, and smart responses to chemical and physical stimuli due to their advanced nanostructures.

Therefore, in this Special Issue titled “Advanced nanoscience of biomaterials for biomedical applications,” we encourage researchers to present the most recent studies regarding various developments of nanotechnologies in the design, fabrication, and application of biomaterials. The manuscripts may include research articles and reviews for all nanoscience areas of biomaterials.



[mdpi.com/si/38960](https://mdpi.com/si/38960)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,  
Ernest Mario School of  
Pharmacy, Rutgers University,  
Piscataway, NJ 08854, USA

## Message from the Editor-in-Chief

*Pharmaceutics* (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceutics and biopharmaceutics. 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.

## 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, PMC, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1 (*Pharmaceutical Science*)

## Contact Us

*Pharmaceutics* 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/pharmaceutics](http://mdpi.com/journal/pharmaceutics)  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)  
X@MDPIpharma