



## Application of Chitosan and Hyaluronan in Medicine

Guest Editor:

**Dr. Katarína Valachová**

Centre of Experimental Medicine  
of Slovak Academy of Sciences,  
Dubravská cesta 9, 84104  
Bratislava, Slovakia

Deadline for manuscript  
submissions:

**closed (20 January 2022)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to publish papers concerning applications of chitosan and hyaluronan in medicine. Chitosan and its derivatives have been widely used in cosmetics and in the field of medicine, including biomaterials for tissue-engineered scaffolds and tissue repair, wound dressings, and biochemical separation systems. Hyaluronan, another  $\beta$ -polymer, is one of the major structural components of the extracellular matrix in vertebrates. HA is widely distributed in both prokaryotic and eukaryotic cells. Adult humans contain about 12–15 g of HA, most of which occurs in skin, vitreous body of the eye, umbilical cord, synovial fluid of articular joints. The HA biopolymer provides a wide range of pharmacological activities, including anti-inflammatory, wound healing and tissue regenerating, immunomodulatory, anti-cancer, anti-proliferative, anti-diabetic, anti-aging, skin repairing, and cosmetic properties.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: osteoarthritis, skin wound healing, tissue engineering, gene delivery, ophthalmology, dentistry, cancer.





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 and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)

## Contact Us

---

Pharmaceutics Editorial Office  
MDPI, Grosspeteranlage 5  
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