



Biopolymers for Drug Release

Guest Editor:

Dr. Álvaro Garcinuño

Department of Chemical
Engineering, University of
Salamanca, 37008 Salamanca,
Spain

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submissions:

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Message from the Guest Editor

Dear Colleagues,

The use of biopolymers for various biomedical applications has experienced a surge in recent decades due to the biocompatibility and biodegradability of these materials. Research on this topic has shifted from the use of more traditional biopolymers (such as alginate or chitosan) to the utilization of polymers that were previously relatively unknown but exhibit interesting properties with promising applications in various fields of medicine, including cancer treatment, drug delivery systems for antibiotics, bone regeneration, ocular treatment, and more.

This Special Issue welcomes papers (communications, articles, and reviews) related to the latest research on biopolymers for drug delivery. Topics may include but are not limited to, the following: the relation between biopolymers' properties and delivery properties, the modification of biopolymers for targeted therapies, biopolymers used for hydrogel formation with release applications, computational studies for drug release kinetics from biopolymers, and biocompatibility and biodegradability studies on them. The application of drug delivery covers cancer treatment, antibiotic administration, and immunotherapy.





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Editor-in-Chief

Prof. Dr. Pankaj Vadgama

School of Engineering and
Materials Science, Queen Mary
University of London, London, UK

Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials (JFB)* is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

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Journal of Functional Biomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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