Special Issue

State of the Art in Biomaterials for Drug Delivery

Message from the Guest Editor

In recent years, studies have found that biomedical materials as anticancer drug carrier can be implemented in targeted drug delivery in the human body, improve the utilization rate of the cancer drug effects, as well as largely reduce the side effects of anticancer drugs for normal human body cell tissue. In addition, the drug carrier can also effectively improve the properties and stability of anticancer drugs in tissues, and can enhance the slow release of drugs and reduce the lack of drug use on the body. Moreover, biomaterials advances have improved the safety and efficacy of diagnostic, therapeutic, and theranostic approaches for various diseases. Drug delivery system can also provide novel solutions by developing desirable and ideal materials to control the physicochemical, biological, structural, and mechanical microenvironment for successful drug. It is our pleasure to invite you to submit a manuscript for this Special Issue focusing on biomaterials, including but not limited to natural materials, composite material, functionalized nanomaterials, hydrogels, etc., for different drug delivery applications.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2024)

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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.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama
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