Special Issue

State of the Art in Biomaterials for Drug Delivery (2nd Edition)

Message from the Guest Editor

In recent years, studies have found that biomedical materials can be employed as carriers for anticancer drugs and implemented in targeted drug delivery in the human body, can enhance the utilization of these drug, and can signifcantly reduce the side effects of anticancer drugs on normal cell tissue. In addition, drug carriers 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 in the body. Moreover, advances in biomaterials have improved the safety and efficacy of the diagnostic, therapeutic, and theranostic approaches to various diseases. The structures and interactions between biomaterials and drugs can not only alter the effect of drugs, but possess the potential to influence the physiology of cells due to the close relationship between biological systems and the features of biomaterials. Drug delivery systems can also provide novel solutions via the development of desirable and ideal materials that are able to control the physicochemical, biological, structural, and mechanical microenvironment.

Guest Editor

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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

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