Special Issue

Advanced Biomaterials for Drug Delivery

Message from the Guest Editor

Biomaterials have been considered in designing various drug delivery systems in recent decades. Because of their safety, tailorability, and suitability for various therapeutic molecules, including drugs, peptides, vaccines, antibodies, and enzymes, biomaterials have been approved for use in drug delivery via different administration routes. Through the functionalization of biomaterials, a wide range of drug delivery and controlling drug release could be achieved.

Topics of this Special Issue include but are not limited to:

- Sources and classes of biomaterials in drug delivery;
- Safety features of biomaterial-based drug delivery systems;
- Functionalization of biologically active molecules;
- Biomaterials applications in various drug delivery systems;
- Enhancing the efficacy and targeting of chemotherapeutic agents;
- Biomaterial-based nanoparticulate drug delivery systems;
- Biomaterials in pharmaceutical processing and manufacturing.

Guest Editor

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About the Journal

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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