Special Issue

Nanomaterial-Based Biosensors for Clinical Applications

Message from the Guest Editors

For this Special Issue, we seek to collect original research and review articles that explore the use of advanced nanomaterials in biosensors to improve healthcare. We welcome submissions that explore novel approaches, techniques, modification strategies, and materials for developing high-performance biosensing platforms for easy, but precise, disease prognosis, diagnosis, and monitoring. Thus, it will cover a range of topics, including the following:

- Development of nanomaterials for biosensing;
- Application of nanomaterials in developing high-performance biosensors;
- Strategies for the functionalization of nanomaterials for sensing purposes;
- Development of biosensing and point-of-care devices based on nanomaterials;
- Nano-approaches for improving sensing performance;
- Detection of biomarkers using nano-(bio)sensors in clinical scenarios.

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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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