Special Issue

Functionalization of Magnetic Nanoparticles for Applications in Biomedicine

Message from the Guest Editors

In recent decades, magnetic nanoparticles (NPs), such as iron oxide NPs, have shown great potential for biomedical applications, including targeted drug release, molecular detection and isolation, magnetic resonance imaging, magnetic fluid hyperthermia therapy, etc. With the increasing importance of precision medicine, it is of great research significance to obtain one or several multifunctional magnetic nanomaterials with good stability in the field of biomedicine. This Special Issue will host papers related to recent developments in the field of biomedical applications of magnetic nanocomposites. Topics will include but not be limited to magnetic nanomaterials, magnetic resonance imaging, controlled drug release, cancer therapy, magnetic separation and detection of marker molecules, etc.

Guest Editors

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Deadline for manuscript submissions

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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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