

## Special Issue

# Nanoparticles for Cancer Diagnosis and Treatment

### Message from the Guest Editor

Cancer is the leading cause of death worldwide. Research on early diagnosis will help cure the disease at earlier stages. Chemotherapy is a frequently used treatment option for cancer, but this results in unwanted side effects. Nanotechnology-based targeted delivery of chemotherapeutic agents to cancer cells will ensure better therapeutic outcomes and minimize unwanted side effects. Lipid nanoparticles have been proven to be instrumental in gene therapy for the treatment of cancer and other infectious diseases. Immunotherapy for cancer is another attractive approach to achieve better therapeutic outcomes. In this Special Issue, we will focus on nanoparticle-based strategies for the diagnosis and treatment of cancer.

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### Guest Editor

Dr. Muhammad Muzamil Khan

Center of Nanomedicine, Brigham and Women's Hospital, Boston, MA, USA

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### Deadline for manuscript submissions

closed (30 April 2025)



## Journal of Functional Biomaterials

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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.

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### Editor-in-Chief

Prof. Dr. Pankaj Vadgama

School of Engineering and Materials Science, Queen Mary University of London, London, UK

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