



Advanced Biomaterials to Combat Cancer

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Message from the Guest Editors

Cancer causes the death of millions of people worldwide every year (cancer was the second leading cause of death in 2018), necessitating the design and development of new therapeutic strategies, anticancer-drug formulation and advanced personalized methods/materials with which to combat cancer. This Special Issue focuses on advanced biomaterials for combating cancer, including novel biotechnological interventions (e.g., surgical techniques), to use for the effective formulation and delivery of anticancer drugs (which are often challenging to formulate owing to their unique properties under transition from in vitro to in vivo investigation), and to apply for tissue engineering after tumors have been removed (e.g., polymer scaffolds for the regeneration of the affected tissues). This hugely important topic brings together research from many fields of science, and we welcome contributions from the breadth of disciplines involved in addressing it. The scope is not restricted to biomaterials for anticancer applications; contributions on similar topics are also welcome.

Keywords

- cancer
- biomaterials
- drug delivery systems
- tissue scaffolds
- regenerative medicine
- theranostic





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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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