

Special Issue

Smart Biomaterials

Message from the Guest Editor

Recent advances in biomaterials have led to the development of biomaterials that have the ability to sense and respond to stimuli to enhance functionality. Smart biomaterials include those that use biological or externally-applied signals to perform a task, such as release a drug, and degrade or change conformation. Smart biomaterial systems may incorporate polymers, metals, ceramics, or composites of multiple types of materials. Progress in additive manufacturing, nanofabrication, and imaging have enabled advancements in smart biomaterial technology. This Special Issue invites original research and reviews that relate to the interdisciplinary field of smart biomaterials, including applications, fabrication, evaluation, regulatory issues, and future directions.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2020)



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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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