Special Issue

Application of Bioactive Glass Scaffolds

Message from the Guest Editor

Since the discovery of the bioactive glass 45S5 by L.L. Hench in 1969, researchers have focused great attention on understanding the composition vs. bioactivity relationship. The emergence of relatively new processes and glass composition has led to the manufacturing of new bioactive glass and glass-ceramic scaffolds with a wide range of degradation rate, mechanical properties and having the ability to release therapeutic ions. The focus of this Special Issue is to provide a forum for original research articles, as well as critical reviews related to the progress that has been made in this field during the last decade, illustrating where we are at this time, expanding on results, newest advances, regulatory issues, and near future possibilities, as well as the limitations of these materials. The Special Issue, while focusing on bioactive glass and glass-ceramics, will also cover the use of such materials as secondary phase in composite or hybrid materials.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2020)

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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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