

Special Issue

State-of-the-Art Functional Biomaterials in Italy

Message from the Guest Editors

The current Special Issue aims at providing the latest advances in fundamental research on biomaterials recently produced by Italian scientists, in order to trace the current state of the art of biomedical applications in Italy. This Special Issue invites high-quality overviews and original technical papers on emerging research items in biomaterials in Italy, with a special focus on the synthesis of biopolymers with improved biological and biochemical functionalities to mimic the native cell microenvironment and the implementation of innovative processing techniques suitable for the fabrication of scaffolds and/or 3D models for investigating cell/material interactions. In this view, the use of a multidisciplinary approach is mandatory to satisfy the heterogeneous demands of this field; hence, contributions at the cutting edge of interdisciplinary studies such as material science, biophysics, biochemistry, biology, and biotechnology are strongly encouraged. We hope that the proposed Special Issue might offer a roadmap for worldwide researchers about current progress and biomaterials innovations in Italy to support future international collaborations in the biomedical area.

Guest Editors

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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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