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

Dr. Vincenzo Guarino

Institute of Polymers, Composites and Biomaterials (IPCB), National Research Council of Italy, Mostra d'Oltremare Pad. 20, V.le J. F. Kennedy 54, 80125 Naples, Italy

Dr. Ugo D'Amora

Institute of Polymers, Composites and Biomaterials, National Research Council of Italy, V. le J. F. Kennedy 54, Mostra d\Oltremare, Pad. 20, 80125 Naples, Italy

Deadline for manuscript submissions

closed (14 July 2023)



Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2 CiteScore 6.8 Indexed in PubMed



mdpi.com/si/123717

Journal of Functional Biomaterials Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 jfb@mdpi.com

mdpi.com/journal/ jfb





Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2 CiteScore 6.8 Indexed in PubMed





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

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Biomedical) / CiteScore - Q2 (Biomedical Engineering)

