Special Issue

Injectable and Biodegradable Hydrogels for Biomedical Applications

Message from the Guest Editor

Today, hydrogels are developed or used in various applications, such as cell scaffolds for cartilage or bone regeneration, drug delivery systems in oncology or antiadhesive barriers in general surgery. However, these materials still have a comparatively small impact on clinical practice. Despite the significant amount of R&D research, very few pass to clinical trials. For this reason, the aim of this Special Issue entitled “Injectable and Biodegradable Hydrogels for Biomedical Applications” is to highlight the current trends in injectable hydrogel development, as well as show their possibilities and limitations. In this Special Issue, we welcome the submission of manuscripts concerning injectable hydrogels for drug or cell delivery and hydrogels for scaffolds. Research articles concerning stimuli-responsive hydrogels, conducive hydrogels, self-healing hydrogels, and novel hybrid materials containing hydrogels are especially welcome. We look forward to the submission of new results on injectable hydrogels, as well as critical reviews concerning the subject of the Special Issue.

Guest Editor

Dr. Olga Urbanek

Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland

Deadline for manuscript submissions

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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

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

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