Journal of
Functional Biomaterials

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Biomechanical Study and Analysis for Cardiovascular/Skeletal Materials and Devices

Guest Editors:

Prof. Dr. Aike Qiao
Faculty of Environment and Life, Beijing University of Technology, Beijing 100124, China

Prof. Dr. Haisheng Yang
Faculty of Environment and Life, Beijing University of Technology, Beijing, China

Dr. Yongliang Mu
School of Metallurgy, Northeastern University, Shenyang 110819, China

Deadline for manuscript submissions:
closed (31 March 2023)

Message from the Guest Editors

Dear Colleagues,

Biomedical materials are a promising solution to overcome tissue and organ failure both in cardiovascular and skeletal systems. In recent decades, there has been incredible progress towards the repair, remodelling and regeneration of tissues such as vasculature, heart valves, joint, cartilage, cornea, retina etc. There is a great need for novel therapeutic options in treating numerous cardiovascular/skeletal diseases related to tissue failure. The biomechanical studies and analyses for cardiovascular/skeletal materials and devices are critical topics for the solution strategies of related clinical concerns.

The aim of this Special Issue is to demonstrate the state of the art of biomechanical studies and analyses for cardiovascular/skeletal materials, devices and their applications. Its scope includes—but is not limited to—fundamental studies of related materials, structures, devices and application issues. Both research and review articles are welcome.

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Editor-in-Chief

Prof. Dr. Pankaj Vadgama
School of Engineering and Materials Science, Queen Mary University of London, London, UK

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.

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Journal of Functional Biomaterials
Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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