

## Special Issue

# Bioinspired Materials for Medical and Biotechnological Applications

### Message from the Guest Editors

Nature is a practically inexhaustible source of inspiration for the design of synthetic materials. Hence, “bio-inspired materials” is a practically limitless field. In this Special Issue, we will focus on applications in medicine and biotechnology, where materials interact with biological systems, tissues, cells, and microorganisms to invoke the required response in a specific application. For example, we usually do not need microorganism growth in medicine, but we often need it in biotechnology. Characteristics of bio-inspired materials which are relevant for their performance may include, but are not limited to, topographical, chemical, mechanical, and electrical properties. Due to the wide scope of bio-inspired materials, contributions relating to biomaterials, tissue engineering, and biomimetics are also welcome.

Prof. Dr. Elzbieta Pamula  
Dr. Timothy E.L. Douglas

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### Guest Editors

Dr. John G. Hardy

Prof. Dr. Elzbieta Pamula

Dr. Timothy Douglas

Dr. Marloes Peeters

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### Deadline for manuscript submissions

closed (31 August 2022)



## Journal of Functional Biomaterials

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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.

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### Editor-in-Chief

Prof. Dr. Pankaj Vadgama

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

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