



## Functional Nanomaterials and Flexible Sensing Devices in Wearables

Guest Editors:

**Dr. Weili Deng**

School of Materials Science and  
Engineering, Southwest Jiaotong  
University, Chengdu, China

**Prof. Dr. Weiqing Yang**

School of Materials Science and  
Engineering, Southwest Jiaotong  
University, Chengdu, China

Deadline for manuscript  
submissions:

**31 July 2024**

### Message from the Guest Editors

This Special Issue on Functional Nanomaterials and Flexible Sensing Devices in Wearables aims to highlight recent advances and innovations in the field of wearable technology and the development of nanomaterials and flexible sensing devices for wearable applications, including but not limited to healthcare monitoring, fitness tracking, and environmental sensing.

This Special Issue will be situated within the existing literature by addressing the current state of the art in wearable technology and highlighting the potential of nanomaterials and flexible sensors for further advancements in this field. It will also provide a critical review of the challenges and opportunities associated with the development of functional nanomaterials and flexible sensing devices, and offer insights into future research directions and applications. Ultimately, this Special Issue will contribute to the advancement of wearable technology by promoting interdisciplinary research and collaboration across different disciplines, including materials science, electronics, and biomedicine.





an Open Access Journal by MDPI

## 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.

## 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](#), [Inspec](#), [CAPlus / SciFinder](#), [AGRIS](#), and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Biomedical*) / CiteScore - Q2 (*Biomedical Engineering*)

## Contact Us

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/jfb](http://mdpi.com/journal/jfb)  
[jfb@mdpi.com](mailto:jfb@mdpi.com)  
[X@JFB\\_MDPI](#)