

## Special Issue

# Biomaterials for Wound Healing and Tissue Repair

### Message from the Guest Editor

Wound healing is a complex process that involves the intricate interplay between cells, tissues, and biomaterials. In the last few years biomaterials have been widely investigated for several biomedical applications, such as implants, wound dressings, scaffolds, drug delivery systems, and antibacterial agents for regenerative medicine. In order to take proper care and achieve faster healing, it is important to understand the healing process, learn about the barriers involved therein, and treatment options. For this issue, contributions highlighting the innovative techniques and devices making use of biomaterials for wound healing and repair are solicited. All aspects of wound healing and care including immune response, tissue engineering, skin grafting, and controlling infections are covered. Thus, this special issue will provide a platform for researchers, clinicians, and engineers to showcase their innovative approaches and novel biomaterials designed to accelerate wound healing, promote tissue regeneration, and enhance patient outcomes.

### Guest Editor

Dr. Bouke Boekema

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### Deadline for manuscript submissions

closed (20 May 2026)



## 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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