



## Experimentation, Numerical and Analytical Methods in Functional Biomaterials

Guest Editor:

**Dr. Konstantinos Katakalos**

Laboratory for Strength of  
Materials & Structures,  
Department of Civil Engineering,  
School of Engineering, Aristotle  
University of Thessaloniki,  
University Campus, Egnatia  
Street, 54124 Thessaloniki,  
Greece

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submissions:

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### Message from the Guest Editor

Dear Colleagues,

Lately, the need for personalized medical treatment has increased very rapidly, thus driving research of functional biomaterials towards the development of new applied techniques and methodologies. Investigations into functional biomaterials, however, have not yet been able to use realistic, quantitative, modeling-based experiments to validate, in a safe manner, the complicated mechanisms to safely and effectively predict the applicability of the proposed techniques.

However, a wide research effort is underway to bring mature applications into this field. The present Special Issue will focus on projecting innovative ideas that have been validated with either experimental studies or numerical and analytical approaches.

Distinguished researchers are encouraged to present their studies concerning the general fields of biomechanics, orthopedic techniques, fracture mechanics, and material modeling.

It is our pleasure to invite all of you to submit your research to this special issue. Research Articles, Short Communications and Review Papers are welcome!

Dr. Konstantinos Katakalos

*Guest Editor*





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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, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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