



Ocular Tissue Engineering

Guest Editor:

Prof. Dr. Dimitrios Karamichos

North Texas Eye Research
Institute (NTERI), University of
North Texas Health Science
Center, Fort Worth, TX 76107, USA

Deadline for manuscript
submissions:

closed (30 November 2015)

Message from the Guest Editor

Dear Colleagues,

Tissue engineering emerged back in the 1990s as a new concept to overcome the problem of tissue and organ failure. Over recent decades, there has been incredible progress towards the regeneration of tissues such as bone, heart valves, cartilage, cornea, and retina. In terms of ocular tissue engineering, despite the scientific and strategic incentive for reconstructing ocular tissues, there is also a tremendous need for novel therapeutic options in treating numerous eye diseases related to tissue failure. The aim of this Special Issue is to discuss tissue engineering applications of ocular tissues including but not limited to cornea, retina, and lenses. Both research and review articles focusing on ocular diseases and tissue engineering applications are welcome.

Dr. Dimitrios Karamichos
Guest Editor





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](#), [CAPus / 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

mdpi.com/journal/jfb
jfb@mdpi.com
[X@JFB_MDPI](#)