



## Advanced Tissue Engineering Scaffolds

Guest Editors:

**Dr. Julian F. Dye**

Institute of Biomedical  
Engineering, University of Oxford,  
Oxford OX3 7DQ, UK

**Dr. Naresh Kasoju**

Division of Tissue Culture,  
Department of Applied Biology,  
Biomedical Technology Wing,  
Sree Chitra Tirunal Institute for  
Medical Sciences and  
Technology,  
Thiruvananthapuram, Kerala  
695012, India

Deadline for manuscript  
submissions:

**closed (30 June 2018)**

### Message from the Guest Editors

This Special Issue is open to any contribution which addresses the theme of advanced scaffolds, especially those that impact on the need to bring effective technologies to produce the widest public benefit. Topics include, but are not limited to the following:

### Keywords:

- Scaffold biomaterials including proteins, polysaccharides, polymers, metals, ceramics and composites
- Scaffold fabrication techniques, including electrospinning, phase separation and 3D printing
- Structure–function relationship studies in tissue engineering
- Reconstructive and therapeutic tissue engineering, cell encapsulation, and disease biology models
- Decellularisation and recellularization technologies in tissue engineering
- Specialized topics including organ-on-chip models, modular tissue engineering, interfacial/junctional tissue engineering.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Anthony Guiseppi-Elie**

Department of Biomedical  
Engineering, Texas A&M  
University, College Station, TX  
77843, USA

## Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of 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](#), [CAPlus / SciFinder](#), [Inspec](#), and [other databases](#).

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

## Contact Us

---

*Bioengineering* 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/bioengineering](http://mdpi.com/journal/bioengineering)  
[bioengineering@mdpi.com](mailto:bioengineering@mdpi.com)  
[X@Bioeng\\_MDPI](https://twitter.com/Bioeng_MDPI)