

## Special Issue

# Biomaterials and Tissue Engineering

### Message from the Guest Editors

Recently, the emerging field of biomaterials has received a significant amount of attention that has boosted research and development. As a result, many different biomaterials, both naturally occurring and synthetic, have been prepared and manufactured for various potential tissue engineering applications, particularly as tissue engineering scaffolds and drug delivery vehicles. However, translational research that closely links biomaterial and tissue engineering research with real clinical applications is still elusive. In this Special Issue, manuscripts that address basic biomaterial synthesis or processing methods with demonstrated translational potential for real clinical applications are particularly solicited. Possible topics include but are not limited to: New biomaterial synthesis and fabrication methods, delivery systems for both drugs and cells to achieve therapeutic effects using biomaterials as delivery vehicles, biomaterials and nanomaterials for tissue engineering applications, particularly in non-invasive and multimodal imaging applications, and novel tissue engineering scaffolds prepared using 3D bioprinting techniques or other methods.

---

### Guest Editors

Prof. Dr. Xudong Cao

Faculty of Engineering, University of Ottawa, 770 King Edward Ave.,  
Ottawa, ON K1N 6N5, Canada

Dr. Eve C. Tsai

Associate Scientist, Neuroscience Program, Ottawa Hospital Research  
Institute, 1053 Carling Avenue, Ottawa, ON K1Y 4E9, Canada

---

### Deadline for manuscript submissions

closed (30 November 2020)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/19159](https://mdpi.com/si/19159)

*Processes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

[mdpi.com/journal/  
processes](https://mdpi.com/journal/processes)





# Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/journal/  
processes](https://mdpi.com/journal/processes)



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

---

### 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), Ei Compendex, Inspec, AGRIS, and other databases.

#### Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))