

Special Issue

Biofabrication Scaffold in Regenerative Medicine

Message from the Guest Editors

The emergence of biofabrication technology and its related novel concepts such as 3D and 4D bioprinting has allowed us to fabricate and mimic complex native tissues. The goal of such tissue engineering is to fabricate complex tissue-like structures for tissue regeneration and personalized treatments such as drug screening and toxicological studies. Of the many parameters involved in bioprinting, the biomaterial plays a huge role in determining the feasibility of constructs for tissue engineering. Biomaterial biocompatibility allows for high cell viability and high retention of growth factors whilst the structural stability and geometry of the printed constructs allows specific cellular proliferation and differentiation. Many studies have attempted to explore suitable biomaterials for various applications by modifying and tuning the characteristics of various biomaterials. Therefore, this Issue is mainly focused on the various novel modifications of biomaterials used for tissue engineering and it is hoped that such a collection of articles could be used as a platform for future brainstorming.

Guest Editors

Dr. Ming-You Shie

School of Dentistry, China Medical University, Taichung City 40447, Taiwan

Dr. Kan Wang

The Georgia Tech Manufacturing Institute, Georgia Institute of Technology, Atlanta, GA, USA

Deadline for manuscript submissions

closed (30 September 2021)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/38865

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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))