

## Special Issue

# 3D Bioprinting Strategies for Regeneration Tissues and Organs

### Message from the Guest Editors

Dear Colleagues I invite you to contribute to a Special Issue of the journal Applied Sciences, “3D Bioprinting Strategies for the Regeneration Tissues and Organs”, which aims to present recent developments in the field of 3D bioprinting in biology and medicine. In this Special Issue, we aim to discuss bioprinting technologies, bioprinting process, and bioinks able to recapitulate the inherent microenvironmental niche in 3D cell-printed constructs. The collection of articles can serve as a toolbox for biomedical engineers who want to understand the beneficial characteristics of the bioinks and a basic set of fundamental criteria for engineering functional human tissues and organs and its applications to tissue engineering and regenerative medicine. I thus invite you to submit your research on these topics, in the form of original research papers, mini-reviews, and perspective articles.

---

### Guest Editors

Prof. Dr. Jinah Jang

Department of Convergence IT Engineering and Mechanical Engineering, Pohang University of Science and Technology (POSTECH), Pohang 37673, Korea

Dr. Byoung Soo Kim

School of Biomedical Convergence Engineering, Pusan National University, Yangsan 50612, Republic of Korea

---

### Deadline for manuscript submissions

closed (20 August 2021)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/79389](https://mdpi.com/si/79389)

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

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

[appls](https://appls.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, 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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )