

Special Issue

3D-Printed Hydrogels

Message from the Guest Editors

Hydrogels have received considerable attention over the past few decades and are distinguished from other materials by their unique and outstanding properties. The three-dimensional (3D) printing of hydrogel materials has rapidly developed into complex structures, with great strides in tissue engineering (corneal transplantation, bone treatment, and joint injuries), soft actuators/robotics, flexible electronics, and more. This Special Issue addresses the current challenges and future perspectives of 3D hydrogel printing and aims to discuss the applications of 3D-printed hydrogel structures in biomedicine, tissue engineering, medical devices, soft actuators, and flexible electronics. Research on the progress of 3D printing hydrogel technology is also welcome. Prof. Dr. Shan-hui Hsu

Guest Editors

Prof. Dr. Shan-hui Hsu

Institute of Polymer Science and Engineering, National Taiwan University, Taipei 10617, Taiwan

Dr. Mingyou Shie

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

Deadline for manuscript submissions

closed (30 September 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/144415

Applied Sciences
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



[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, CAPIus / SciFinder, and other databases.

Journal Rank:

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