



Hydrogel for Wearable Sensing Applications

Guest Editors:

Dr. Hao Liu

Bioinspired Engineering and Biomechanics Center (BEBC), Xi'an Jiaotong University, Xi'an 710049, China

Dr. Moxiao Li

College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing 210016, China

Deadline for manuscript submissions:

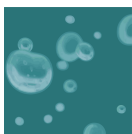
closed (30 April 2023)

Message from the Guest Editors

The increasingly hot topic of wearable sensors has been captivating interest from a multitude of applications in personal healthcare, soft robotics and human–machine interaction. The latest advances in materials innovation have come up with an ideal candidate (i.e., hydrogels) enabling wearable sensing with high conformability, tough adhesion and low impedance, benefiting from the many superiorities of the jelly-like material. From basic modifications to make hydrogels stretchy or adhesive to fascinating demonstrations of wearable functionality even at elevated or sub-zero temperatures, we have witnessed the ongoing development of wearable hydrogel sensors in recent years.

Thus, this Special Issue on “Hydrogel for Wearable Sensing Applications” aims to collect up-to-date advances in the broad subject area of hydrogel-based wearable sensing. Your cutting-edge work on hydrogel electronics, hydrogel sensors, hydrogel interfaces, the mechanics and adhesion of hydrogels, as well as novel ionogels and organogels will be highly appreciated.





gels



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Esmail Jabbari

Biomimetic Materials and Tissue Engineering Laboratory,
Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208, USA

Message from the Editor-in-Chief

Gels (ISSN 2310-2861) is recently established international, open access journal on physical and chemical gel-based materials. The journal aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. General topics include but not limited to synthesis, characterization and applications of new organogels, hydrogels and ionic gels made either from low molecular weight compounds or polymers, composite and hybrid materials where a metal is by some means incorporated into the gel network, and computational studies of these materials in order to provide a better understanding of gelation mechanism. We cordially invite you to consider publishing with us and contribute with your own grain of sand to the advance in this fascinating field.

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](#), and [other databases](#).

Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q2 (Polymers and Plastics)

Contact Us

Gels Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/gels
gels@mdpi.com
[X@Gels_MDPI](#)