

Special Issue

Recent Advances in Wearable Gel-Based Flexible Electronics

Message from the Guest Editors

Society has rapidly progressed in recent decades from the industrial revolution to the era of digital innovation. Digital technology allows for robust, convenient, and on-demand information acquisition. Flexible electronics-based wearable devices, from jewelry to clothing, are probably one of the digital technologies that we have the closest contact with. These devices do not just function as usual electronics, but they come into contact with our body and operate as a tracker to help us to trace our physical activities and understand the physiological status of our body, e.g., steps and heartbeat. Gels offer significant advantages when it comes to the development of wearable devices as they possess unique properties such as light weight, stretchability, etc. The incorporation of gels in wearable devices allows better conformality of wearable devices to surfaces, offering improved protection, comfort, and performance stability. This Special Issue aims to highlight the state of the art of wearable gel-based devices.

Guest Editors

Dr. Tengjiao Wang

Frontiers Science Center for Flexible Electronics (FSCFE), Xi'an Institute of Flexible Electronics (IFE) & Xi'an Institute of Biomedical Materials and Engineering (IBME), Northwestern Polytechnical University (NPU), Xi'an 710072, China

Dr. Chen Qian

School of Materials Science & Engineering, Zhejiang Sci-Tech University, Hangzhou 310018, China

Deadline for manuscript submissions

closed (31 December 2022)



Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/98960

Gels
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
gels@mdpi.com

mdpi.com/journal/

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





Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed



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



About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Prof. Dr. Esmail Jabbari

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

Prof. Dr. Chuanliang Feng

State Key Lab of Metal Matrix Composites, School of Materials Science and Engineering, Shanghai Jiao Tong University, Shanghai 200240, China

Author Benefits

High visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 13.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).