

## Special Issue

# Towards Smart Gel Material for Flexible and Wearable Electronics

### Message from the Guest Editors

Smart gels are a type of hydrogel that can respond to external stimuli, such as temperature, pH, or light. These gels can change their shape, size, or mechanical properties in response to these stimuli, making them highly versatile materials for use in electronic devices.

With the growing demand for flexible and stretchable electronics, smart gel materials have emerged as promising candidates due to their distinctive properties, including flexibility, their capacity for self-healing, and their electrical conductivity. One of the key advantages of using smart gels in flexible and wearable electronics is their ability to conform to irregular shapes. Traditional electronic materials are rigid and inflexible, making them challenging to use in devices that need to be flexible and conformable. Smart gels, on the other hand, can easily adapt to curved surfaces and stretch without losing their functionality, making them ideal for utilization in wearable devices that need to be in close contact with the skin.

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### Guest Editors

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### Deadline for manuscript submissions

15 July 2026



## Gels

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### 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.

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### Editors-in-Chief

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