

*gels*



an Open Access Journal by MDPI

## Application of Hydrogels in Therapeutics and Theranostics Delivery

Guest Editor:

**Dr. Rajendran JC Bose**

Biomedical and Translational  
Medicine, Masonic Medical  
Research Institute, Utica, NY  
13501, USA

Deadline for manuscript  
submissions:

**closed (1 July 2022)**

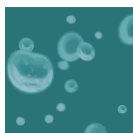
### Message from the Guest Editor

Hydrogels are hydrophilic, three-dimensional networks that can absorb large amounts of water or biological fluids. Hydrogels can provide spatial and temporal control over the release of various therapeutic and theranostic agents, including small-molecule drugs, genes, imaging agents, growth factors, and cells. Local administration of these hydrogels allows delivery of higher “effective” doses while enhancing therapeutic molecules’ stability, minimizing side effects. Hydrogels have proven to be highly biocompatible materials that allow for the customized design to afford sensing and therapy at the same time. However, numerous challenges need to be addressed well for successful bench to bedside translation. Thus, in this “Special Issue”, we invite researchers to contribute their current forays into this important emergent field.



[mdpi.com/si/86206](https://mdpi.com/si/86206)

# Special Issue



***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](#), [CAPus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q1 (*Polymer Science*)

## Contact Us

---

*Gels* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/gels](http://mdpi.com/journal/gels)  
[gels@mdpi.com](mailto:gels@mdpi.com)  
[X@Gels\\_MDPI](#)