

## Special Issue

# Hydrogels in Biomedicine: Drug Delivery and Tissue Engineering

### Message from the Guest Editors

Hydrogels have emerged as versatile biomaterials with unique properties—high water content, tunable mechanical behavior, and excellent biocompatibility—that make them ideal for biomedical applications. In recent years, hydrogels have been engineered not only as passive scaffolds but also as active platforms for drug delivery, tissue regeneration, and cellular therapy. This Special Issue will highlight cutting-edge research on hydrogels for drug delivery and tissue engineering, with a special focus on regenerative strategies, neural repair, controlled release systems, and multifunctional hydrogel composites. We welcome contributions covering novel synthesis and characterization methods, in vitro and in vivo performance evaluation, translational approaches, and clinical potential.

### Guest Editors

Dr. Alexandra Rotaru Zavaleanu

Department of Epidemiology, University of Medicine and Pharmacy of Craiova, 200349 Craiova, Romania

Dr. Bogdan Catalin

Experimental Research Centre for Normal and Pathological Aging, University of Medicine and Pharmacy of Craiova, 200349 Craiova, Romania

### Deadline for manuscript submissions

15 August 2026



## Gels

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*Gels*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[gels@mdpi.com](mailto:gels@mdpi.com)

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## 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.

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### 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

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