

Special Issue

Biopolymeric Hydrogels for Drug Delivery and Tissue Regeneration

Message from the Guest Editors

This Special Issue, “Biopolymeric Hydrogels for Drug Delivery and Tissue Regeneration”, will showcase a broad spectrum of research studies on topics from novel hydrogel formulations designed to deliver drugs directly to tumor sites to the promotion of faster and more efficient wound healing and the provision of scaffolding for tissue regeneration. This Special Issue will also highlight recent advancements in hydrogel 3D printing and its potential use for creating tissue scaffolds that can accelerate healing and improve clinical outcomes. We hope to provide a comprehensive platform for researchers to share their advancements in the development of novel biopolymeric hydrogel formulations for targeted drug delivery, tissue engineering, and associated biomedical applications. Topics of interest include, but not limited to, the following:

- The design of smart hydrogels;
- Advancements in the characterization of hydrogels;
- Hydrogel applications in drug delivery;
- Hydrogels in wound healing and tissue regeneration;
- Anti-microbial applications of hydrogels.

Guest Editors

Dr. Nairrita Majumder

School of Medicine, University of California Los Angeles, Los Angeles, CA 90095, USA

Prof. Dr. Nandita Das

Department of Pharmaceutical Sciences, College of Pharmacy & Health Sciences, Butler University, Indianapolis, IN 46208, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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.

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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