

Special Issue

Functional Gels Applied in Tissue Engineering

Message from the Guest Editors

We are here to organize a Special Issue “Functional Gels Applied in Tissue Engineering”. Gels or hydrogels became one of the most common biomaterials over recent years due to their excellent properties. For example, as a promising candidate for scaffold materials in tissue regeneration, gels based on both synthetic and natural polymers have attracted intense research interests. The present Special Issue is dedicated to providing an open and vivid forum to share and discuss your latest research milestones on the theories, applications, challenges, and perspectives of using functional gels and/or hydrogels in tissue regeneration and repair. We aim to demonstrate and discuss our current understanding on the structures, synthesis, performance assessments, and applications of various gels to facilitate tissue reconstructions. The paper type can be a research article, review, short communication, method/protocol, or perspective.

Guest Editors

Dr. Hai Xin

Dr. Maruf Al Maruf

Dr. Alexey Vertegel

Deadline for manuscript submissions

closed (10 May 2025)



Gels

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Gels
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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