

Special Issue

Synthetic, Natural and Hybrid Gels Intended for Various Applications

Message from the Guest Editors

Gels as physically and/or chemically crosslinked 3D systems have received much attention in recent decades, to such an extent that most fundamental and applied research in the field of materials refers, more or less, to the gel state of matter. Depending on the nature of the immobilized liquid phase, there are two general kinds of gels: hydrogels—in which the majority of the liquid phase is aqueous—and organogels—in which the immobilized liquid consists of an organic solvent or a homogenous mixture of organic solvents, irrespective of the characteristics of the gelator(s) (natural, synthetic, or with low or high molecular mass) and the attractive interactions (physical, or chemical between gelator molecules) through which the entire gel-like system is crosslinked. This Special Issue focuses on the latest results, obtained using appropriate methods of investigation, characterization and analyses, regarding the relationships between the structural peculiarities of such 3D networks, as well as their properties and potential applications.

Guest Editors

Dr. Teodora Staicu

Department of Physical Chemistry, University of Bucharest, 4-12 Regina Elisabeta Blvd., 030018 Bucharest, Romania

Dr. Marin Micutz

Department of Physical Chemistry, University of Bucharest, 4-12 Regina Elisabeta Blvd., 030018 Bucharest, Romania

Deadline for manuscript submissions

closed (20 June 2024)



Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/162446

Gels
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
gels@mdpi.com

[mdpi.com/journal/
gels](https://mdpi.com/journal/gels)





Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed



[mdpi.com/journal/
gels](https://mdpi.com/journal/gels)



About the Journal

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.

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

Author Benefits

High visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.5 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).