Special Issue

Eco-Friendly Gels for Adsorption

Message from the Guest Editors

The purpose of this Special Issue is to present the latest developments and innovations in the development and application of environmentally friendly gels with proven adsorption applications. We welcome original research articles, authoritative reviews, and short communications investigating the design, characterization, and environmentally friendly gels for adsorbing pollutants, contaminants, and other target molecules from a variety of sources within aqueous or non-aqueous environments. Topic of interests includes gels derived from natural, renewable, and biodegradable materials; green synthesis methods; methods of characterization; adsorption mechanisms; the removal of heavy metals, organic contaminants, and emerging pollutants; and more. Contributions regarding practical applications in water purification and environmental mitigation and demonstrating the scalability, cost-effectiveness, and feasibility of simple real-world gel adsorbents are particularly encouraged.

Guest Editors

Dr. Elena Ungureanu

Faculty of Horticulture, "Ion Ionescu de la Brad" Iasi University of Life Sciences, 700490 Iasi, Romania

Prof. Dr. Valentin Popa

Faculty of Industrial Chemistry, "Gheorghe Asachi" Technical University of Iasi, 73 Prof. Dr. Docent Dimitrie Mangeron Blv., 700050 Iasi, Romania

Deadline for manuscript submissions

25 September 2025

Gels

an Open Access Journal by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/204905

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

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

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. Esmaiel 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, CAPlus / 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).

MDPI