Special Issue

Hydrogelated Matrices: Structural, Functional and Applicative Aspects

Message from the Guest Editors

Generated by multi-scale organization, hydro-, aero- and organogelated matrices are soft materials that are useful for horizon applications. Formed by both polymers or self-assembling molecules via non-covalent interactions or through supramolecular chemistry pathways, these materials were identified as useful tools for exploring different areas of application, including sustained API (active pharmaceutical ingredient) delivery, tissue engineering, optoelectronics, sensors and surface modification. This Special Issue aims to enhance the knowledge about the structural, organizational and applicative features of the gels' state of matter. Full research articles, reviews, letters and mini reviews that cover these topics or similar topics are welcome. We look forward to receiving your contributions.

Guest Editors

Dr. Enrico Gallo
IRCCS Synlab SDN, Via G. Ferraris 144, 80146 Naples, Italy

Dr. Carlo Diaferia
1. Department of Pharmacy, Via Domenico Montesano 49, 80131 Naples, Italy
2. Research Centre on Bioactive Peptides (CIRPeB), University of Naples "Federico II", 80134 Naples, Italy

Deadline for manuscript submissions

closed (15 October 2024)

Gels

an Open Access Journal by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/156335

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