



gels



an Open Access Journal by MDPI

Gel-Supported Catalysts for Sustainable Chemistry

Guest Editor:

Dr. Maria H. L. Ribeiro

Research Institute for Medicines
(iMed.Ulisboa), Faculty of
Pharmacy, Universidade de
Lisboa, 1649-003 Lisbon,
Portugal

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editor

In recent years, gels have played a crucial role in biocatalysts, particularly in the field of enzymatic reactions. The activities of gels in biocatalysts involve immobilizing enzymes within a three-dimensional porous matrix, retaining the catalytic activity, enhancing substrate accessibility, protecting from inhibitors, and providing controlled release. Therefore, the development of polymeric gels in the form of hydrogels and others is continuously evolving to improve their activities for applications in immobilization matrixes, sensing, detection and monitoring, tissue engineering, wound healing, and drug delivery.

Thus, this Special Issue has been launched to collect original research and reviews to provide a comprehensive overview of the fundamental design concepts and future direction of enzyme-loaded polymeric gels.



mdpi.com/si/204368

Special Issue



gels



an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPus](#) / [SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q2 (Polymers and Plastics)

Contact Us

Gels Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/gels
gels@mdpi.com
[X@Gels_MDPI](https://twitter.com/Gels_MDPI)