



gels



an Open Access Journal by MDPI

Synthetic, Natural and Hybrid Gels Intended for Various 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)

Message from the Guest Editors

Dear Colleagues,

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.

Dr. Teodora Staicu

Dr. Marin Micutz

Guest Editors



mdpi.com/si/162446

Special Issue



gels



an Open Access Journal by MDPI

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

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.

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](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q1 (Organic Chemistry)

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](#)