



gels



an Open Access Journal by MDPI

Recent Advances in Food Gels

Guest Editors:

Prof. Dr. Ryszard Rezler

Department of Physics and
Biophysics, Poznań University of
Life Sciences, 60-637 Poznań,
Poland

Dr. Przemysław Siejak

Department of Physics and
Biophysics, Poznań University of
Life Sciences, 60-637 Poznań,
Poland

Prof. Dr. Krzysztof Polewski

Department of Physics and
Biophysics, Poznań University of
Life Sciences, 60-637 Poznań,
Poland

Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editors

Dear Colleagues,

The *Gels* invites you to submit an article to a Special Issue entitled “Recent Advances in Food Gels”.

Polymer gels are special colloidal systems arising from sol coagulation. They exhibit three-dimensional spatial structures. This kind of system can be characterized as a transitory state of matter or substance, which can be considered between a solid state and a liquid state. Gels possess both elastic and viscous properties. Similar to solids, they can exhibit an elastic response, deforming as a result of external force application but returning to their original shape and dimensions when the force disappears. On the other hand, gels also show viscous behavior, as a part of displacement energy is not recovered after the force is reduced to zero. This can result in the flow of gels.

This Special Issue aims to collect high-quality manuscripts reporting any of the following: new methods of gel design and preparation; the mechanisms and nature of gelling; and the structural, mechanical, or spectroscopic characterization of edible gels.



mdpi.com/si/132950

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*)

Contact Us

Gels Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/gels
gels@mdpi.com
[X@Gels_MDPI](#)