



gels



an Open Access Journal by MDPI

Functional Gels for Agricultural and Environmental Applications

Guest Editors:

Dr. Yulong Zhang

College of Natural Resources and
Environment, South China
Agricultural University,
Guangzhou 510642, China

Dr. Hui-Juan Xu

College of Natural Resources and
Environment, South China
Agricultural University,
Guangzhou 510642, China

Deadline for manuscript
submissions:

closed (31 July 2023)

Message from the Guest Editors

Gels (aerogels, hydrogels, etc.) have a huge potential in agricultural and environmental applications due to their abundant porous structure and surface groups, great mechanical strength, excellent design flexibility, and biocompatibility. However, developing functional gels for broader application scenarios and better application effects is still a big challenge.

This Special Issue is focused on the synthesis and characterization of novel functional gel-based materials and their agricultural and environmental application. We look forward to the submission of frontier studies and reviews on the development and application of functional gels in agricultural and environmental fields.

For more information, please visit: mdpi.com/si/125489



mdpi.com/si/125489

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](#)