

Special Issue

Designing Gels for Food Packaging

Message from the Guest Editors

In the modern food industry, food packaging plays a role that cannot be overlooked as few foods are sold without packaging. Good packaging prevents waste and ensures that the food retains its desired quality throughout its shelf life. Gels, including hydrogels, aerogels, organogels, ionic gels, colloidal gels, etc., which have a semi-solid colloidal or polymer network and can be used for absorbing or loading various functional agents, have numerous applications in food packaging, so more research efforts are needed in this area. Most research interests are focused on the preparation and design of hydrogels from biopolymers such as chitosan, pectin, gelatin, cellulose and its derivatives, etc., and the application as active packaging materials or intelligent packaging materials, such as absorbent pads, and an indicator for food packaging applications. For this Special Issue, short communications, full research papers, and review papers on the topic of “Designing Gels for Food Packaging”, which aim at the design of functional gels for the food packaging applications, e.g., hydrogels, aerogels...

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2023)



Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/131861

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About the Journal

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.

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