



gels



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Properties and Structure of Plant-Based Emulsion Gels

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Message from the Guest Editors

The composition of emulsion gels involves a polymeric network formed by a gelling agent with oil droplets encapsulated, or with oil droplets either encapsulated within the network or aggregated alongside solid particles irreversibly adsorbed at the oil–water interface. Currently, different researchers consider that the structural and the mechanical properties of the emulsion gels are influenced by different factor, including the processing methods, the gelling matrix, the presence of emulsifying agents and the interaction between components. However, novel plant-based materials are gaining attention, and the gelling interactions for emulsion gels elaboration are still unexplored.

This Special section will focus on elucidating the complexities of the properties and structural interactions in the study of plant-based emulsion gels. A variety of characterization techniques, from microscopic to macroscopic, together with modelling techniques will help to broaden our view of these systems. The overarching goal is to incite research endeavors for novel discoveries within the realm of emulsion gel networks and structures.



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Special Issue



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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.

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