

## Special Issue

# Properties and Applications of Cellulose Based Gel

### Message from the Guest Editors

Cellulose is a common and important organic compound on Earth, found in the cell wall of green plants and many forms of algae, fungi and molds. As the most abundant polymer, it is one of the oldest raw materials that have been used by humans since the dawn of civilization. Due to its unique structure and excellent properties, such as biocompatibility, biodegradability, chemical stability and derivatization, coupled with its low cost, abundance, availability and renewability, cellulose has various large- and small-scale applications, e.g., building and construction materials, paper, paperboard and packaging, cotton and textiles, food ingredients and feed, heat and luminous sources and so on. However, there are still great challenges that facilitate this natural polymer to be further used, especially the development of a new and green platform for cellulose shaping through chemical and/or physical modification. Among these, cellulose-based gels offer new opportunities and open new frontiers over a broad range of applications.

### Guest Editors

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### Deadline for manuscript submissions

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## Gels

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Esmail Jabbari

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