

## Special Issue

# Xerogels: Preparation, Properties and Applications

### Message from the Guest Editors

This Special Issue, entitled “Xerogels: Preparation, Properties and Applications”, is dedicated to recent developments in the synthesis and characterization of xerogels with interesting and enhanced properties for advanced applications.

Polymeric gel materials are traditionally prepared using the sol–gel process, which was discovered by Ebelmen in 1846 via experiments revealing the hydrolysis and condensation of silicon esters upon exposition to moisture. This method constitutes a flexible and versatile synthesis approach that employs mild conditions to obtain micro or nanosized materials whose properties are strongly dependent on the synthesis parameters.

Therefore, in order to provide an overview of recent breakthroughs in the field of xerogels, we encourage the submission of original research papers or reviews that address the relationship between the structure of xerogels, their properties and their optimization for specific applications.

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### Guest Editors

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### Deadline for manuscript submissions

10 September 2026



## Gels

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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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### Editors-in-Chief

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