

Special Issue

Gel Formation Processes and Materials for Functional Thin Films (2nd Edition)

Message from the Guest Editors

We are grateful to all authors, reviewers, and readers for their response to the first volume of our Special Issue, “Gel Formation Processes and Materials for Functional Thin Films”, which you can access for free via https://www.mdpi.com/journal/gels/special_issues/G9KB1IU0A. This second edition is dedicated to the gels applied for obtaining thin films, which have a variety of applications.

Gels are multi-component soft materials with long mechanical relaxation times that can be deformed with modest stresses. One of the main characteristics of gels is their ability to hold their shape. Gelation is the transition of a liquid to a disordered solid via the formation of a network of chemical or physical bonds between the molecules or particles composing the liquid.

Thin-film coatings have been explored extensively, since films are well-suited for studying the physical properties of materials and have many scientific, technological, and commercial applications. Although it is impossible to cover all aspects of gel formation processes, we anticipate that this Special Issue will stimulate new research and discoveries in this field.

Guest Editors

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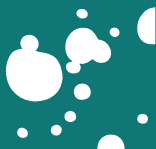


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About the Journal

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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