

## Special Issue

# Advances in Gel Films (2nd Edition)

### Message from the Guest Editors

We are delighted to present the Special Issue "Advances in Gel Films", which explores the intricate world of gel film science—spanning organic, hybrid, and inorganic (simple and composite) films with extensive functionality across material science, biomaterials, and catalysis, including bio- and photocatalysis. Widely explored by the scientific community, sol–gel reactions from alkoxide solutions can produce a diverse array of inorganic networks. The resulting materials have found applications in optics, electronics, sensing, biomedicine, and material science. Notably, the sol–gel process enables the incorporation of additional elements or substances into precursor solutions, allowing the creation of gel films with customized functionalities. This Special Issue highlights recent advances in the theoretical foundations, synthesis methodologies, and characterization techniques that underpin the functionality of gel films, with special emphasis on the transformative role of the sol–gel deposition process. We invite you to engage with cutting-edge research presented here and to discover the innovative strides being made in this dynamic field.

### Guest Editors

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### Deadline for manuscript submissions

20 July 2026



## 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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