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Advances in Gel Films

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Deadline for manuscript submissions:

31 May 2024

Message from the Guest Editors

We are thrilled to present this Special Issue on "Advances in Gel Films", delving into the intricate world of gel film science, with a particular focus on the versatile sol-gel deposition process.

Extensively explored by the scientific community, sol-gel reactions from alkoxide solutions can produce a diverse range of inorganic networks. The resulting materials find applications across various fields, including optics, electronics, sensing, biomedicine, and material science. Notably, the sol-gel process allows for the incorporation of other elements or substances into the precursor solution, enabling the fabrication of gel films with different properties.

In this issue, we explore the theoretical foundations, synthesis methodologies, and characterization techniques associated with gel films, with a special emphasis on the significant contributions of the sol-gel deposition process. We invite you to delve into the nuanced world of gel film science and discover the innovative strides being made in this dynamic field.

We extend our sincere appreciation for your invaluable contributions and unwavering dedication to advancing our understanding of gel film science.



mdpi.com/si/192219

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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