Special Issue

Polymer-Based Dielectric Gels

Message from the Guest Editors

Polymer-based dielectric gels represent a burgeoning area of research due to their unique combination of flexibility, dielectric properties, and adaptability in various technological applications. These materials are characterized by their polymer matrix, which is embedded with dielectric constituents, leading to exceptional properties such as high permittivity, low dielectric loss, and excellent mechanical flexibility. The increasing demand for advanced materials in electronic devices, sensors, and energy storage systems underscores the significance of exploring and understanding these innovative gels. Potential authors are encouraged to contribute original research articles, comprehensive reviews, and insightful perspectives that will collectively advance the understanding and application of polymer-based dielectric gels. Through this Special Issue, we aim to highlight the transformative potential of these materials and inspire innovative solutions to contemporary technological challenges.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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JCR - Q1 (Polymer Science) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.5 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

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