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## Recent Developments and Emerging Trends in Polyelectrolyte Gels

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Deadline for manuscript submissions:

**closed (30 December 2024)**

### Message from the Guest Editors

Dear Colleagues,

Polyelectrolyte (PE) gels, recognized for their ionizable functional groups, consist of charged monomers and counterions. They are stabilized through various interactions, including electrostatic, van der Waals forces, ionic, hydrogen bonding, and chemical crosslinking. Over the past few decades, these PE gels have been intensely studied, both experimentally and theoretically, to understand the complex relationship between their electrostatics and polymer nature.

This Special Issue, entitled “Recent Developments and Emerging Trends in Polyelectrolyte Gels”, is dedicated to highlighting the latest advancements in the fabrication, characterization, and analysis of PE gels through innovative approaches. It also showcases their advanced applications. We invite submissions of new findings on the development of PE gels and warmly welcome both theoretical and experimental studies.



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**Special** Issue



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## 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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