

Special Issue

Shaping the Future with Thermo-responsive Gels: Smart Materials for Emerging Technologies

Message from the Guest Editors

Thermo-responsive gels are a dynamic class of materials that undergo reversible physical or chemical changes in response to temperature fluctuations. These smart gels have garnered significant interest due to their diverse applications, including drug delivery, tissue engineering, smart coatings, and soft robotics. This Special Issue of *Gels* aims to explore recent advances in the design, synthesis, and application of thermo-responsive gels. Topics of interest include novel polymer architectures, mechanisms of thermo-responsiveness, biocompatible and biodegradable systems, and the integration of these materials into innovative technological solutions. This Special Issue aims to bring together leading research on thermo-responsive gel systems, highlighting their potential to address critical challenges in science, engineering, and medicine.

Guest Editors

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About the Journal

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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