Special Issue

Current and Future Trends in Supramolecular Gels

Message from the Guest Editor

Supramolecular gels are fascinating soft materials that display viscoelastic properties. Serious and deliberate efforts to synthesize such soft materials started in the late 1980s. Since then, an upsurge in research activities toward discovering new supramolecular gelators has occurred, not only because the fundamental issues pertaining to gelation mechanism remain mostly unanswered but also because of the various potential applications—e.g., sensing, catalysis, self-healing, proton conduction, tissue engineering, 3D cell culture, self-drug-delivery, biomineralization—that they offer. This Special Issue aims to highlight the current status of the field with an intention to focus on its future. We welcome contributions that cover advanced research on any aspects of supramolecular gels, including coordination-compound-based metallogels. Additionally, contributions toward new insights into the gelation mechanism, both experimental and theoretical, are also welcome.

Guest Editor

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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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