



gels



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Protein-Based Gels: Synthesis, Properties, and Applications

Guest Editor:

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Deadline for manuscript
submissions:

28 February 2025

Message from the Guest Editor

Dear Colleagues,

This Special Issue delves into protein-based gels: synthesis, properties, and applications. The unique properties of protein-based gels emphasize their biocompatibility, making them suitable for various biomedical applications. Furthermore, the biodegradability of the gels showcases its potential for environmentally friendly applications.

Protein-based gels find wide applications in different industries. These applications include drug delivery systems, where the gel matrix can effectively encapsulate and release therapeutic drugs, as well as tissue engineering, where protein-based gels can provide scaffolds for cell growth and regeneration. In the food industry, protein-based gels are used for food structure and stabilization.

Overall, the significant contributions of protein-based gels to materials science and bioengineering underscore their potential in healthcare, environmental sustainability, and food technology, highlighting their diversity and prospects as multifunctional biomaterials. Scholars are cordially invited to contribute comments and original research.



mdpi.com/si/209126

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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