



**gels**



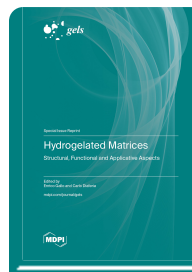
*Special Issue Reprint*

## Hydrogelated Matrices

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The rapid progress in gel materials research has opened new opportunities in a wide range of fields. With ongoing advancements in gel synthesis, functionalization, and application-specific innovations, gels are poised to make a significant impact across industries, from healthcare to environmental sustainability, pharmaceutical sciences, and material technologies. The aim of this reprint is to immerse the reader in the latest advancements in gel materials, exploring some of their possible applications. From the development of self-healing and stimuli-responsive gels to innovations in biomedical engineering, peptide-gels and smart materials, we aim to unravel the immense potential and promise of these cutting-edge technologies.



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