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Advances in Smart and Tough Hydrogels

Guest Editors:

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Deadline for manuscript submissions:
closed (5 August 2023)

Message from the Guest Editors

Dear Colleagues,

We are delighted to announce the launch of the newest Special Issue of Gels, "Advance in Smart and Tough Hydrogels", which is dedicated to recent developments from theoretical and fundamental aspects to the synthesis, characterization, and applications of smart and tough gels.

Since the discovery of polymeric gels, scientists have conducted in-depth explorations of chemical structures, network distributions, and functional and component regulations for hydrogels in order to adapt to the application of hydrogels in different fields. As the hottest topics in the field of hydrogels, both stimuli-responsive (smart) hydrogels and tough hydrogels have attracted widespread attention.

Since this topic is of interest to a wide audience of researchers in different fields, including (but not limited to) physical science, chemistry, materials science, mechanical engineering, biomedical and tissue engineering, etc., we believe that the launch of this topic will stimulate new research and discoveries in the field of smart and tough hydrogels. We look forward to receiving your contributions.

For more information, please visit: mdpi.com/si/110953.

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Editor-in-Chief

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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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