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# Recent Advances in Double Network Gels

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Deadline for manuscript submissions:
**closed (31 October 2023)**

## Message from the Guest Editors

Dear Colleagues,

Hydrogels contain large amounts of water, making them useful in biomaterial applications. However, their inherent softness prevents their direct use in load-bearing applications. By incorporating toughening mechanisms through the double-network concept, the mechanical properties of hydrogels have been greatly improved.

We organize this Special Issue on “Recent Advances in Double-Network Gels” with the aim of summarizing the recent achievements in the toughening mechanism design, theoretical model research, functionalization and potential applications of double-network gels. We look forward to the submission of new results and reviews associated with double-network gels from experimental and theoretical perspectives.

Dr. Hai Lei
Dr. Yi Cao
Guest Editors

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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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