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Advances in Multifunctional Tough Hydrogels

Guest Editors:

Dr. Farshad Oveissi
School of Chemical and Biomolecular Engineering, The University of Sydney, Sydney 2006, Australia

Dr. Sina Naficy
School of Chemical and Biomolecular Engineering, The University of Sydney, Sydney 2006, Australia

Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

The Special Issue of "Advances in Multifunctional Tough Hydrogels for Medical Devices" emphasizes new synthetic hydrogels and their associated advanced fabrication techniques for engineering medical devices. The key topics of this Special Issue will include but are not limited to enhancement of biochemical, mechanical, electrical, architectural, biophysical, and other properties of tough hydrogels required for medical devices; advanced manufacturing and fabrication of multifunctional tough hydrogels; theoretical fundamentals of tough hydrogels for artificial muscles and implantable devices; functional tough hydrogels in wearable medical gadgets; and tough hydrogels for biosensors and bioelectronics.

We look forward to receiving your contributions to this Special Issue.

Dr. Farshad Oveissi
Dr. Sina Naficy
Guest Editors

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Editor-in-Chief

Prof. Dr. Esmaiel Jabbari
Biomimetic Materials and Tissue Engineering Laboratory, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208, USA

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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Contact Us

Gels Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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