Special Issue

Electroactive Hydrogels: Application in Soft Actuators and Flexible Devices

Message from the Guest Editors

Dynamic, electroactive hydrogels are stimuli-responsive materials at the forefront of innovation, driving advancements in wearable technologies, soft actuators, and flexible systems, including smart bioelectronic devices. Their unique ability to mimic biological tissues, respond to external stimuli, and combine remarkable biocompatibility with mechanical flexibility holds exceptional promise for applications ranging from biosensors and drug delivery systems to injectable bioelectronics and soft robotics. This Special Issue seeks to foster interdisciplinary dialogue and inspire transformative technologies at the intersection of materials science, biomedical engineering, and soft electronics. As , we invite researchers from diverse disciplines to contribute original research, reviews, or perspectives on topics related to dynamic, electroactive hydrogels and their applications.

Guest Editors

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About the Journal

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.

Editor-in-Chief

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