

## Special Issue

# Functional Hydrogels for Soft Electronics and Robotic Applications

### Message from the Guest Editor

The emergence of various soft functional materials has shown significant promise in advancing the fields of electronics and robotics toward various human-friendly applications. In sharp contrast to conventional electronic and robotic devices, which are often limited by the rigidity and brittleness of composing hard materials, soft electronics and soft robotics provide distinctive advantages. Among these soft materials, functional hydrogels have attracted considerable attention as a promising class of electronic and robotic materials owing to their unique properties such as tunable mechanical compliance, high water content, incorporation of third components, stimuli-responsiveness, and biocompatibility. This Special Issue, entitled “Functional Hydrogels for Soft Electronics and Robotic Applications”, aims to highlight recent advances in the synthesis, processing, and application of functional hydrogels in electronic and robotic systems. By bringing together cutting-edge research in this field, we aim to provide insights into the latest developments and future directions for this rapidly advancing area of study.

### Guest Editor

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### Deadline for manuscript submissions

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## Gels

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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.

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### Editor-in-Chief

Prof. Dr. Esmail Jabbari

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