

Special Issue

Application of Hydrogels in Medicine

Message from the Guest Editors

According to the widely accepted simplest definition, biomaterials are materials designed for the production of products that come into contact with living tissues or body fluids. These materials, as well as products made from them, must possess consistent, carefully selected, and well-characterized properties tailored for specific applications.

One significant category of polymer biomaterials is hydrogels, consisting of a polymer network filled with water. They are used in medicine, for example, as systems for controlled drug release, wound dressings, and surfaces and matrices for tissue cultures (tissue engineering).

Although many types of hydrogels have been developed for use in medicine, new compositions are still being developed whose applications have not yet been explored. We look forward to receiving your papers. Submission of both theoretical and experimental research is welcome.

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

Prof. Dr. Esmail Jabbari

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