Special Issue

Functional Gels Applied in Cancer Therapy

Message from the Guest Editor

Hydrogels have been widely used as emerging drug carriers for tumor drug delivery. Compared with systemic chemotherapy, hydrogel drug carriers have fewer side effects and allow for sustained drug release at the tumor site. In addition, hydrogels have superior biocompatibility and biodegradability with lower toxicity. Smart hydrogels can respond to environmental stimuli (e.g., heat, pH, light, and ultrasound) to achieve in situ gelation or drug release, which can have a significant effect on improving the ease and efficiency of drug delivery. This Special Issue on "Functional Gels Applied in Cancer Therapy" is a thorough collection of articles dealing with the theoretical and fundamental studies of the design strategies of functional hydrogels and applications in antitumor treatments. The publication of original research articles, rapid communications, or reviews in this Special Issue will make an important contribution to developing gel-based smart drug delivery systems for cancer therapy.

Guest Editor

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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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