

## Special Issue

# Designing Gels for Antibacterial Agents

### Message from the Guest Editors

Bacterial infection is a worldwide health issue which is of growing concern. The emergence of drug resistance among different bacteria also poses a great challenge for bacterial infection management. Therefore, determining how to effectively deliver antibacterial agents is of importance. Hydrogel represents a kind of polymer-based material which can hold large amounts of water in its three-dimensional networks. In recent years, the development of multifunctional hydrogel for the delivery of different drugs, especially antibacterial agents, has become an important part of this research trend, with fruitful and exciting results. However, there are still many challenges to solve in this way. Therefore, this Special Issue aims introduce recent advances in the design of gels for antibacterial agents, which features recent advances in the design of gels for the delivery of antibacterial agents to provide a better performance. Research works related to the joint application of hydrogels with other materials, the application of novel multifunctional hydrogels with advanced delivery effects, or new design principles in hydrogel preparation are especially welcome.

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### Guest Editors

Prof. Dr. Jianhao Wang

Prof. Dr. Yongqiang Li

Dr. Cheng Wang

Dr. Kun Lei

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### Deadline for manuscript submissions

closed (31 October 2023)



## 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

Biomimetic Materials and Tissue Engineering Laboratory, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208, USA

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