

## Special Issue

# Design and Optimization of Pharmaceutical Gels

### Message from the Guest Editors

Gels are three-dimensional, semi-solid systems consisting of polymeric matrices. The physicochemical properties of gels, such as physical strength, viscosity, and self-healing ability, can be changed to meet the specific requirements of applications in various fields, such as drug and cell delivery, bioscaffolds, and the modelling of extracellular matrices. In particular, novel gel-based delivery systems (such as intelligent hydrogels, in situ gels, emulsion gels, nanogels, vesicular gels and microgels) that have emerged in recent years can release drugs by specific biological or external stimuli, such as temperature, pH, enzymes, ultrasound, antigens, etc., to achieve precise and local drug delivery. The aims of this Special Issue are to shed light on gels of material development, system construction, structural characterization, and the effect for disease treatment, and research on gels with high translational potential is particularly sought after. Original research, reviews, mini-reviews, and perspective papers which reflect the status quo of this topic are warmly welcomed.

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### Guest Editors

Dr. Ying Huang  
Dr. Zhengwei Huang  
Dr. Xuanjuan Zhang

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### Deadline for manuscript submissions

closed (30 November 2023)



## Gels

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## About the Journal

### Message from the Editorial Board

*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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### Editors-in-Chief

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