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## Recent Advances on Nanogel Engineering for Drug Delivery

Guest Editors:

**Dr. Francisco Fernández-Campos**

Laboratory Reig Jofre, Avda. Del Flors s/n, 08970 Sant Joan Despi, Barcelona, Spain

**Dr. Mireia Mallandrich Miret**

Department of Pharmacy, Pharmaceutical Technology and Physical Chemistry, Faculty of Pharmacy and Food Sciences, University of Barcelona, 08028 Barcelona, Spain

Deadline for manuscript submissions:

**closed (30 November 2022)**

### Message from the Guest Editors

Dear Colleagues,

Nanogels are promising drug delivery systems for different administration routes (oral, parenteral, or topical), due to their biocompatibility, biodegradability, and nanometric range, which allow them to modify the biological properties and the pharmacokinetic profile. Advances in polymer sciences and polymer structural modifications give interesting nanogel properties, for example, responsiveness to different stimuli (pH, temperature, ionic strength, endogenous compounds, etc.), improved adhesion to biological surfaces, or improved antimicrobial properties, among others. In addition, advances in nanogel manufacturing processes can improve the efficiency of the drug delivery system and offer a more realistic approach for real patient administration. We propose this Special Issue to offer up-to-date information regarding the potential use of nanogels to treat different diseases and novel approaches, including new manufacturing and composition properties focusing on biomedical applications. Research and review manuscripts are welcome.

Dr. Francisco Fernández-Campos

Dr. Mireia Mallandrich

*Guest Editors*



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**Special** Issue



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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

## 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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*Gels* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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