

## Special Issue

# Hydrogels, Oleogels and Bigels Used for Drug Delivery

### Message from the Guest Editors

Semisolid preparations have always been preferred by patients due to their decreased risk of side effects and ease of administration. The selected semisolid formulations in this Special Issue are hydrogels, oleogels, and a combination of these two called bigels (a semisolid form that can provide the same or better properties than the latter two; they are also named *viscous emulsions*). All three of them can incorporate many active pharmaceutical ingredients (APIs) from different biopharmaceutical classes (BCS I-IV), resulting in homogenous (dissolved in the gel base) or heterogenous dispersions (dispersed as an emulsion or suspended in the gel base) that imply distinctive behaviors regarding permeation through different membranes (natural or synthetic). The size of the dispersed API and the application area can influence permeation through the biological membranes. This Special Issue aims to outline the current research on semisolid pharmaceutical formulations, focusing on hydrogels, oleogels, and bigels, and welcomes original and review papers on all the aspects of their design, development, manufacturing, characterization, administration, and use for patient-centered therapy.

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### Guest Editors

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Prof. Dr. Adriana Ciurba

Dr. Paula Antonoaea

Prof. Dr. Aline F. Miller

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### Deadline for manuscript submissions

closed (20 August 2025)



## 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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