



## Hydrogels in Pharmaceutical and Biomedical Applications

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### Message from the Guest Editor

The applications of hydrogels are growing, as is the interest they arouse. Their exceptional physicochemical characteristics allow them to be applied in pharmaceutical and biomedical settings, particularly in the administration of drugs (in micro- or nanospheres, or micro- or nanocapsules, using oral or transdermal dosage forms, treatment of cutaneous burns, contact lenses, etc.).

This Special Issue dedicated to hydrogels aims to take stock of the latest innovations in the field of hydrogels as well by their chemical aspects (polymerization, crosslinking, supramolecular state), physical (types of interactions, thermodynamics, particular viscosity, mechanics, amorphous structures or crystalline), by their biological applications such as their reactivity to environmental stimuli (pH, ionic strength, temperature, electromagnetic radiation) or their interest in the development of new drug delivery devices or medical devices.





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