



## Hydrogel Materials for Drug Delivery and Tissue Engineering

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### Message from the Guest Editors

Dear Colleagues,

Research into hydrogels and the possibility of using them for pharmaceutical and biomedical applications is one of science's most intensively developing areas. Modern hydrogel materials are structured to resemble the natural environment of cells and tissues and they are thus used in the design of effective drug carriers, surgical fillers, and cell culture media. This Special Issue will be devoted to the analysis of the physicochemical, biopharmaceutical, and mechanical properties of hydrogels with potential applications in drug delivery, tissue engineering, and regenerative medicine. Current research directions in the areas of pharmaceutical technology, polymer materials engineering, and biomedical engineering will be discussed. Our aim is to collect original papers, review papers on the development of hydrogels and hydrogel systems that can carry an active substance or can replace damaged tissues or organs. Basic, pre-clinical, and clinical research on the development of new or the development of existing hydrogel-based drugs and therapies is welcome.

Dr. Aneta Ostróżka-Cieślik  
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## Editor-in-Chief

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