

## Special Issue

# Design, Development, and Application of Hydrogels for Cancer Treatment

### Message from the Guest Editors

The role of hydrogels in cancer therapy is emerging in recent years, and huge efforts have been devoted to developing and producing even more innovative hydrogel formulations, mimicking as closely as possible the pathophysiological conditions occurring in native cancer before or after treatment with chemotherapeutics. Moreover, hydrogels are often used as drug delivery systems but are still characterized by low biocompatibility, poor therapeutic potential, and high immunogenicity. This Special Issue aims to collect contributions reporting on innovative approaches to design, produce, and characterize hydrogels as new potential therapeutics for cancer treatment. The issue will also be open to studies exploiting hydrogels as innovative models to deepen our understanding of cancer-related pathological and molecular mechanisms. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: biomaterials engineering, drug discovery, cancer treatment, polymer science, nanomaterials, and materials chemistry.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2022)



## Pharmaceutics

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