

Special Issue

Polymeric Materials for Cancer Therapeutics

Message from the Guest Editor

Polymeric materials have emerged as a pivotal component in advancing cancer therapy, offering innovative solutions to overcome the limitations of traditional treatment modalities. These materials, ranging from biodegradable polymers to stimuli-responsive hydrogels, have been engineered to enhance the precision and efficacy of cancer treatment. By enabling targeted drug delivery, polymeric systems reduce systemic toxicity and improve the therapeutic index of anticancer agents. Advances in nanotechnology have further expanded the role of polymeric materials in cancer therapy, enabling the development of multifunctional nanocarriers that combine diagnostics, therapy, and imaging into a single platform. This Special Issue explores the latest developments in polymeric materials for cancer therapy, including novel polymer designs, mechanisms of action, and their application in overcoming drug resistance. The contributions will provide insights into the future directions of polymer-based cancer therapies, highlighting their potential to revolutionize oncology and improve patient outcomes.

Guest Editor

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