

Joint Special Issue

Nanoengineered Solutions: Advancements in Targeted Drug Delivery and Theranostics

Message from the Guest Editor

Targeted drug delivery holds the key to revolutionizing therapeutic interventions. The ability to precisely direct therapeutic agents to specific sites within the body not only maximizes efficacy but also minimizes side effects. The fusion of nanotechnology and pharmaceuticals has unlocked unprecedented possibilities in enhancing the precision, physicochemical stability and efficiency, bioavailability, and safety of targeted nano-delivery systems. The broad focus of this Special Issue explores various routes of administration, including both conventional (parenteral, topical, and oral) and less common (e.g., mucosal and ocular delivery, combination/coated medical devices, implants, and wearables) routes of administration, which can also be used for drug delivery and theranostic applications. Here, we invite scholars to contribute their valuable insights and novel research, both in the form of original research or review article submissions, on the various aspects of nanoengineered solutions in targeted drug delivery development to help explain their unique properties and demonstrate their specific clinical advantages and prospects in pharmaceutical product development.

Guest Editor

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