

Special Issue

Functional Polymeric Materials for Drug Delivery and Sustained Drug Release

Message from the Guest Editor

Polymers are potentially ideal building blocks for nanotechnology because of their well-defined structures, ease of functionalization, and their length scale which lies in the nano-range. Over the years, the use of polymers has continued to be exploited in biomedicine. Apart from their conventional use as adhesives and tissue void fillers, polymers have recently been employed in cell encapsulation, the fabrication of medical devices, drug delivery, tissue engineering and a diversity of other biomedical applications. In parallel with progression in nanomedicine, events in the polymer sciences are anticipated to be further evolved with the emergence of new materials and structures. Regarding the practical potential of polymers, the objective of this Special Issue is to provide an updated account of recent advances in the synthesis, characterization, engineering and use of polymers for drug delivery and sustained drug release. It is expected that this Special Issue will be a valuable resource for all academic, industrial and clinical researchers who wish to be kept informed about recent patent breakthroughs in polymer-based carriers in therapeutics and diagnosis.

Guest Editor

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