Special Issue on
Drug Delivery and Their Controlled Release Using Nanomaterials

CALL FOR PAPERS

Targeted drug therapy has had intensive investigation over the last 30 years and has become a promising approach to various disease treatments. However, lack of optimal gene delivery systems has limited much of its therapeutic potential and its clinical realization.

The use of nanosized delivery systems, most of which are in the form of nanoparticles, may have great significance in the development of practical clinical solutions as their application modifies the pharmacological profile of drugs they encapsulate, and as well their related therapeutic properties, by providing predictable control of the kinetics of the release of the drug, among other things. Designing a proficient and targeted nanoenabled drug delivery system with an incorporating drug, siRNA or any other potential therapeutic agent, as the active agent, has the potential to advance targeted drug therapy.

The purpose of this special issue is to publish high-quality research papers as well as provide review articles addressing recent advances in the development of nanomaterials for the purpose of drug delivery and their controlled release. Original, high-quality contributions that are not yet published or that are not currently under review by other journals or peer-reviewed conferences are sought for this special issue.

Potential topics include but are not limited to the following:

- ▶ Targeted drug and/or gene delivery (using nanomaterials)
- ▶ Controlled therapeutic release (from nanoengineered materials)
- ▶ Responsive nanomaterials as delivery system
- ▶ Ocular drug delivery
- ▶ Drug codelivery
- ▶ Multifunctional nanoparticles for nanomedicine

Authors can submit their manuscripts through the Manuscript Tracking System at http://mts.hindawi.com/submit/journals/jnm/ddcr/.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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