

Tentative Outline
“Special Issue for Pharmaceutical Nanotechnology”

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TITLE OF THE HOT TOPIC ISSUE

"Recent advances in nanomedicine and nanotechnology based Pharmaceuticals"

Aims & Scope:

Nanotechnology is the science and technology mainly comprises of processing, separation, amalgamation, and deformation of materials by one atom or by one molecule or related to the learning and regulation of matter at the length scale of approximately 1 to 100 nanometers. Applications of nanotechnology for treatment, monitoring, diagnosis, and control of biological systems has recently been referred to as “nanomedicine” by the National Institutes of Health. Research into the rational delivery and targeting of pharmaceutical, therapeutic, and diagnostic agents is at the forefront of projects in nanomedicine. Researchers are progressively optimistic about the sustainability of medicinal opportunities on the nanoscale based on recent advances in nanomedicine.

This issue aims to publish the state-of-the-art advances in areas like nanoparticles, nanosensors, molecular nanotechnology, nanodrugs, drug delivery, targeted drug delivery, nanomaterials, nanobiotechnology, nanobiopharmaceutics, pharmacokinetics of nanomedicines, imaging, diagnostics, nanotherapeutics, nanotheranostics, innovative biomaterials etc. The content of this issue will be a pronounced source of references and motivations to the researchers involved in the field of nanotechnology/nanomedicines across the globe and open up new panoramas for further investigation and advanced research in this area.

Keywords: Nanotechnology, nanomedicines, nanoparticles, drug delivery, targeted drug delivery, nanobiotechnology, nanobiopharmaceutics, nanotherapeutics,

Subtopics include but are not limited to:

1. Development and characterization of nanotechnology based pharmaceutical product
2. Nanomedicine in cancer therapy

3. Engineered nanomedicine against visceral leishmaniasis, a neglected tropical disease
4. Nanobiotechnology based pharmaceuticals
5. Nanocarriers based vaccines
6. Nanomedicine based on natural products: recent advances

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Revision Due: 30th October

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