

Tentative Outline

Special Thematic Issue for Current Drug Delivery

Recent Advances in Liposomal Drug Delivery System for Cancer Targeting

Guest Editor: Dr. Faiyaz Shakeel

Scope of the Thematic Issue:

Since the discovery of liposomes, tremendous advances have been made in the area of novel drug delivery systems of active biomolecules. In recent years, the use of liposomes as potential drug delivery carriers has got great attention for cancer targeting. These nanosized vesicles offer several advantages such as biocompatibility, biodegradability, low toxicity, drug delivery efficiency, nonimmunogenicity, enhancement in solubility, bioavailability and therapeutic efficacy and their capability to encapsulate wide variety of therapeutic agents. Liposomes have great potential for payloads and for delivery to targeted sites, which could be helpful in targeting various chemotherapeutic agents to target organs for effective cancer targeting. These nano vesicles can also promote sustained and controlled drug delivery system of chemotherapeutic agents by improving their pharmacokinetic and pharmacodynamics profiles. Recently, various researches witnessed in advancement in liposomal based drug delivery system for potential cancer targeting. In this Full-Thematic Issue of the Current Drug Delivery, the application of liposomal based drug delivery approaches for cancer targeting will be described from different points of view by various researchers belong to different region of world.

Keywords: Drug delivery, liposomes, pharmacodynamics, pharmacokinetic, chemotherapeutic agents, cancer targeting.

Subtopics:

The subtopics to be covered within this issue are listed below:

- Recent development of liposomal active drug targeting against glioma: A state of the art
- Potential liposomal drug delivery systems for organ-specific cancer targeting: Early Promises, Subsequent Problems, and Recent Breakthroughs
- Lipoproteins as a promising approach for targeting Liver cancer: Present status and application prospects
- Exploration of nanoethosomal transgel of naproxen sodium for the treatment of Arthritis
- Cholesterol-conjugate as a new strategy to improve cytotoxic effect of 5-fluorouracil on liver cancer: impact of liposomal composition

Schedule:

✧ Manuscript submission deadline: 31st December 2019

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