

Journal: Anti-Cancer Agents in Medicinal Chemistry

Title of thematic issue: “**Particulate drug carriers for targetable and stimuli-triggered delivery of anti-cancer agents**”

Guest Editor: Prof. Jin-Chul Kim

Aims & Scope:

Particulate drug carriers play an important role in enhancing the therapeutic efficacy of anti-cancer agents without causing a severe toxicity. They can be localized in cancer tissues via an enhanced permeation and retention effect and can be engineered to target cancer cells by decorating them with ligands. Besides targeting cancer cells, the timely and active release of their payload is critical to achieve a high anti-cancer efficacy. Drug carriers that are capable of releasing their payload in response to stimuli such as pH value change, temperature change, light irradiation, redox potential change, magnetic and electric field application, etc. can be used for the active release of anti-cancer agents at the target sites. This special issue proposal is focusing on the development of particulate drug carrier for targetable and stimuli-triggered delivery of anti-cancer agents.

Keywords: Particulate drug carrier, Targetable delivery, and Stimuli-triggered delivery,

Subtopics:

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

Novel fabrication methodology of targetable and stimuli-responsive drug carriers for cancer therapy
Study on targeting and stimuli-triggered release properties of drug carriers
Development of targetable and stimuli-responsive carriers for diagnostic and therapeutic purpose.
Development of multiple stimuli-responsive drug carriers for enhanced anti-cancer efficacy
Development of organic/inorganic composite drug carriers for enhanced anti-cancer therapy
Study on the toxicity of targetable and stimuli-responsive drug carriers

Schedule:

Manuscript submission deadline: 06/31/2020

Peer Review Due: 07/31/2020

Revision Due: 08/31/2020

Announcement of acceptance by the Guest Editors: 09/15/2020

Final manuscripts due: 09/30/2020

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Interests: Colloid & Interface Science; Drug Delivery System; Polymer Science

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