Tentative Outline

Special Issue for Current Medicinal Chemistry

Guest Editor: Dean Marković

Recent Advances in Modern Anticancer Research

Aims & Scope:

Cancer is defined as a group of diseases which comprise unusual cell growth having a potential to metastasize to other body parts. Cancer is one of the most common disease of the modern humans. For example, only in 2012 approximately 14,000,000 of new cases were confirmed worldwide excluding skin cancer different to melanoma. In the same year, cancer provoked approximately 8,200,000 deaths or 14.6% in total. Our aim is to provide an overview of recent achievements connected to medicine, advances in the development of new drugs and treatments. The overview of the utilization of natural products, nucleobases, saccharides, glycans, peptides and other chemical derivatives as anticancer agents will be also provided.

Keywords: Anticancer, metastases, drugs, personalized medicine, cancer, chemotherapy, natural products, nucleobases, saccharides, glycans, peptides.

Sub topics:

Rational Development of Metastases Targeting Drugs

Integrated Solution for ImmunoOncology Drug Development – A Crucial Strategy to Eradicate Malignancies

Technological Advances in Preclinical Drug Evaluation: the Role of –Omics Methods

Pyrimidine Scaffold Keeping the Pace in Small Molecule Anticancer Research

N-Sulfonyl and Sulfonamido Nucleobase Derivatives as Promising Anticancer Agents

Pyridine Derivatives as Potential Anticancer Agent

Carbohydrates and Derivatives with High Anticancer Activity

Porphyrin-Based Conjugates as Photoactive Anticancer Agents

The Use of Saccharides and Glycans in Modern Cancer Therapy

Therapeutic Perspective for Vitamin C and Its Derivatives

Delivery Systems for Lupane Triterpenoids in Anticancer Research

Recent Advances in Peptide-Based Approaches for Cancer Treatment

Natural Product Derived Anticancer Agents: Production and Applications

Marine Natural Products with High Anticancer Activities

Schedule:

July, 2018