Tentative Outline

Special Issue for Current Medicinal Chemistry

Guest Editor: Hongmin Chen

Carbon-based nanostructure for biomedical application

Aims & Scope:
Carbon-based materials, including carbon nanotubes, fullerenes, nanodiamonds, carbon dots, are an important class of nanostructures attracting tremendous interests in the area of biomedical application in the past two decades. This special issue aims to highlight recent progresses in the exploration of various nano-carbons for biomedical application. It is our hope that this timely issue will benefit students and researchers who are interested in this topic.

Keywords: Carbon materials, carbon nanotubes, graphene, fullerenes, nanodiamonds, carbon dots, biosensor, drug delivery, imaging and therapy, nanotheranostics, toxicology.

Sub topics:
• Carbon-based biosensor
• Nanocarbons-assisted drug delivery
• Carbon nanomaterials for biological imaging
• Carbon nanomaterials for nanomedicinal therapy
• Carbon-based nanotheranostics
• Biological effects and toxicology of carbon nanomaterials
• Simulation on nanocarbons for bioapplication

Schedule:
August 2018