# **Special Issue**

# Polymer-Based Nanoparticles for Drug Delivery Applications

# Message from the Guest Editor

Polymer nanoparticles are versatile carriers for the delivery of drugs through different delivery routes. This versatility turns them into excellent tools for the development of innovative drug delivery systems. In fact, they can deliver different types of drugs such as conventional drugs, proteins, and nucleic acids in a sustained, controlled, or targeted manner, while simultaneously protecting the stability of the loaded drug. In particular, active and passive targeting can improve the therapeutic effect of drugs and decrease their systemic toxicity, which is very important in the treatment of severe diseases such as cancer, autoimmune and inflammatory diseases, and others. This Special Issue aims to provide an overview about the recent advances in the delivery of drugs using polymerbased nanoparticles, focusing on promising strategies for the improvement of therapies and of patients' quality of life. As the , I cordially invite all researchers to contribute original research articles or reviews on this important and exciting research field.

#### **Guest Editor**

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# Deadline for manuscript submissions

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# Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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