



Mesoporous Materials for Drug Delivery and Theranostics

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Message from the Guest Editors

Dear Colleagues,

Mesoporous materials are capturing great interest due to their exceptional pore size, surface area and ease surface functionalization. These aspects have fostered a deep investigation of mesoporous nanoparticles to design and fabricate biocompatible, smart, and even mechanizable nanotools for controlled, stimuli-responsive drug/gene delivery up to the most recent theranostics applications, in particular for cancer therapy.

This Special Issue is dedicated to the most recent advances in the use of mesoporous micro- and nanostructures for designing novel “smart” biomedical systems applied to drug delivery and theranostics. Participation with research papers, short communications, and reviews focused on these topics and describing the synthesis and characterization of mesoporous materials, also in a core-shell configuration with other nanomaterials and their functionalization with smart and stimuli-responsive gatekeepers, as well as reporter molecules or particles for diagnostic applications and their final in vitro and in vivo applications in the nanomedicine field, is highly encouraged.

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