# Special Issue

# Drug Delivery Systems Based on Mesoporous Silica

# Message from the Guest Editors

Controlled drug delivery systems are an ideal strategy for human healthcare in which the drug is released at a constant rate and its concentration in the organism remains steady. The research on drug delivery systems based on mesoporous silica has grown enormously over the last two decades. This Special Issue of *Materials* is focused on recent developments in and the application of different types of mesoporous silica for drug delivery. Suggested topics include the influence of surface modification on drug adsorption/release properties, targeted drug delivery systems, and "smart" systemsdrug release or transport of nanoparticles caused by the influence of internal or external stimuli, such as pH, a magnetic field, photo-switchable systems driven by IR, UV, or VIS radiation, redox potential, and enzymes. Studies of computational methods and drug adsorption/release kinetics analyzed using different models (zero/first-order/Higuchi/Korsmeyer-Peppas/Hixson-Crowell/the three-parameter model) are also desirable. We welcome any kind of manuscript dealing with drug delivery systems based on mesoporous silica.

### **Guest Editors**

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# Deadline for manuscript submissions

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# About the Journal

# 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.

#### Editor-in-Chief

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