

Special Issue

Advances in Smart Nanocarriers for Targeted Drug Delivery

Message from the Guest Editors

The most reported smart nanocarriers for drug-delivery include liposomes, dendrimers, micelles, meso-porous silica, gold nanoparticles, super paramagnetic iron-oxide, graphene, carbon nanotubes, quantum dots, etc. The smartness of a drug-delivering nanocarrier increases if the system is highly biocompatible and poorly toxic. Hence, accumulation of the nanocarrier in the vital organs followed by its degradation (if any) can lead to toxicity, which, ultimately, depends on the physico-chemical properties of the nanosystem (composition, shape, size, specific surface area, surface charge, etc.).

The development of smart nanocarriers to be applied in drug-delivery requires the collaboration of chemists, physicists, pharmacologists, and physicians who, in most cases, have different objectives. Therefore, we invite all those working in these fields to make a contribution (full papers, communications, and reviews) to this Special Issue entitled “Advances in Smart Nanocarriers for Targeted Drug Delivery”.

For more information, please click the following link:
https://www.mdpi.com/journal/materials/special_issues/smart_nanocarriers_drug_delivery

Guest Editors

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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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