Special Issue

Materials and Devices for Drug Delivery—Applications and Methods of Evaluation

Message from the Guest Editors

The improvement of the therapeutic effect of a given drug has been in the scientific focus for decades. However, the current development of manufacturing and analytical methods of pharmaceutical formulations has changed the view and approach to new solutions in drug delivery. In particular, targeted/local drug delivery and personalized therapy require dedicated materials and devices. Knowledge of mechanisms of drug delivery with controlled release kinetics is crucial for the rational design of drug delivery systems. A key issue is evaluation toward functional properties and working mechanisms in vitro or/and in vivo. Special attention should be paid to the physicochemical basis of action and drug delivery using various analytical methods, including imaging modalities and to links between mechanisms and functional properties of drug delivery systems. We are inviting research and review papers covering as broad as possible a spectrum of materials and devices dedicated to wide application in drug delivery from systemic delivery to targeted/local drug delivery and personalized therapy.

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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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