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Advanced Materials in Drug Release and Drug Delivery Systems

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Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editor

Investigations concerning advanced materials in designing drug delivery systems represent a rapidly growing research field in materials/polymer science, chemical engineering and pharmaceutical technology.

In recent years, searching for novel materials or modifying and combining existing materials has represented a trend in pharmaceutical technology. The chemical or physical modification of either naturally-derived or synthetic materials/polymers can improve their characteristics and favourably affect the quality of the designed formulations. Therefore, a great deal of emphasis is placed on the design and testing of new materials with application potential in pharmaceutical technology.

This Special Issue will be a collection of full papers, short communications and review papers focusing on recent progress in functional materials/polymers with promising potential in drug delivery. Discussion of manufacturing, physical and chemical modification, characterization, as well as the combination of different materials and their application in the biomedical field is also welcome.

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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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