Special Issue

Advances in Nanomaterials for Drug Delivery and Controlled Drug Release

Message from the Guest Editor

The central role that many differently engineered nanomaterials used as carriers play in the outcome of nanomedicines cannot be emphasized enough and is dependent on their ability to target different sites of interest and release incorporated active payloads at adequate rates. Advances in the development and characterization of nanomaterials for medical applications have indeed been tremendous and justify the launching of this Special Issue. As guest editor, I would like to encourage potential contributors to submit their finest research work in the format of full papers or communications, as well as critical reviews, in all aspects pertaining to nanomaterials intended for the delivery and/or controlled release of drugs (small molecules, biopharmaceuticals, contrast agents, etc.), and that could be useful for human or veterinary diagnostics, imaging, therapy, prophylaxis or regenerative medicine.

Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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