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Novel Strategies for Nanomaterials for Targeted Drug Delivery

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Message from the Guest Editors

Nanocarriers may be tailored to control drug release and/or increase selective cell targeting, cellular uptake, drug solubility, and circulation time in order to maximize the therapeutic effects of drugs and minimize their side effects.

The kind of nanomaterials used with the objective of allowing drug delivery include nanoparticles in a wide variety as nanospheres, micelles, solid lipid nanoparticles, nanoliposomes, dendrimers, magnetic nanoparticles, and nanocapsules.

Nanomaterials for the delivery of anticancer drugs are one of the most studied but there are also other applications, such as the treatment of neurodegenerative and cardiovascular diseases, inflammatory disorders among others.

This Special Issue will cover research in this area with different types of nanomaterials and for different therapeutic purposes.

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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