Special Issue

Lipid-Based Nanocarriers: Present Situation and Prospects for the Future

Message from the Guest Editor

Lipid-based nanocarriers (solid lipid nanoparticles, nanostructured lipid carriers, vesicular nanocarriers including liposomes, niosomes, transfersomes, and ethosomes) have recently gained enormous interest for their potential pharmaceutical applications. They may in fact provide controlled drug release and allow the targeting of drugs to specific areas. Furthermore, their lipid properties (e.g., high solubilizing potential, biocompatibility, biotolerability, biodegradability, and distinct route of absorption) may significantly improve the bioavailability of very poorly water-soluble drugs for a set of administration routes. The Special Issue of the journal Applied Sciences entitled “Lipid-based nanocarriers: present situation and prospects for the future” wishes to cover the recent advances in the development of lipid-based nanocarriers aimed at the delivery of drugs by different routes of administration, underscoring the extraordinary value of this drug-carrying system in improving the bioavailability and therapeutic efficacy of the encapsulated drugs.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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