

Special Issue

The Latest Development of Multifunctional Nanopharmaceutical Formulations and Its Application

Message from the Guest Editors

Due to their high surface area, high saturation solubility and adjustable surface, nanopharmaceuticals, including liposome, polymeric micelles, dendrimers, quantum dots, nanocrystals, etc., have attracted the attention of many researchers in the pharmaceutical fields.

Multifunctional agents modified on the surface of various nanoparticles have stimulated the development of pharmaceutical applications. The rational design and evaluation of multifunctional nanopharmaceuticals with improved drug efficiency, transportation of the drug across physiological barriers and reduced drug-related toxicity will accelerate the development of drugs from lab to clinical applications.

The aim of this Special Issue is to deliver an up-to-date overview on multifunctional nanopharmaceutical formulations fabricated with novel multifunctional agents and technologies, and to explore their applications in the treatment of various diseases via oral, dermal, transdermal and nasal delivery routines, establishing increased effectiveness and safety in drug therapy, among other applications.

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