



Recent Trends in Characterization and Application of Nanomaterials in Drug Delivery

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Message from the Guest Editors

Dear Colleagues,

In recent decades, nanomaterials have gained interest in the field of drug delivery due to their highly versatile and tunable properties. Nanotechnology is an emerging concept that can be exploited to deliver the drug to various diseases through different routes of administration. Nanomaterials such as polymeric nanocarriers, dendrimers, liposomes, micelles, etc. can be exploited to enhance the therapeutic profile by improving the solubility of the encapsulated drug and its permeability across biological membranes. Moreover, recent trends in the characterization of nanomaterials have attributed to improved biocompatibility, low immunogenicity, and good pharmacokinetics, along with a controlled/sustained drug release profile.

This Special Issue aims to highlight the recent advances in drug delivery and therapeutics using up-to-date characterization techniques and functional nanomaterials in targeted drug delivery approaches. In this regard, we would like to invite the scientific community to contribute their expertise to this Special Issue in the form of original research or review articles.

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Message from the Editor-in-Chief

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