Special Issue

Polymer Nanocarriers for Drug Delivery

Message from the Guest Editors

Carriers play a role that is as significant as that of drugs. Nanocarriers can achieve targeted delivery to cells as well as to subcellular organelles and play a pivotal role in disease diagnosis through bioimaging. The engagement of polymers to design nanocarriers has revolutionized this field. Along with targeted drug release, such nanocarriers can protect untargeted cells or tissues from the undesired side effects of certain therapeutics. Hence, polymers are increasingly being used to modify the surfaces of various nanomaterials to transform them into biocompatible as well as multi-functional nanocarriers.

This Special Issue aims to collect the latest advances in the field of nanocarrier design for drug delivery, which includes but is not limited to the contributions of polymers, the significance of surface modifications in nanomaterials, the protection of loaded drugs and untargeted cells/tissues, bioimaging, and the development multi-functional nanocarriers, with particular interest on their response to multiple stimuli and the simultaneous delivery of multiple drugs.

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