

Special Issue

Biodegradable Nanomaterials for Targeted Drug Delivery

Message from the Guest Editor

Nanostructures for targeted drug delivery have attracted increasing attention owing to their ability to improve drug efficacy, enhance the bioavailability of active ingredients, control their release, or provide a possibility to target cells. However, nanomedicine is still at an early stage. Different forms of nanostructures have been used for active targeting based on biorecognition by particular cells beyond purely size-dependent biological and chemical interactions. The development of pharmaceutically active compounds (PhACs) modulating immune response is a challenge for modern medicine. This volume will deal with many technical problems associated with the synthesis and composition of promising PhACs (including ethnomedical ones) and nano-assemblies containing them, molecular modeling of those systems and their interactions, their uptake into the target cell, efficient stimuli- triggered payload release, and their bioavailability, toxicity profiles, and immunomodulatory activity.

Guest Editor

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