



Biodegradable Polymers for Controlled Drug Release and Delivery

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Message from the Guest Editors

Dear Colleague,

Biodegradable polymers are frequently applied as the building block of drug carriers to encapsulate and store the therapeutic drugs from immune clearance and to deliver them to illness sites. They are also adapted to possess stimuli-responsive properties for triggering and controlling the release of laden drugs through biological, chemical, or physical reactions at a targeting region. In this Special Issue, we would like to invite short communications, reviews, and research articles to collect the most advanced results, including the synthesis, characterization, and properties of natural and synthetic biodegradable polymers, with particular attention paid to their controlled release behaviours as well as the drug delivery applications.

Keywords

Biodegradable polymers; Natural polymers;

Polysaccharides; Aliphatic polyesters

Stimuli-responsive polymers; Polymeric carriers

Controlled drug release; Drug delivery

Drug release mechanism and kinetics; Synthesis,
characterization, and applications

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