



Polymer used in Novel Drug Delivery System

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ABSTRACT: Polymers play a major role in the development of drug delivery technology by release of two types of drugs like hydrophilic and hydrophobic. In a synchronized manner and constant release of formulations over extended periods. The general characteristic features that makes the polymer a potential candidate for drug delivery include, safety, efficacy, hydrophilicity, absence immunogenicity biological inactivity, sufficient pharmacokinetics, and presence of functional groups for covalent conjugation of drugs, targeting moieties or formation of copolymer. Polymers are the backbone of a pharmaceutical drug delivery system as they control the release of the drug from the device. The drug is release from polymer by diffusion, degradation and swelling. In addition to this review presents characteristics and behaviors of plant derived and mucoadhesive polymers which are currently used in drug delivery. © 2019 iGlobal Research and Publishing Foundation. All rights reserved.

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