Biodegradable Polymers As Drug Delivery Systems

Biodegradable polymers are of great interest in the field of drug delivery and nanomedicine. The great benefit of a biodegradable polymer is that it can break down into non-toxic materials that are then eliminated from the body via natural metabolic pathways. This chapter is focused on the use of biodegradable polymers in long-acting injectable drug delivery systems with an emphasis on how these polymers can enhance the functionality of drug delivery systems and how to strategically select polymers for different applications.