

Research Proposal

Currently I am working with the pectin – polyacrylamide graft copolymer drug delivery system. Future plan of my work includes study of pectin and polyvinyl alcohol graft copolymer as well as esterified cross linked system for transdermal patches, tablet and capsule coatings, ointments.

Pectin have hypocholesterolemic and antithrombotic activities. It has a putative protective action against colorectal cancer.(www.pdrhealth.com). So my ideas are delivery consisting nanoparticles of calcium pectinate give the better results for the same. I will use this systems for my future research work.

I want to study another delivery system consist of carboxymethyl cellulose crosslinked with glutaraldehyde and its nanoparticles system. Polyvinyl alcohol crosslinked with glutaraldehyde nanoparticles is another idea of my future work.