Research Article

Synthesis, Characterization and Antibacterial Activity of Ciprofl oxacin Loaded Polymer Nanoparticles for Parenteral Application

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Different polymerization techniques as particle formation processes for ciprofl oxacin-loaded poly (butyl cyanoacrylate) nanoparticles (CfH-PBCN) were evaluated to choose the most appropriate in terms of the resulting nanoparticles characteristics suitable for parenteral administration. ...

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Synthesis of Nanocomposition of Poly Acrylic Acid/Chitosan Coated-Magnetite Nanoparticles to Investigation of Interaction with BSA and IGG Proteins

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Among the nanomaterial being applied for treatment and diagnosis fi eld, magnetic NPs especially magnetite phase of iron oxide have been signifi cantly interested due to their natural magnetic properties. ...

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Prediction of Enhanced Dimerization inside Dilute Alloy Nanoparticles

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According to a unique nano-confi nement effect of entropic origin, predicted by us several years ago for the equilibrium...
Curcumin, a useful herbal medicine with anti-inflammatory and anti-cancer properties is insoluble in water which restricts its therapeutic properties; ...
Reduced Graphene Oxide and Its Natural Counterpart Shungite Carbon

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Large variety of structure and chemical-composition of reduced graphene oxide (RGO) is explained from a quantum-chemical standpoint. ...