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Emerging applications of nanotechnology for diagnosis and therapy of disease

Nanotechnology is being used in the pharmaceutical field for different reasons. The main reason is to improve drug solubility and delivery to various sites for action. Nanotechnology is also used to develop new and improved therapeutic devices. Therapeutics improved through both the consistent drug delivery, drug targeting and bioavailability of existing medicinal moieties, including the discovery of completely new substances and nanomaterials, which brings out different added advantages over classical drug delivery systems, including the targeted delivery to effected sites only, and the improved adsorption, distribution and duration of medication in the body. This presentation highlights nanomedicine, nanoparticles in drug delivery, pharmaceutical nanotechnology, nanotechnology drug delivery systems, nanotechnology and therapeutic delivery and applications of nanotechnology.

Biography

Heyam Saad Ali is working as the Head of Pharmaceutics Department in Dubai Pharmacy College, UAE. She has contributed more than 50 articles to reputed international scientific journals in different conventional, controlled and targeted drug delivery systems in pharmaceutical product development. She has been invited as speaker to numerous international conferences. She is a Reviewer and Member of Editorial Board of many international journals.

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