

Special Issue: NCNN-2014

(National Conference on Nanoscience and Nanotechnology - 2014)

Carrier System for Self-Assembling Supramolecular & Nanoparticulate System

Garima Sharma, Mithlesh Ojha*, Ajazuddin, Amit Alexander, D. K. Tripathi

Rungta College of Pharmaceutical Sciences and Research, Kohka-Kurud Road, Bhilai – 490024
(Chhattisgarh), E-mail: mithleshrocky30@gmail.com

www.peertechz.com

Aquasome are colloidal range biodegradable novel drug delivery carrier based on the principle of self assembly. Administration of bioactive molecules in their active state has been an enormous task to the pharmaceutical additionally as biotechnological industries. The pharmaceutical & biotechnological industry have challenges to make an appropriate route of drug delivery system. Recent advancement within the space of biotechnology & genetics science has resulted in promotion of protein & peptides as therapeutic agent. The main goal of drug delivery system to optimized drug loading & release properties for long self life & low toxicity. NDDS are considered as promising carrier for broad range of drug delivery system. Supramolecule & nanoparticulate assemblies are defined self assembled structure are successful application in drug delivery system. Aquasome water like properties preserve the conformational integrity & bio chemical stability of bio active. In the present work, we have under line the importance of supramolecule & nanoparticulates for the delivery of bio actives.