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Department: Pharmaceutics

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Educational Qualification: M. Pharm, (Ph.D.,)

Year of Registration: 2016

Project Supervisors: Dr. GNK GANESH

Abstract

Breast cancer is the most common malignancy among women, and the second leading cause of cancer deaths in the world. Antibody-based drug delivery may lead to higher than normal levels of toxicity in hepatocellular carcinoma and bone marrow cancer, due to nonspecific antibody uptake by Folate cancer receptor-expressing normal cells. These limitations can be overcome by using peptide ligands, which are smaller, less immunogenic, and more cost-effective to produce and manipulate. The capecitabine loaded liposome nanoparticles conjugated with Tumor Homing Peptides will be prepared to target HER-2 breast cancer receptor. The Formulated Nanoparticles will be Characterize and then will go for further *in vitro* and *in vivo* studies.

Fellowships: Govt, **Indian Council of Medical Research (ICMR)**

Awards & Scholarships

1. Awarded with **Senior Research Fellow** at Indian Council of Medical Research (ICMR), INDIA.
2. Kokilambigai K, Lakshmi K, Kumar A, Chandrayan G, Satyam K, **Mantosh Singh K.** Spectrophotometric Estimation of Cilnidipine in Bulk and Pharmaceutical Dosage Form using N-(1-Naphthyl) Ethylene Diamine Dihydrochloride. International journal of pharmacy and pharmaceutical sciences 2014;6(9). (IF 0.8)

Way Forward: (Where do you position yourself in 5 years)

- I wish to work as a **Team Leader Formulation scientist** in Formulation Research and Development at Pharmaceutical Industry.