

CERTIFICATE

This is to certify that the following enlisted publications belong to my Ph.D student Mr. Dipesh Baradia who wishes to submit thesis entitled “**Development of Delivery System of Therapeutic Genomics in Treatment of Pulmonary Arterial Hypertension**”, to The Maharaja Sayajirao University of Baroda, Vadodara for the award of Ph.D in Pharmacy.

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LIST OF PUBLICATIONS

PATENT

1. Patent: Dry Powder for Inhalation of siRNA Polyplexes in Treatment of Pulmonary Arterial Hypertension. 2056/MUM/2013.

ARTICLES

2. cRGD Grafted Liposomes Containing Inorganic Nano-Precipitate Complexed siRNA for Intracellular Delivery in Cancer Cells. *Journal of Controlled Release*, 2014, 182(1), 45-57.
3. cRGD Grafted siRNA Nano-constructs for Chemosensitization of Gemcitabine Hydrochloride in Lung Cancer Treatment. *Pharmaceutical Research*. Accepted.
4. Microbeads mediated oral plasmid DNA delivery using polymethacrylate vectors: an effectual groundwork for colorectal cancer. *Drug Delivery*. Early Online. April 2014. DOI: <http://informahealthcare.com/doi/pdf/10.3109/10717544.2014.898348>
5. Inhalation Therapy to Treat Pulmonary Arterial Hypertension. *Pharmaceutical Patent Analyst*, 2012, 1(5), 577-588.
6. *In vivo* Delivery Aspects of miRNA, shRNA, siRNA. *Critical Reviews in Therapeutic Drug Carrier System*, 2012, 29(6), 487-527.
7. Epidermal growth factor receptor targeting in cancer: A review of trends and strategies. *Biomaterial*, 2013, 34(34), 8690-8707.
8. Proteins: emerging carrier for delivery of cancer therapeutics. *Expert Opinion on Drug Delivery*, 2013, 10(10), 1429-1448.
9. Development and Characterization of siRNA Lipoplexes: Effect of Different Lipids, In Vitro Evaluation in Cancerous Cell Lines and In Vivo Toxicity Study. *AAPS PharmSciTech*. (Revision Submitted)
10. Development of self-assembled PLGA hybrid nanoparticles for sustained drug delivery in cystic fibrosis in ITNano held in July 2013 at Boston, USA.

BOOK CHAPTERS

11. Pulmonary Drug Delivery: Challenges and Opportunities: In 'Recent Developments in Biotechnology' Govil JN (Ed.), Stadium Press LLC, USA. (In Press)
12. Application of polymers in colon drug delivery. In 'Application of Polymers in Drug Delivery'; Eds, Misra AN and Shahiwala A, Smithers Rapra Publisher, Shropshire, UK. 2014, 251-288.