

## *List of Publications*

1. **Patent application:** Novel Cationic Lipid for Preparation of Liposomes for Safe and Effective Gene Delivery. Inventors: Vhora Imran, Lalani Rohan and Misra Ambikanandan; Date of filing: October 2017. Awaiting publication.
2. **Patent application:** Pharmaceutical formulation containing amorphous preparation for some antipsychotic compound. Application number: 3639/MUM/2013; Publication date: 31/07/2015.
3. Bhatt, P., **Lalani, R.**, Vhora, I., Patil, S., Amrutiya, J., Misra, A., Mashru, R., Liposomes encapsulating native and cyclodextrin enclosed Paclitaxel: Enhanced loading efficiency and its pharmacokinetic evaluation. International Journal of Pharmaceutics. (Available online: 22<sup>nd</sup> November 2017)
4. **Lalani, R.**, Misra, A., Amrutiya, J., Patel, H., Bhatt, P., Patil, S.K., 2016. Approaches and Recent Trends in Gene Delivery for Treatment of Atherosclerosis. Recent patents on drug delivery & formulation 10, 141-155.
5. **Lalani, R.A.**, Misra, A., Amrutiya, J., Patel, H., Bhatt, P., Patel, V., 2017. Challenges in Dermal Delivery of Therapeutic Antimicrobial Protein and Peptides. Current drug metabolism.
6. Javia A., Amrutiya J., **Lalani R.**, Bhatt P., Patel V., Antimicrobial Peptides as emerging therapeutics for the treatment of burn and wounds, Accepted for publication, Therapeutic Delivery, Sept.2017
7. Jitendra Amrutiya, **Rohan Lalani**, Priyanka Bhatt, Krupa Siddhapura, Ambikanandan Misra. Nucleic Acid Carriers for Pulmonary Gene Delivery, Journal of Pharmaceutical Sciences & Technology Management, Volume 1, Issue 2, July 2015
8. Patil, S., Bhatt, P., **Lalani, R.**, Amrutiya, J., Vhora, I., Kolte, A., Misra, A., 2016. Low molecular weight chitosan-protamine conjugate for siRNA delivery with enhanced stability and transfection efficiency. RSC Advances 6, 110951-110963.
9. Patil S, Vhora I, Amrutiya J, **Lalani R**, Misra A. Role of Nanotechnology in Delivery of Protein and Peptide Drugs. Current pharmaceutical design. 2015;21(29):4155-73.

10. Vhora I, Patil S, Patel H, Amrutiya J, **Lalani R**, Misra A. Overview of Polyester Nanosystems for Nasal Administration, **Pan Stanford Publishing**, Singapore (2015).
11. **Rohan Lalani**, Priyanka Bhatt, Mohan Rathi, Ambikanandan Misra; Abstract 2063: Improved sensitivity and in vitro efficacy of RGD grafted PEGylated gemcitabine liposomes in RRM1 siRNA pretreated cancer cells; Jul 2016 Cancer Research; AACR Conference
12. Priyanka Bhatt, **Rohan Lalani**, Rajashree C Mashru, Ambikanandan Misra; Abstract 2065: Anti-FSHR antibody Fab' fragment conjugated immunoliposomes loaded with cyclodextrin-paclitaxel complex for improved in vitro efficacy on ovarian cancer cells; Jul 2016 Cancer Research; AACR Conference
13. **R. A. Lalani**, P. S. Bhatt, R. C. Mashru, A. N. Misra. Antibody Functionalized Paclitaxel Liposomes: An Assessment of Selective Uptake and Cytotoxic Potential in FSHR Expressing Ovarian Cancer Cell Lines. AAPS annual meeting & exposition 2017, 12-15 November 2017, at San Diego, California, USA.
14. P. S. Bhatt, **R. A. Lalani**, A. N. Misra, R. C. Mashru. Native and Cyclodextrin Enclosed Paclitaxel in Liposomes: A Double Loading Approach in Improving Loading Efficiency and Anticancer Activity. AAPS annual meeting & exposition 2017, 12-15 November 2017, at San Diego, California, USA.

## **Guide**

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