

DATE:

## **CERTIFICATE**

This is to certify that the following publications have arisen out of the research work carried out by my Ph.D. student Ms. Hinal Patel who wishes to submit thesis entitled “**Development of Therapeutics for Hypothyroidism on Genetic Basis**” to The Maharaja Sayajirao University of Baroda, Vadodara for the award of Doctor of Philosophy in Pharmacy.

- 1. Patel H**, Mansuri MS, Singh M, Begum R, Shastri M, Misra A. Association of Cytotoxic T-Lymphocyte Antigen 4 (*CTLA4*) and Thyroglobulin (*TG*) Genetic Variants with Autoimmune Hypothyroidism. PLoS One. 2016;10 ((3):e0149441).
- 2. Patel H**, Yewale C, Rathi MN, Misra A. Mucosal immunization: a review of strategies and challenges. Critical Reviews in Therapeutic Drug Carrier Systems. 2014;31(4):273-303.

**Prof. Ambikanandan Misra,**  
Research Supervisor  
Department of Pharmacy  
Faculty of Pharmacy  
The M.S. University of Baroda

## LIST OF PUBLICATIONS

### A. Research and Review Articles:

1. **Patel H**, Mansuri MS, Singh M, Begum R, Shastri M, Misra A. Association of Cytotoxic T-Lymphocyte Antigen 4 (*CTLA4*) and Thyroglobulin (*TG*) Genetic Variants with Autoimmune Hypothyroidism. PLoS One. 2016;10 ((3):e0149441).
2. **Patel H**, Yewale C, Rathi MN, Misra A. Mucosal immunization: a review of strategies and challenges. Critical Reviews in Therapeutic Drug Carrier Systems. 2014;31(4):273-303.
3. Lalani R, Misra A, Amrutiya J, **Patel H**, Bhatt P, Patil SK. Approaches and Recent Trends in Gene Delivery for Treatment of Atherosclerosis. Recent Patents on Drug Delivery and Formulation. 2016;10(2):141-55.
4. Lalani R, Misra A, Amrutiya J, **Patel H**, Bhatt P, and Patel V. "Challenges in Dermal Delivery of Therapeutic Antimicrobial Protein and Peptides", Current Drug Metabolism. Accepted for publication.

### B. Book Chapter:

1. Vhora I, Patil S, **Patel H**, Amrutiya J, Lalani R, Misra A. Overview of Polyester Nanosystems for Nasal Administration. Handbook of Polyester Drug Delivery Systems: Pan Stanford; 2016. p. 291-351. Print ISBN: 978-981-4669-65-8.