

AWARD

Awarded with the prestigious **Commonwealth Split-Site Doctoral Fellowship** by United Kingdom Commonwealth Commission in the year 2013, to conduct a part of PhD research work at **Aston University, Birmingham, UK** for a period of one year under the esteemed guidance of **Prof. Yvonne Perrie** (Professor in Pharmaceutics/Drug Delivery, Head of Pharmacy, Aston University, UK)

PATENT

Indian Patent (2507/MUM/2015) on “Intra Vaginal Ring (IVR) bearing Dehydrated Rehydrated Vesicles (DRV) Loaded with Raloxifene Hydrochloride and Leuprolide Acetate”.

PUBLICATIONS

Papers Published:

- 1) **Patel, A.**, Tyagi, A., Sharma, R.K. and Thakkar, H., 2016. A gamma scintigraphy study to investigate uterine targeting efficiency of raloxifene-loaded liposomes administered intravaginally in New Zealand white female rabbits. Drug delivery, pp.1-9. **(Impact Factor: 4.843)**
- 2) Hetal P. Thakkar, Amit Khunt, Rahul D. Dhande & **Arpita A. Patel**, 2015. Formulation and evaluation of Itraconazole nanoemulsion for enhanced oral bioavailability, Journal of Microencapsulation: Micro and Nano Carriers. **(Impact Factor- 1.89)**

- 3) Nirav Chauhan, **Arpita Patel**, Hetal Thakkar., 2014. Formulation and optimization of mucoadhesive microemulsion containing mirtazapine for intranasal delivery. Chronicles of Young Scientists; 5:25-32
- 4) Nirav Chauhan, **Arpita Patel**, Hetal Thakkar, 2013. Intranasal Mucoadhesive Microemulsion of Mirtazapine: Pharmacokinetic and Pharmacodynamic Studies. Asian Journal of Pharmceutics;7:36-42 (**Impact Factor: 0.460**)
- 5) Hetal Thakkar, Bindesh Patel, Mayur Parmar, Nirav Chauhan, **Arpita Patel**, 2012. Studies on inclusion complex as potential systems for enhancement of oral bioavailability of olmesartan medoxomil; Chronicles of Young Scientist, Volume-3, Issue-2, page no 129-136.
- 6) Patel Divyakant, Modi Valay, Thakkar Alok, **Patel Arpita**, Thakkar Hetal, 2012. Development and Characterization of solid lipid nanoparticles for enhancment of oral bioavailaility of Raloxifene Hydrochloride. Journal of Pharmacy and Bioallied Sciences; 4:14-16.

Paper under communication:

- 1) **Arpita Patel**, Amit Tyagi, Rakesh Sharma, Hetal Thakkar. Formulation of ^{99m}Techtnetium labeled Leuprolide acetate loaded liposomes and its Biodistribution study in New Zealand white female rabbits for assessment of uterine targeting efficiency.