

Faculty Profile

Name :	Mr. Jaymin Patel (Assistant Professor, LJIP)	
Date of Birth :	28/11/1984	
Educational Qualifications:		
-Ph.D. (University)	Pursuing Ph.D. in Pharmacy, GTU	
-Master's (University)	M.Pharm. in Pharmaceutics, IPER, Wardha (2006-2008)	
-Bachelor's(University)	B.Pharm., HNGU (2002-2006)	
-Any Other:	-----	
Area of Specialization :	Pharmacy, Pharmaceutics, Pharmaceutical Technology	
Date of Joining (LJIP)	08/10/2010	
Present Position :	Assistant Professor of Pharmaceutical Technology, L.J. Institute of Pharmacy	
Contact Details:		
-Address :	Plot No-406/1, Sector 2 B, Gandhinagar-382007	
-Email	jaymin.patel@ljinstitutes.edu.in	
-Phone	(M) 7874336463	
Work Experience :	Teaching (12 years) Industrial(--), Research & Development(--)	
Subjects taught :		
-Under Graduate level	Pharmaceutical Eng. (1st Sem.), Physical Pharmacy (2nd and 3rd sem.), Pharmaceutical Microbiology I & II (5th sem. & 6th Sem.), Dosage for design (7th and 8th sem.)	
-Post Graduate level	PFD (1st sem.), NDDS-I (2nd sem.), NDDS-II (3rd sem.) ITD (3rd sem.), Dissertation (4th sem.)	
Area of Specialization in your field	Novel drug delivery system – Colon Targeted Drug Delivery System	
A brief account of work done by you in the M. Pharm.	<p style="text-align: center;">M.Pharm:</p> <p><i>“STUDY ON COLON TARGETED ORAL DRUG DELIVERY SYSTEM USING METHACRYLIC ACID CO-POLYMERS”</i></p> <p>The objective of this study was to evaluate the combination of pH-dependent and time-dependent polymers by a statistical full factorial design. Eudragit S100 was used as pH-dependent polymers and Eudragit RS100 and Eudragit RL 100 were used as a time-dependent polymer. Ornidazole was taken as a model drug. Dissolution studies of tablets in the media with different pH (1.2, 7.4 and 6.8) showed that drug release in colon could be controlled by addition of Eudragit RS and Eudragit RL100. The various batches were prepared by using 32 full Factorial design in which X1 was the ratio of Eudragit RS 100 to the RL 100 (25%, 50%, 75%) and X2 was the coating level of Eudragit S100 (0%, 5%, 10%). Two response variables were amount of drug release up to 5 hr. and amount of drug release up to 12 hr. An optimized formulation was found to be the one containing 5% coating of Eudragit RS:Eudragit RL (1:1) and 10% coating level of Eudragit S100. The experimental values of response variables highly agreed with predicted values. From results obtained in the present study, it was concluded that an optimized formulation successfully deliver the maximum amount of drug in intact form to the colon.</p>	

New Technologies /methods developed by you	-----
Scale up and Technology Transfer	-----
Industrial Projects Carried Out :(No.)	01 (Completed) with Sylvanus Bioscience Ltd., 01 (ongoing) from Vasa Pharm. Chem. Pvt. Ltd., Ahmedabad
Revenue/Royalty earned by the Organization in Indian Rupees	-----
No. Government funded Projects undertaken by you and their total value	Received Minor Research grant (MRP) from GUJCOST for of Rs. 1,50,000/- project entitled ‘Study on colon targeted oral delivery system containing curcumin and chemotherapeutic agent as adjuvant therapy for treatment of colonic diseases’ for 2014-15
Research Guidance :	
-Master's	33
-Guide for PhD	NA
Summer/Winter/School/Conference/Workshops attended:	09
<ul style="list-style-type: none"> ➤ Presented poster in the National seminar on EMERGING TRENDS IN ADVANCED DRUG DELIVERY SYSTEM, Sponsored by AICTE at Sharda Pawar College of pharmacy, Nagpur. ➤ Presented poster in the Inter-collegiate research festival Aviskar 2007-2008 organized by Institute of Pharmaceutical education and research. Borgaon (meghe), Wardha. ➤ Presented poster in 15th annual national convection of APTI (2-3 November 2010) on topic of “Ornidazole delivered to the colon using combination of pH and time dependent drug delivery system” organized by APTI –AP state branch. ➤ Participated in ICMR & APTI sponsored National seminar on “DISCOVERY & Development of new Chemical entity and product development : expanding horizons in pharmaceutical Industry” organized by Shri Savajanik pharmacy College, Mehsana on 28th Feb 2009 ➤ Participated in IPA & Ganpat University sponsored seminar on “Teaching Methodology and Evaluation system in Pharmaceutical Education “organized by Ganpat University on 28 March, 2009. ➤ Participated in APTI & ASFPC, Gujarat branch sponsored on “Teaching Methodology and pharmacy”organized at B.M Shah College of Pharmaceutical Education and Research. Modasa on 20th September 2009 ➤ Participated in Gujarat State pharmacy Council sponsored Refresher course for Registered pharmacist K.B. Institute of pharmaceutical Education and Research, Gandhinagar on 9th & 10th July 2010. ➤ Participated in the AICTE sponsored staff development program on “recent advance in novel drug delivery system” organizing by Nootan Pharmacy College, visnagar on 1st -14th march 2012. ➤ Poster presented in national conference entitled” Study on colon targeted oral delivery system containing curcumin and 5-fluorouracil as combination therapy for treatment of colonic cancer” at 69th IPC, Varanasi, 2017 	
Summer/Winter/School/Conference/Workshops Conducted:	03
<ul style="list-style-type: none"> ➤ Participated in organizing committee member in International Pharmaceutical federation Sponsored national conference on “innovation in pharmaceutical Industry: From Drug development to distribution” organized at L.J. Institute of pharmacy, Ahmedabad on 28th and 29th July 2012. ➤ Participated in as organizing committee member in AICTE sponsored national seminar on “recent Advance in pharmaceutical chemistry” organizing by L. J. institute of pharmacy, Ahmedabad on 24th & 25th January 2014. ➤ Participated in as organizing committee member in GUJCOST sponsored national seminar on “Quality by Design: Recent Perspective on Process Development and Implementation”” organizing by L. J. institute of pharmacy, Ahmedabad on 24th & 25th July 2015. 	

Patents taken/applied for:

NA

Publications: Research Papers : 12

1. International Journal Of Pharmaceutical Research

Colon Targeted Oral Delivery Of Ornidazole Using Combination Of pH And Time Dependent Drug Delivery System by J.M.Patel, M.R.Brahmbhatt, Mrs.V.B.Patel, S.V.Muley, Dr. P.G.Yeole published in international journal Of pharmaceutical research, 2010, volume 2(1), 28-35.

2. Der Pharma Chemica

Anti-urolithiatic and natriuretic activity of steroidal constituents of Solanum xanthocarpum by Vina B. Patel, Jaymin M. Patel, Maitreyee R. Brahmbhatt published in Der Pharma Chemica, 2010, 2(1): 173-176.

3. Journal of Pharmacognosy and Phytotherapy

Analgesic and Anti-inflammatory activity of leaves of Rivea hypocrateriformis by M. R. Brahmbhatt, J. M. Patel, V. B. Patel, A. K. Saluja Published in Journal of Pharmacognosy and Phytotherapy January, 2010, Vol. 1 (1) pp. 001-003.

4. Current Pharma Research

Formulation and of polymeric Buccoadhesive Film of Carvedilol by J.M.Patel, V.B.Patel, Sumedha muley published in CPR 2(3),2012,546-552.

5. International Journal of Current Pharmaceutical Research

Phytochemical investigation and Molecular Modelling of steroidal Glycoalkaloid from solanum Xanthocarpum by Patel V.B, Rathod I.S, Patel J.M, Brahmbhatt M.R. published in IJCPR February-April 2011:2(1),6-11.

6. International Journal Of Pharmaceutical Sciences And Research

Comperative Study of Rivea Hypocraterformis Cynodon Dactylone And Balanite Aegypticae Using Antilithiatic Activity in Vitro by Vina B. Patel, Dipika G. Patel, Ashlesha G Makvana, Jaymin M. Patel, Maitreyee R. Brahmbhatt published in IJPSR, 2010; Vol, 1(12); 85-87

7. International Journal Of Pharmaceutical Sciences And Research

Microsponges As The Versatile Tool For Topical Route; A Review by Archana Patel, Pratik Upadhyay, Jatin Trivedi, Shreeraj shah and Jaymin Patel published in IJPSR, 2012; Vol, 3(9); 29262937.

8. Journal of Pharmaceutical Science and Bioscientific Research

Development of Stable Formulation and Evaluation of Combination of Amoxicillin and Clavulanic Acid by Arohi Valera, Pratik Upadhyay, Jayant Deshpande, Shreeraj Shah, Jaymin Patel published in JPSBR, 2013, vol 3(4); 127-135.

9. World Journal of Pharmacy and Pharmaceutical Sciences

Formulation Development And Evaluation Of Mouth Dissolving Tablet Of Clozapine by Pradip Solanki, Pratik Upadhyay, Dr. Shreeraj Shah and Jaymin Patel published in WJPPS, 2015; vol 4(2); 247268.

10. Drug Delivery and Translational Research

Formulation development, optimization, and evaluation of sustained release tablet of valacyclovir hydrochloride by combined approach of floating and swelling for better gastric retention by Pratik Upadhyay, Kunal Nayak, Kaushika Patel, Jaymin Patel, Shreeraj Shah, Jayant Deshpande published in Drug Delivery and Translational Research, 2014, vol 4(5); 452-464.

11. Journal of Pharmaceutical Science and Bioscientific Research

Chitosan: A promising agent for formulation of nano particle by Divyesh Rupareliya, Jaymin Patel, Kaushika Patel, Pratik Upadhyay and Shreeraj Shah published in JPSBR, 2015, vol 5(4); 394-398.

12. Journal of Pharmaceutical Science and Bioscientific Research

A Review on Fast Dissolving Sublingual Film by Patel Priti, Patel, Jaymin, Patel Kaushika, Nihar Shah Shah Shreeraj published in JPSBR, 2015, vol 5(3); 279-285

Notable Achievements and activity experience:

- Has touched 86 citation index at Google Scholar (as on 26-02-2019)
<https://scholar.google.com/citations?user=Vqs5nnsAAAAJ&hl=en>
- Passed GATE examination (IIT, Delhi) with 95 percentile in 2006 and got JRF of Rs. 5,000/- per month from AICTE for consecutive 2 years.
- Got 1st rank in M.Pharm Semesters I & II both (Pharmaceutics) in IPER, Wardha, RTM Nagpur University (2007 & 2008)
- Assistant editor of “*Renaissance*”- Annual Newsletter of LJIP
- Worked as Subject Coordinator of Pharmaceutical technology Department Since Dec 2017
- Worked as Mentor for 8th semester students (from September 2015 to Feb 2019) LJIP
- Member, Literature committee in the Zonal and Interzonal Youth Festival organized by GTU and hosted by L.J. Group of Institutes in 2011

Association with Professional Bodies

- The Association of Pharmaceutical Teachers of India (APTI) GU/LM-182 (Life Member)
- Indian pharmacy graduates' Association (IPGA)
- Gujarat state pharmacy teachers Association (GPTA)

Grants Received/Fetched:

Received Minor Research grant (MRP) from GUJCOST for of Rs. 1,50,000/- project entitled ‘ Study on colon targeted oral delivery system containing curcumin and chemotherapeutic agent as adjuvant therapy for treatment of colonic diseases ’for 2014-15

Consultancy and Expertise available for industries

Novel drug delivery system – Colon targeted dosage form & Fast Dissolving Formulation