


Faculty Profile

Name :	Mr.Mihir Patel (Assistant Professor, LJIP)	
Date of Birth :	07/05/1987	
Educational Qualifications:		
-Ph.D. (University)	-----	
-Master's (University)	M.Pharm. in Pharmaceutics, Gujarat University (2008-2010)	
-Bachelor's(University)	B.Pharm., HNGU (2004-2008)	
-Any Other:	-----	
Area of Specialization :	Pharmacy, Pharmaceutics, Pharmaceutical Technology	
Date of Joining (LJIP)	18/07/2011	
Present Position :	Assistant Professor Department of Pharmaceutical Technology, L.J. Institute of Pharmacy	
Contact Details:		
-Address :	95, Arti Tenaments, Nr.Gaurinagar soc.,k.k.nagar, Ghatlodia, Ahmedabad-380061, Gujarat, India	
-Email	mihir.patel@ljinstitutes.edu.in,mppharma284@gmail.com	
-Phone	(M) 94092 85974, 99048 86680	
Work Experience :	Teaching (09 years) Industrial(01 year) Research& Development(-)	
Subjects taught :		
-Under Graduate level	Pharmaceutics (1st sem), Pharm.Eng (2nd sem), Physical Pharmacy (2nd and 3rd sem.), Dispensing Pharmacy (4th sem.), HPCP & FP (5th & 6th sem) Pharmaceutical Technology-I (7th Sem.) & Pharmaceutical Technology-II (8th sem.),	
-Post Graduate level	PFD (1st sem.), IP (1st sem.), NDDS-I (2nd sem.), NDDS-II (3rd sem.) ITD (3rd sem.), Dissertation (4th sem.)	
Area of Specialization in your field	Pilot Plant and scale up technique – Technology transfer	
A brief account of work done by you in the M. Pharm. and Ph.D.	<p style="text-align: center;">M.Pharm: “Formulation and Development of Olanzapine Orally Disintegrating Tablets”</p> <p>In case of psychiatric treatment immediate release of drug from the dosage form is required. In current investigation, Olanzapine an antipsychotic drug was chosen to develop orally disintegrating tablets using wet granulation technique. In preliminary studies tablets were formulated using different subliming agents like Menthol, Camphor, Ammonium bicarbonate and Thymol. Tablets were also formulated using different superdisintegrants viz. sodium starch glycolate, Crospovidone XL, Croscarmellose sodium and resin as a superdisintegrant (Kyron T-314). Polacrilin potassium A11 (2%) exhibited the least disintegration time and higher in vitro drug release as compared to sodium starch glycolate, Crospovidone and Croscarmellose sodium. so polacrilin potassium was selected for further studies. Olanzapine is basic in nature so citric acid was used to enhance the solubility of Olanzapine. A 32 randomized full factorial design was adopted to optimize the variables, The amount of subliming agent, menthol (X1) and the amount of Kyron T-314(X2) were selected as independent variables. The disintegration time and</p>	

	percentage friability (%F) were selected as dependent variables. Batch F9 containing tablet shows good disintegration time, wetting time, friability, Hardness and dissolution profile at 45 mins. Full models and reduced models were derived for the prediction of the response variable, Y. Based on result of multiple linear regression analysis, it was concluded that on increasing the concentration of menthol (X1) and Kyron T-314 (X2) decreases the disintegration time and shows better drug release. The stability study of selected batch was carried out at two different conditions at room temp and at 40+ 20C / 75% RH for 3 months
New Technologies /methods developed by you	-----
Scale up and Technology Transfer	Paracetamol Effervescent Tablet at Intas Pharma in 2010
Industrial Projects Carried Out :(01 from Vasa Pharm. Chem. Pvt. Ltd., Ahmedabad
No.)	
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. 2,55,000/- project entitled 'Study on tumor targeted biodegradable albumin nanoparticulate system containing epirubicin for the treatment breast cancer for 2014-15
Research Guidance :	
-Master's	15
-Guide for PhD	-----
Summer/Winter/School/Conference/ Workshops attended:	06
Summer/Winter/School/Conference/ Workshops Conducted:	02
Patents taken/applied for:	-----
Publications: No of books: -----	
Research Papers : 05 Some of the notable papers are mentioned below:	
<p>1. World journal of pharmaceutical research 2018 Formulation and evaluation of mouth dissolving Film of venlafaxine hydrochloride</p> <p>https://www.google.com/search?q=formulation+and+evaluation+of+mouth+dissolving+film+of+venlafaxine+hydrochloride+sheenal+soni%2cmihir+patel&rlz=1c1chbd_enin878in878&oq=formulation+and+evaluation+of+mouth+dissolving+film+of+venlafaxine+hydrochloride+sheenal+soni%2cmihir+patel&aqs=chrome..69i57.10365j0j8&sourceid=chrome&ie=utf-8</p>	
<p>2. International journal of medipharm research 2015 Formulation and evaluation of sustained release Pellets of tramadol hcl using different release Retarding polymers</p> <p>http://www.medipharmsai.com/home/archive_show/2015/17/vol-1-no2</p>	
<p>3. International journal of medipharm research 2015 Formulation and evaluation of fast dissolving film orizatriptan benzoate.</p> <p>http://www.medipharmsai.com/home/archive_show/2015/17/vol-1-no2</p>	

4. **International journal of pharmtech research** 2014
formulation and evaluation of sustained release pellets of tramadol hcl using 3²full factorial design
[http://sphinxesai.com/2014/ph_vol_6_5/5/\(1736-1745\)_014.pdf](http://sphinxesai.com/2014/ph_vol_6_5/5/(1736-1745)_014.pdf)

5. **Journal of pharmaceutical science and bioscientific research** 2012
Formulation and development of olanzapine orally disintegrating tablets
http://www.jpsbr.com/index_htm_files/6_jpsbr12rs102.pdf

Conferences ,Workshops and Seminars

1. Poster presented in national conference entitled” Formulation and Optimization of “Study on tumor targeted biodegradable albumin nanoparticulate system containing epirubicin for the treatment of breast cancer” at 69th IPC, at Chandigarh (69th IPC), 2017
2. Attended National seminar on "Quality by Design: Recent Perspective on Process Development and Implementation" on 24th & 25th July' 2015 at LJ Campus
3. Attended the National Conference on "Innovations In Pharmaceutical Industry' on 28th-29th Jan, 2012 as well as the member of Organizing committee at LJ Campus, 2012
4. Attended a workshop on Entrepreneurship organized by iCreate on 26th-27th Jan, 2012 at LJ Campus.
5. Poster presented in national conference entitled” Formulation and Optimization of “Floating Multiple Unit Lipid Granules against H.pylori Infection” at 61st IPC, at Nirma University,Ahmedabad, 2009
6. Participated at the 58th indian pharmaceutical congress, 2006, bombay.

Notable Achievements and activity experience:

-) Got 1st rank in M.Pharm 1st year & 2nd Year.
-) Winner in Teacher’s day in Third Year B.Pharm 2007
-) Worked as a volunteer at the 61st Indian Pharmaceutical Congress, 2009, Nirma Institute of Pharmacy, Ahmadabad
-) **Committee member** (Hospitality) in national conference “Innovation in Pharmaceutical Industry: From Drug Development to Distribution”, Pharmanext January 2012 at L.J.Campus, Ahmedabad
-) **Committee member, GUJCOST sponsored National seminar** on "Quality by Design: Recent Perspective on Process Development and Implementation" on 24th & 25th July' 2015
-) **Associate editor of “Renaissance”- Annual Newsletter of LJIP**
-) **Worked as Head of Internal Exam committee**
-) **Head of Hospitality committee in the Interzonal Youth Festival** organized by GTU and hosted by L.J. Group of Institutes in 2012
-) **Committee member, Hospitality 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	<ul style="list-style-type: none">) The Association of Pharmaceutical Teachers of India (APTI) GU/LM-547 (Life Member)) Registered Pharmacist under Gujarat State Pharmacy Council (G 29799)) Member of Gujarat Pharmacy Teachers Association) Member of Indian Pharmacists Graduate Association (IPGA)(4062)
Grants Received/Fetched:	Received Minor Research grant (MRP) from GUJCOST for of 2,55,000/- project entitled ‘ Study on tumor targeted biodegradable albumin nanoparticulate system containing epirubicin for the treatment of breast cancer’ for 2014-15
Consultancy and Expertise available for industries	Pilot Plant and scale up technique – Technology transfer (Tablets)