

Faculty Profile

Name :	Ms.Tosha Pandya (Asst. Professor, LJIP)	
Date of Birth :	03/10/1989	
Educational Qualifications:		
-Ph.D. (University)	Parul University (Persuing)	
-Master's (University)	M.Pharm. in NDDS, M.S University (2012-2014)	
-Bachelor's(University)	B.Pharm., M.S.U (2008-2012)	
-Any Other:	-----	
Area of Specialization :	Pharmacy, Pharmaceuticals, Novel drug delivery system	
Date of Joining (LJIP)	28/10/2018	
Present Position :	Assistant Professor, Pharmaceutical Technology, L.J. Institute of Pharmacy	
Contact Details:		
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-Email	tosha.pandya_ljip@ljinstitutes.edu.in , tosha.pandya89@gmail.com	
-Phone	(R) - (M) 8733877584	
Work Experience :	Teaching (03 years) Industrial(02) Research & Development(01)	
Subjects taught :		
-Under Graduate level	Physical Pharmacy (3 rd and 4 th sem.), Pharm. Jurisprudence (4 th sem), Microbiology (5 th sem),Biotechnology (5 th sem), Industrial Pharmacy (6 th sem)	
-Post Graduate level	NDDS-I (2 nd sem.), NDDS-II (3 rd sem.)	
Area of Specialization in your field	Novel drug delivery system – Nanoparticulate system	
A brief account of work done by you in the M. Pharm. and Ph.D.	<p style="text-align: center;">M.Pharm:</p> <p>“INTRANASAL D E L I V E R Y OF EXENATIDE (PEPTIDE) PLGA NANOPARTICLES IN THE TREATMENT OF OBESITY”.</p> <p>HPLC Method Development for Estimation of Exenatide in solvent, in nanoparticles and in brain homogenate Formulation of Exenatide PLGA N a n o p a r t i c l e s by Double Emulsification Solvent Evaporation method and study of various factors affecting peptide stability and properties of nanoparticles such as entrapment efficiency and size Optimization of Nanoparticles by Full Factorial Design. Characterization of nanoparticles by particle size, zeta potential, surface morphology, DSC analysis and drug release study Induction of Obesity in rats by high fat diet. Study of various parameters such as body weight, Serum Total Cholesterol, Serum Triglycerides, HDL, LDL and VLDL before and after intranasal administration of Exenatide PLGA Nanoparticles.</p>	

	DST Project
	Development of Dry powder inhaler formulation for treatment of Chronic Tuberculosis
	Formulation of microsphere dry powder inhaler formulation for pulmonary delivery of three Antitubercular drugs and to evaluate dry powder inhaler for effective targeting to alveolar macrophage
New Technologies /methods developed by you	-----
No. Government funded Projects undertaken by you and their total value	-----
Research Guidance :	
-Master's	-----
-Guide for PhD	-----
Summer/Winter/School/Conference/ Workshops attended:	
Summer/Winter/School/Conference/ Workshops Conducted:	-----
Patents taken/applied for:	----
Publications:	
Research Papers :	
	<ol style="list-style-type: none"> 1. Inhalable liposomal dry powder of gemcitabine-HCl: Formulation, in vitro characterization and in vivo studies 2. "Enhancement of solubility of Artemisinin and Curcumin by co-solvency approach for application in parenteral drug delivery system" 3. Development and Optimization of Dispersible Tablet of Bacopa monnieri with Improved Functionality for Memory Enhancement 4. Optimization of Ivabradine Hydrochloride Transdermal Patch by D-Optimal Mixture Design: In Vitro and In Vivo Evaluation 5. Development of Biodegradable Injectable In situ Forming Implants for Sustained Release of Lornoxicam 6. Development and Validation of HPLC method for simultaneous estimation of Rifampicin and Ofloxacin using experimental design 7. Liposomal Formulations In Cancer Therapy: Passive Versus Active Targeting "Optimization of Brinzolamide loaded Microemulsion using Formulation by Design approach: Characterization and In-vitro evaluation"

Conferences ,Workshops and Seminars

1. Quality metric- workshop- National
2. Current trends in lyophilization- seminar- National
3. Advanced Pharmaceutical Techniques- National
4. Quality by design and Design of experiments- National
5. Lean Six sigma principles and Multivariate tools in drug product development- National
6. PharmaIcon- Translational research in drug development and drug delivery- International
7. 69th Indian Pharmaceutical Congress- National
8. Nanoscitech- International
9. Challenges,opportunities and newer directions of Pharmacovigilence- International
10. Integrating Natural products with modern techniques- National
11. Quality Improvement Programme- National
12. Controlled release Asia meeting- International

Notable Achievements and activity executed:

- GRADUATE Pharmacy Aptitude Test (GPAT) in pharmaceutical science-2012: all India rank 334 & State rank 72 (Gujarat)
- NIPER-Joint Entrance Examination (JEE)-2010: All India Rank 495
- RECEIVED 'GOLD MEDAL' IN B-PHARM
- Awarded with AICTE GATE Scholarship for the year 2013-2014
- Have Participated in various conferences and seminars, both as delegate and Oral speaker

Association with Professional Bodies

Grants Received/Fetched:

Consultancy and Expertise available for industries
