

# Jayshil Bhatt

182-30, Tudor Road  
New York, 11432 USA  
M (+1) 929-393-4077

[jayshil.bhatt@my.liu.edu](mailto:jayshil.bhatt@my.liu.edu)

[bhattjayshil@gmail.com](mailto:bhattjayshil@gmail.com)



## Education

- 2017–Present **Masters of Science in Pharmaceutics**, Long Island University-Brooklyn, USA  
Specializing in Industrial Pharmacy (Graduate Research assistant & Teaching Assistant in Pharmacy department)-GPA - 3.83
- 2012–2014 **Masters of Pharmacy**, Ahmedabad University, India, Score – 87.5%.  
Specialized in Quality Assurance
- Jun 2012 **Post Graduate Diploma in Regulatory Affairs**, Gujarat University, India, Score – 73.00 %.  
Specialized in regulatory affairs
- 2006–2010 **Bachelors in Pharmacy**, Gujarat University, India, Score – 62.0 %.

## Professional Experience

2018- Conti. **Graduate Research Assistant**, Lachman Institute of Pharmaceutical Analysis

- Analytical method development and validation on Waters UPLC  
- Empower softer.
- Transdermal Patch Extraction.
- Bioanalytical method development with Validation according to USFDA guidelines. Also worked on dissolution and basic wet chemistry techniques.
- 4000 Q trap ABSciex LC-MS/MS Instrument with shimadzu LC system  
- Analyst software

2017 – Conti **Graduate Teaching Assistant**, Arnold & Marie Schwartz College of Pharmacy and Health Science

- Conducting PharmD compounding labs and assisting the students with formulation and compounding issues

2017-2018 Mathletics Tutor in Long Island University in Under Graduate courses.

2014–2016 **Executive Research Scientist**, Amneal Pharmaceuticals Ltd., India.

Worked in Exploratory group with GLP Compliance of product development department

Detailed achievements:

- To develop and validate analytical methods, perform impurity profiling, dissolution profiling along with dissolution method development.
- To ensure that analysis of finished products is carried out as per approved Manufacturing instructions following relevant SOPs, BPR and to ensure appropriate documentation in order to maintain cGMP.
- Executed technology transfer and implemented Deviation Management and CAPA System to fulfill regulatory GMP requirements.
- Trending and analysis of data to study batch performance and variability for consistency and improvements.

2011–2012 **Research Associate**, Cliantha Research Ltd., India.

Responsible for BA/BE studies for estimation of drugs in human plasma for ANDA filing.

Detailed achievements:

- To analyze the clinical BA/BE studies raw data generated on LCMS-MS Instrument and prepare appropriate submission formats for NDA and ANDA application as per various regulatory requirements like USFDA and EU.
- To perform clinical trial auditing and prepare the report for submission to regulatory agencies.
- To evaluate the pharmacokinetics data for any deviation and ensure compliance with the guidelines.

2010–2011 **Quality Control Officer**, Claris Lifesciences Ltd., India.

Worked in the parenteral analytical department to release the batches after detailed analysis

Detailed achievements:

- To investigate and analyze the parental formulation- from raw material to finished formulation and ensure compliance with the regulatory norms like USFDA.
- To analyze the market query and respond to them by providing supporting evidences.

- To prepare Certificate of Analysis (COA) for standard and finished product along with detailed specification.

## Masters Thesis

Title *Development of Analytical Method for Standardization of *Enicostemma littorale* using Swertiamarin as the Biomarker in Various Marketed Formulations and Optimization of Novel Formulation*

Supervisors Dr. Ramesh Goyal, Dr. Vinod Jairaj and Ms. Rajeshwari Rathod

Description The work aimed to develop an analytical method for quantification and standardization of “swertiamarin” in *Enicostemma littorale* extract. The developed HPLC method was validated and found to detect *swertiamarin* even in micrograms concentration. The swertiamarin content in the different antidiabetic herbal marketed preparation containing *Enicostemma littorale* was compared and the method was found to selectively identify *swertiamarin* in the polyherbal products. The method developed was extended to the analysis of the developed formulation such as tablets, granules, and capsules of swertiamarin using *Enicostemma littorale* dry extract.

## Skills and Expertise

Expertise: UPLC (Waters), HPLC (Waters, Agilent and Shimadzu), LC-MS (Waters), Dissolution apparatus (type I to IV), FT-IR, Differential Scanning Calorimeter (DSC), Particle analyzer, Karl-Fisher Auto-titrator

Intermediate: LC-MS/MS, gas chromatography

Comprehensive: Pre-formulation studies, drug-excipients interaction study, stability studies and solubility

## Publications

Jayshil Bhatt\*, Rajshree Rathod, Vinod Jairaj, Ramesh K.Goyal , Development and validation Analytical Method for estimation of swertiamarin in various Marketed Preparation containing *Enicostemma littorale*, published by World Journal of Pharmacy and Pharmaceutical Science for june issue 2016:5(6):1467-1478.

Jayshil Bhatt\*, Rajeshwari Rathod, Vinod Jairaj, Ramesh Goyal, Comparison of Swertiamarin content in different Marketed Preparation. accepted by World Journal of Pharmacy and Pharmaceutical Science for September 2016 issue WJPPS/7732/5/2016

JayshilBhatt, Ramesh K.Goyal, Significance of Pharmaceutical Factors on Selection of BioBatch, *accepted by International Journal of Pharmaceutical Sciences and Research (IJPSR)*, Nov 2014, 5(11).

Jayshil Bhatt\*, Hitesh Vaidya, Varun Khanna, Ramesh Goyal, *In silico* docking studies for designing potent anti-diabetic derivatives of swertiamarin with enzyme HMG COA reductase, *Molecular Cytogenetics*, Jan 2014, 7(Suppl 1 ): P97. <http://www.molecularcytogetics.org/content/7/S1/P97>

Jayshil Bhatt\*, Kalpesh Amin, Review on Bio Batch, *International Journal of Pharmaceutical Research and Applied Sciences*, May 2013, 1(4) : 1- 7.

Jayshil Bhatt\*, Bholika Patel, Rajeshwari Rathod, Vinod Jairaj, Amita Joshi, Ramesh K. Goyal, Development of Novel formulation containing higher quantity of Swertiamarin. (Manuscript submitted).

## Poster presentations

- 2014 “In silico docking studies for designing potent anti-diabetic derivatives of Swertiamarin with enzyme HMG COA reductase” at International Conference on Human Genetics & 39th Annual Meeting of Indian Society of Human Genetics, India.
- “Bio Nano Robotics” at 3rd Annual National Convention by ASSOCIATION OF PHARMACY PROFESSIONAL held at Faculty of Pharmacy, Dharmsinh Desai University, Gujarat, India.
- 2013 “Development of self nano emulsifying drug delivery system of Griseofluvin” and poster presentation as Co-author in GUJCOST and DST (Department of Science and Technology) sponsored national seminar on “Patent: A Promising Approach in Pharma Sector” organised by Arihant School of Pharmacy and Bio-Research Institute, Adalaj, India.
- “Ultrasound Assisted Extraction, Optimization And HPTLC quantification of Lycopene from Dried Peels of Tomatoes” at Conference on Drug Discovery from Natural Products in Raman Bhai Patel College of Pharmacy, CHARUSAT, Gujarat, India.

---

## Position of responsibilities held

Membership in The Rho Chi Society is a privilege accorded to the very few who distinguish themselves by their academic and professional achievements and who aspire to the mission and vision of the Society.

Member of the student welfare committee at Nutan Education Pharmacy College at Gujarat University (undergraduate program).

Core member of the inter-sports committee responsible for conducting the interuniversity sports tournaments, workshops other events which commanded participation exceeding 800 (Gujarat University).

Member of the yoga and meditation center at Ramkrishna Mission Yoga center.

Member of the student activity committee at Ahmedabad University (Graduate program), responsible for providing a forum for all the extra-curricular activities and activities related to sports.

Member of govt. recognized NGO "Yuva-Unstoppable", an organization involved, predominantly in development of underdeveloped kids in addition to the social service.

---

## Awards

- |      |   |
|------|---|
| 2018 | The Rho Chi Society academic and professional achievements Award  |
| 2015 | Awarded "BRAVO" award for significant contribution in the ongoing project at Amneal Pharmaceuticals Ltd., India |
| 2014 | Awarded the Best Scholastic Student in Graduate program at Ahmedabad University-India                           |

---

## Languages

Gujarati	<b>Mother Tongue</b>	
English	<b>Advanced</b>	<i>Writing and Conversationally fluent</i>
Hindi	<b>Advanced</b>	<i>Writing and Conversationally fluent</i>
German	<b>Beginner</b>	<i>Writing and reading intermediate</i>