

AKANKSHA RAVINDRA UGALE

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ACADEMIC QUALIFICATION

Long Island University PhD in Pharmaceutical Sciences Relevant courses Industrial Pharmacy-I, Physical Pharmacy-I, Pharmaceutical Analysis, Calculus, Biostatistics, Pharmaceutical Regulatory, Industrial Pharmacy-II, Physical Pharmacy-II, Advanced pharmacokinetics, and biopharmaceutics	Brooklyn, NY Feb'21- Present
University of Pune MS in Pharmaceutical Quality Assurance	Pune, India Jul'17-Jul'19
University of Pune Bachelors of Pharmacy	Pune, India Jul'13-Jul'17

WORK EXPERIENCE

Long Island University Graduate Assistant in Compounding Lab (Department of Pharmaceutical Sciences)	Brooklyn, NY May' 21 - Present
<ul style="list-style-type: none">Systemized labeling and arranging inventory according to current SOPsInstructed students with development of various pharmaceutical dosage forms and their evaluationAssisted professor with grading papers and performing tasks as assignedProctored exam with responsibilities of preparing classrooms prior to exam, handling out examinations(time limits) Reported any suspicious activity according to protocols and collecting exams as they're finished at the end of allotted time	
Sharp Wellness Solutions Pvt. Ltd. Executive Manager (Part-time)	Nashik, India Mar'19-Sep'20
<ul style="list-style-type: none">Planned and organized batch manufacturing schedule according to raw materials and resource's abilityEnsured the quality control standard limits	
Bharat Serums and Vaccines Limited Formulation R&D Intern	Mumbai, India Sep'18- Mar'19
<ul style="list-style-type: none">Executed chromatographic techniques such as HPLC and Thin layer chromatography on Amphotericin -B as anticancer drug in clinical stage IIPerformed and analyzed analytical tests like Bio-analytical HPLC method development and validation of Amphotericin- B, Dissolution studies, Content uniformity to check the drug release.Conducted formulation studies of different prototypes of Vitamin C serum and its evaluation.	
Core Analytical Lab, Quality Assurance Department Quality Assurance Trainee	Nashik, India Jul'18-Sep'18
<ul style="list-style-type: none">Participated and coordinated internal audits which included finished product testings and revised SOP'sEvaluated and Analyzed the Deviations and out of specification results for tablets and capsules	
J. Duncan Healthcare Private Limited Trainee	Mumbai, India June'16-June'16
<ul style="list-style-type: none">Trained on GMP and GLP practices, Sterile area, and Air handling Units such as HVACTrained on packaging and Quality Control testing.	

RESEARCH EXPERIENCE

Long Island University Formulation Intern	Brooklyn, NY May'21-Dec'21
Formulation and development of two Nebulizer Formulations: <ul style="list-style-type: none">Conducted Solubility studies on the API's using different solvents	

- Developed, validated, and assessed the analytical methods employing UV and HPLC of API
- Interpreted DSC, TGA (melting point determination) and PXRD characterization of API
- Analyzed compatibility of excipients depending on Nebulizer performance and stability.
- Developed and evaluated final formulation and performed stability studies using high temperature

Tablet Profiling and Compaction simulation using industrial tablet compressors

Natoli Engineering

PA, USA

- Attended demonstration of tablet production using the crystals forms grown for Anticonvulsant drug and further analytical evaluation on them
- Diagnosed for causes of tablet defects and troubleshooting for further batch production
- Knowledge of CTC profiling and compatibility studies used in analysis of material behavior of pharmaceutical excipients

University of Pune

Pune, India

Master thesis work

Jul'17-Jul'19

- Analytical method development and validation for simultaneous estimation of Myo-Inositol and D-chiro Inositol in solid oral dosage form
- Co-worked on "Study of Topical Formulation of Synzygium aromaticum oil for Antibacterial Activity."

University of Pune

Nashik, India

May'17-June'17

- Assisted in Molecular Docking Technique and assisted Discovery of Some Hydroxylated Chalcone Molecules as α -glucosidase Inhibitors (A Journal of Drug Design and Discovery, ISSN: 2349-9036, Volume 6, Issue.

PUBLICATIONS

- Published a research paper on 'Analytical method development and validation for simultaneous estimation of myo-inositol and D-chiro inositol in pharmaceutical dosage form' (INDIAN DRUGS: Submission Confirmation for Manuscript No.12002) to be published when and where- published in (IDMA) INDIAN DRUGS.

PRESENTATION AND CONFERENCES

- Participated as delegated in State level seminar on 'The Emerging Role of Nanotechnology in Dermatology and Cosmetics' and on 'HPLC; Challenges in Method Development and Troubleshooting', January 2018.
- Presented a poster entitled 'A study on topical formulation of synzygium aromaticum oil for antibacterial activity' in 3rd International Conference on Academic and Industrial Innovations: Transitions in Pharmaceutical, Medical and Biosciences organized by Innovare Academic Sciences, October 2018.
- Awarded for the academic excellence in 'second position' during final year B. pharmacy, March 2018.
- Received first prize in poster presentation organized on 'Pharmacist Day' held at MET's Institute of Pharmacy, September 2013.
- Awarded of IPA-68th Indian Pharmaceutical Congress "National Pharma Quiz", November 2016.
- Participated as delegate in two days refresher course on 'Respiratory Product Formulation and Evaluation' in association with Glenmark Pharmaceuticals Limited., April 2016.

SKILLS

Technical Skills-Microsoft | power point | Excel | Word | Open Lab software | UV Probe

Interpersonal Skills- Project Management | Teamwork | Leadership