

DHRUV SUTHAR

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OBJECTIVE

Intended to build career with leading organization with committed and dedicated peoples which will help me to explore myself fully and realize my potential and innovation new idea, want to work as a key player in challenging world.

EDUCATION

Arihant School of Pharmacy & Bio-Research Institute, Gujarat, India 2021-2023
Master of pharmaceutical, CPI: 8.41 out of 10

K.B Raval College of Pharmacy, Gujarat, India 2017-2021
Bachelor of pharmacy, CPI: 7.73 out of 10

Kum-Kum School, Gujarat, India 2015-2017
Higher Secondary Certificate, Percentage: 67%

Shree Durga Vidyalaya, Gujarat, India 2014-2015
Secondary School Certificate, Percentage: 58%

MAJOR PROJECT WORK

Project Title: June 2022 - March 2023
“QbD based penetration enhancement approach for paliperidone Transdermal Drug delivery.”

Sponsored By: SSIP-SSP

- In this Project, primary goal was to determine various approaches to transdermal drug delivery for Paliperidone and establish Quality by Design (QbD) guidelines for optimizing Invasome (Vesicles Drug Delivery System). This project involved an array of tasks, including assessing drug compatibility, selecting appropriate lipids and excipients, and designing experiments with statistical analysis using Design of Experiments (DOE) software.
- Optimized Invasome (Vesicles Drug Delivery System) successfully loaded Bilayer microneedle by using Micro molding Method. Microneedle Mother Mold prepared by Novel DLS base 3D printer and Microneedle mold prepared by using Silicone Mixer. Then, we conducted in vitro and in vivo studies to evaluate release kinetics and skin irritation. Furthermore, I gained proficiency in various analytical techniques such as DLS, SEM, Spectroscopy analysis, FTIR, Diffusion studies, and DSC.

Project Title: November 2020 – April 2021
“Formulate and Evaluate Herbal cold cream using Fullers Earth (Multani Mitty).”

- In this project, the main objective was to identify suitable herbal ingredients for the formulation of a cold cream, aiming to enhance the efficacy in the presence of fullers' earth. We explored various excipients for the preparation of fullers' earth cold cream and conducted a comprehensive assessment of their physical properties, spread ability, irritancy, wash ability, pH, and stability.

MINOR PROJECT WORK

- ***Zip Dose Technology (3D Printing) Placebo Tablet***
- ***Rock Salt Cream***
- ***Oral Fast Dissolution Thin Film***

PYTHON PROJECT WORK

- ***Virtual Mouse***
- ***AI Voice Assistance***
- ***Augment Reality (AR)***
- ***Augment Reality Android Application***

- *Website (by html)*

WORK EXPERIENCE

SSIP SPONSORED RESEARCH WORK

June 2022 – April 2023

QbD based penetration enhancement approach for paliperidone Transdermal Drug delivery.

Emcure Pharmaceutical, Gujarat, India.

August 2022 – September 2022

Formulation and Development Department (Training),

- Supported Formulation of Tablet by wet or Dry Granulation Technic.
- Conducted Pre-Formulation study like Particle size analysis, LOD, BD-TD, XRD Study Sample Preparations, etc.
- Supported Executed bench trials (Sifting, Blending, Wet Granulation, Compression, Coating, etc.)

KNM Pharma Pvt. Ltd., Gujarat, India

July 2020 – October 2020

Production Department (Training)

- Supported development of Solid & Liquid dosage form Such as Dolo 250, Allercet L, etc.
- Monitored & gathered in-process parameter & data of pilot & scale-up batches.
- Requested & maintained necessary document of raw material & Finished prod

CERTIFICATE AND AWARD

- ***Winner of DBT-ILS Bio-Incubator Innovation Challenge*** May 2023
- ***National e-Conference on DoE: A Valuable Multipurpose Tool of Biostatistics organized*** March 2023
- ***APP 15TH INDO-US VIRTUAL CONFERENCE*** December 2021

REVIEW ARTICLE PUBLICATION

- ***3D Printing Zip Dose Technology in Pharmaceutical: A Review Article (Published IJPRA Journal: Vol 8, Issue 5, pp: 471-477)***

SKILLS

• Literature Review	• Pre-Formulation Study	• Quality by Design
• Formulation Flow System	• Design of experiment	• Creative problem Solving
• IPQC	• BMR-BPR-DMF	• UV Spectroscopy
• Plan, Schedule, Monitoring	• Team Work	• Fourier transform infrared (FTIR)
• Scanning electron microscope (SEM)	• Differential scanning calorimeter (DSC)	• Dynamic Light Scattering (DLS)
• Vesicle Entrapment Efficiency Study	• Scale up	• Statistical Analysis
• PCR Amplification		