

CURRICULUM-VITAE

MISS. S. S. BHARATI



Ph.D. Scholar (Thesis Submitted)
Bharati Vidyapeeth's
Poona College of Pharmacy,
Erandwane, Pune,
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India.

Permanent Address

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Personal Data

Father's Name: Ms. Suresh Bharati
Mother's Name: Mrs. Shobha Bharati
Date of Birth :14th March 1995
Marital Status : Unmarried

Hobbies & Interests

- Research

Languages Known

- Marathi
- English
- Hindi

OBJECTIVE

To impart intrinsic knowledge of the subject in theoretical, practical and research aspects. To indulge high quality of discipline and sincerity in the students to make them successful in their academic career and produce them as responsible and duty-minded citizens of our country.

STRENGTHS

- Focused
- Dedicated.
- Flexible and ability to work within group.
- Strongly believe in doing result oriented hard work.

PROFESSIONAL EXPERIENCES

- Presently working as an Assistant Professor at Bharati Vidyapeeth, Institute of Pharmacy, CBD Belapur, and Navi Mumbai. 01st Oct 2023 to till date.
- Previously worked as an Assistant Professor at Bharati Vidyapeeth, Poona College of Pharmacy, Pune from 1st August 2021 to 1st August 2023.
- Worked as an Assistant Professor at Shri D. D. Vispute College of Pharmacy & Research Center, Panvel From 1st August 2019 to 1st March 2020
- Total Experience: 2.5 years

PROFESSIONAL QUALIFICATIONS

- **PhD Thesis Submitted (Pharmaceutical Sciences)** **2023**
(Bharati Vidyapeeth Deemed University, India)
- **M. Pharmacy (Pharmaceutics) with first class** **2019**
(University of Mumbai, India)
- **B. Pharmacy with first class with Distinction** **2016**
(Savitribai Phule Pune University, Maharashtra, India.)

RESEARCH EXPERIENCE

- Prepared, developed, and optimized gastroretentive tablet of H₂ receptor antagonist and calcium channel blocker drug by QbD approach. Development of HPLC methods for estimation of the drug in plasma.
- Carried out a pharmacokinetic and roentgenographic study of formulation in rabbits and rats.
- Carried out a pharmacodynamic study of hypertension induced by Doxorubicin and aspirin-induced ulcers in rabbits.
- Developed and evaluate solid dispersion of BCS class II and carried out a pharmacokinetic and pharmacodynamic study in rats following one kidney one clip model.
- Developed and evaluate the spray-dried powder of methylene blue to improve the particle size for DPI
- US regulations for tablets and capsules.
- Formulate and evaluate in vitro anti-inflammatory, antibacterial study of silver nanoparticles hydrogel of cinnamaldehyde.
- Following are a few high-end formulation equipment and instruments that I have worked on i.e., Tablet punching machine, spray dryer, R & D coater, Sotax flow through cells, Cascade Impactor.

CONFERENCES / SEMINARS / TRAINING PROGRAMMES

1. Poster presentation on “Bioanalytical Method Development and Validation of Famotidine using HPLC System” at the 72nd Indian Pharmaceutical Congress, Nagpur.
2. Completed course “Animal Handling and Experimentation Techniques” organized by BVDU, Poona College of Pharmacy, Pune-411038 during 24th May to 3rd June 2022.
3. Demonstration of Zeta potential and size analyzer given at “Strategies and approaches for characterization of Pharmaceuticals and Biopharmaceuticals Hands on Training Workshop May 17-23, 2022, DST-STUTI ICT” held at BVDU, Poona College of Pharmacy, Pune-411038.
4. Post-graduate Diploma in Intellectual property rights from Government Law College Churchgate, Mumbai.

PUBLICATIONS

1. **Swati Bharati**, Vinod Gaikwad, Bothiraja Chellampillai. Investigation of a quantitative bioanalytical HPLC method for the assessment of famotidine in pre-clinical samples: application for pharmacokinetic studies. **Analytical Chemistry Letter**, 2023, 13. <https://doi.org/10.1080/22297928.2023.2217176>
2. **Swati Bharati**, Vinod Gaikwad, Atmaram Pawar, Bothiraja Chellampillai. Investigation of a biopolymer-based pH-responsive and sustained release raft-gel-forming tablet of famotidine: in-vitro, ex-vivo, bioavailability and anti-ulcer evaluation in New Zealand albino rabbit. **Journal Drug Delivery Science and Technology**, 86, September 2023. **IF-5** <https://doi.org/10.1016/j.jddst.2023.104649>
3. **Swati Bharati**, Vinod Gaikwad, Bothiraja Chellampillai. Bioanalytical Method Development and Validation for Determination of Efonidipine Hydrochloride Ethanolate in Rat Plasma by High- Performance Liquid Chromatography: Application for Pharmacokinetic Study. Accepted in **Analytical Chemistry Letter**, June 2023.
4. Abhijeet Hiwrale, **Swati Bharati**, Prashant Pingale, Amarjitsingh Rajput. Nanofiber: A current era in drug delivery system. Accepted in **Heliyon, Elsevier**, August 2023. **IF-4**.

MEMBERSHIP

- Registered pharmacist in Maharashtra State Pharmacy Council.

Date:

Place:

Ms. Swati. S. Bharati