



MONIKA SHIVAJI SONAWANE

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EXPERIENCE: (Total 9.5 Years)

Assistant Professor – MVP's College of Pharmacy, Nashik

April 2014 to Present

Job Responsibilities:

- Teaching Quality Management Systems, Product development and Technology transfer, Hazards and safety management, Pharmaceutical Manufacturing technology to M.Pharm students.
- Placement Incharge of PG section.
- Extracurricular Activity incharge for PG Section.
- Ph.D. Administration Incharge.

Projects Handled:

- Analytical method development and validation of HPTLC Method for simultaneous estimation of terpinen-4-ol and 1,8-Cineole from essential oils and marketed formulation
- Development and validation of HPTLC method for simultaneous estimation of rutin, Quercetin and ferulic acid from marketed polyherbal formulation.

Ph. D. – Savitribai Phule Pune University (Formerly University of Pune)

Mar. 2016 to Jan. 2022

Status-Submitted Ph.D. Thesis (degree yet to be awarded)

Title: Phytochemical and Pharmacological Investigation of some plants of Cassia Species.

- Pharmacognostic evaluation of selected plants.
- Phytochemical investigation and isolation from selected plants by using column chromatography, HPTLC-MS-MS, GC-MS, UV Spectrophotometry, IR Spectroscopy.
- Development and validation of HPTLC method for simultaneous estimation of rutin, Quercetin and Resveratrol.
- Pharmacological investigation by using In-vitro and In-vivo methods for Antiasthma activity.
- Insilico Pharmacokinetics prediction and Molecular docking of Isolated Phytochemicals.

Research Associate – Process R&D, GlaxoSmithKline, Nashik

From July 2013 to April 2014

Projects Handled:

- a) Analytical method Development and verification/ validation by RP-HPLC.
- b) Trials & Manufacturing of pilot batches of formulations and related documentation.
- c) Making of standard operating procedure document.
- d) Assisted in GAP Analysis activity to develop and revise SOP.
- e) Stability study of formulations under development.
- f) Calibration of analytical equipment.
- g) Assisted in Product transfer and technology transfer activity.

Project Trainee – Quality Control Dept. GlaxoSmithKline, Nashik

From August 2012 to July 2013

Projects handled:

- a) Analytical method development and validation for cleaning method of various Formulations by RP-HPLC.
- b) Analytical method Verification of newly developed methods of testing of various formulations as per Regulatory Guidelines.
- c) Analytical method development and validation for Albendazole Plant Effluent Water analysis by using RP-HPLC as per Regulatory Guidelines.
- d) Conduct of Analysis and testing of various formulations.
- f) Assisted in making reports and protocols of method validations, cleaning validations, performance qualification and other Documentations.

FDP, TRAINING AND CERTIFICATE COURSES:

- 1) Certificate course in "Quality Engineering and Management" offered by IGNOU on SWAYAM Portal, Secured 72% Marks in proctored examination of same. (Septemer-December2021)
- 2) FDP in "Industrial Pharmacy-III" at Institute of Chemical Technology, Mumbai under the scheme of PMMMNMTT (15-24 April 2021)
- 3) FDP on "Chromatography: Advancements in Instrumentation and Applications" at Dr D. Y. Patil Institute of Pharmaceutical Sciences and Research on AICTE Training And Learning (ATAL) Academy. (12-16 October 2020)

- 4) Four week Induction Programme for "Faculty in Higher education Institutes" at Teaching learning center, Ramanujan College Delhi University under the aegis of MHRD, PMMMNMTT, secured Grade A⁺ (1-30 September 2020)
- 5) Certificate course in "Learning and Instruction" offered by NITTR on SWAYAM Portal, Secured 68% Marks in proctored examination of same. (January-February 2019)

TECHNICAL EXPOSURE:

- a) High performance liquid chromatography apparatus (waters & Agilent)
- b) High performance Thin layer Chromatography apparatus
- c) Gas Chromatography apparatus
- d) UV/Visible spectrophotometer (shimadzu)
- e) FTIR spectrophotometer (Shimadzu)
- f) Dissolution Test Apparatus (Electrolab & Vankel)
- g) Erweka ETB Powder Flow meter
- h) Malvern Particle size Analyzer
- i) Vankel Tap Density apparatus
- j) Alpine Air Jet Sieve analyser
- k) Disintegration Test Apparatus (Electrolab)
- l) Brookfield Viscometer
- m) Auto Titrator
- n) Karl-Fisher apparatus
- o) Colourflex Instrument
- p) Tintometer Instrument
- q) TOC analyzer
- r) Automatic Liquid manufacturing Assembly (Bectochem)
- s) Automatic Ointment Manufacturing Assembly (Bectochem)

SOFTWARE SKILLS:

Empower, Chemstation, Breeze, Microsoft office, Mendeley's reference manager, In- silico Pharmacokinetics predictor and molecular docking softwares

EDUCATION:

Savitribai Phule Pune University– M.pharmacy (Pharmaceutical Chemistry) From 2011 to 2013

- a) Dissertation: Analytical method development and validation of Cleaning Method at GlaxoSmithKline, Ltd.
- b) Academic Credentials: GPAT 2012 Qualified (AIR 1555)

PERSONAL SKILLS:

- Learning Attitude
- Adopt to change quickly
- Analytical Thinking
- Accuracy of Work
- Time management
- Ethical
- Good Communication Skills
- Leadership and Team Work

CAREER OBJECTIVES:

- a) To Seek Challenging position in a result oriented Organization where I can apply my knowledge, skills, and attitude to maximum and with dedications to achieve organizational goals.
- b) To enhance my knowledge and skills by working in organization so this will contribute to my personal development.