Meghana Mokashi

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Education

St. John's University
Doctor of Philosophy - PhD, Pharmaceutical Sciences — **Expected Graduation Fall 2027**

University of Mississippi School of Pharmacy
Master's degree, Pharmaceutical Sciences — **Jan 2020- Dec 2021**

All India Shivaji Memorial Society's College of Pharmacy, Pune
Bachelor of Pharmacy – Bpharm — **Aug 2014 – May 2018**

Experience

Graduate Assistant — **Jan 2022 - Present**
St. John's University

Student Worker — **Dec 2021-Dec 2022**
Coy Waller Lab, NCNPR, School of Pharmacy, The University of Mississippi

- Examined various techniques of plant *tissue culture for marijuana plant* and alternative techniques to short and long-term conservation of high yielding cannabis varieties.
- Investigated micropropagated plants for *secondary metabolites (Cannabinoids)* and genetic stability.

Internship — **Aug 2019 - Dec 2019**
Cure Medicines India Private Limited

- Studied different types of defects occur in tablets, capsule and syrup; Evaluation of tablets and syrup in various production batches with In-process Quality Control department.
- Handled numerous equipment in formulation department including different types of blenders, tablet-punching machine, homogenizers, mixers.
- Analyzed micro-organism level in raw material, water and air used in production area of the company.

Student Intern — **Jun 2016 - Jul 2016**
Sai Life Sciences Ltd

- Operated analytical tools such as HPLC, IR, chromatography to evaluate drug content and drug release profile.
- Controlled equipment used for capsule filling, sorting, polishing, and instruments used for packaging of the tablets and capsules.

Relevant Research Experience

1) *"Fabrication and characterization of ocular inserts by **Hot Melt Extrusion and 3D printing**"* focuses on optimization of immediate and sustain release ocular inserts.
2) *"Study of Different **2D QSAR Models** for Pharmacophore Optimization of 1,3,4-oxadiazole for Anti Tubercular Activity"* conducted to find out computer-based drug design for treating Tuberculosis
3) *"Development and Validation of **Stability Indicating HPTLC Method** for Estimation of Theophylline in Tablet Formulation"* demonstrated a simple, sensitive, and accurate stability indicating HPTLC method.
4) *"Evaluation of **Nootropic Activity** of Polyherbal Formulation on Laboratory animal"* interpreted the behavior of amnesia induced mice after introduction of polyherbal formulation.

Co-Curricular Activities

- Part of the organizing committee of Singing Event, AISSMS College of Pune. 2018
- Member of Blood Donation Camp 2015
- Represented team at Indian Pharmaceutical Association(IPA) 2017
- Completed Four Exams of Classical Music 2010
- Participated and got prizes in Group Singing Competition by Bharat Vikas Parishad 2011