

# SRILAKSHMI, M.Sc

#16/8, 4<sup>th</sup> Main, 4<sup>th</sup> Cross, BSK 3<sup>rd</sup> Stage

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## EXECUTIVE SUMMARY

**Biochemist and research expert** with 1.5 years of Research experience. A scientific Thinker who is highly organized, analytical, enjoys solving problems, and works well on teams.

## PROFESSIONAL SKILLS

- Leadership and Teamwork
- Interpreting and Presenting Results
- Configuring and Maintaining Lab Equipment
- Working with and Analyzing Data
- Preparing Specimens and Samples
- Testing and Process Development

## PROFESSIONAL SKILLS DEMONSTRATED

### IIPTA

July 2022 - Present

*Global platform for Intellectual property services and education.*

#### **Patent Analyst Intern**

Intellectual Property law, patent applications, Patent law, Patent searching, Patent Analysis, US patent, Intellectual Property right

### Jubilant Biosys Limited

January 2017 – May 2017

*A Contract Research Organization in India with ~ 1341 employees providing Comprehensive drug discovery and Contract research services*

#### **Project Intern**

Successfully contributed to the Structural Biology Team, working full time on Protein Crystallization and 3D structure determination and refinement of purified Protein.

#### **Protein Crystallization**

- Crystallization of protein through vapor diffusion method, sitting and hanging drop.
- Seeding Techniques, macro and micro seeding to enhance the crystallization.
- Screening experiments for identifying the crystal condition for an unknown protein and optimization of crystallization condition.
- Preparation of crystallization reagents

#### **Protein 3D Structure Refinement/ model correction**

- Structure Refinement using CCP4 suite
- Model correction using COOT

### Anthem Bioscience Private Limited

May 2014 – December 2014

A contract Research and Innovation Service provider with ~ 861 employees providing drug and new product development and manufacture with biology and chemistry based products and services.

#### **Scientist Trainee**

Worked on project entitled, "Antibacterial and Antifungal activities of Rhamnolipid."

**Description:** In the study, Rhamnolipid was extracted from *Pseudomonas aeruginosa* and Antibacterial studies were conducted against 20 different species of Bacterium. The molecule was also found to have Anti- Candida and Anti-Malassezia properties. P<sup>H</sup> and Temperature stability check was also conducted for the compound.

### **Techniques Learnt**

**Molecular biology techniques** - Agarose gel Electrophoresis, SDS PAGE, PCR, Isolation of genomic DNA.

**Biochemical techniques** - Enzyme studies, Rhamnolipid Estimations.

**Analytical techniques** - UV-Visible spectrophotometer, Ultra Centrifuge, Rotavapor, Titrations.

**Microbiological techniques** – Antibigram, Agar diffusion test, Bacterial Inhibition Assay (MIC), Enumeration of Bacteria, and Microscopy.

**Cell culture techniques** - Trypsinizing and sub culturing cells from Monolayer, Passaging cells in suspension culture, freezing cells; Thawing and recovering cells, Determining the cell number and viability

## **EDUCATION**

**Master of Science.** SRN ADARSH College, Bangalore University

- Overall percentage: 64.33%

**Bachelor of Science (BcGBt).** Sri Bhagawan Mahaveer Jain College, Bangalore University

- Overall percentage: 69.05%

## **AWARDS AND HONORS**

### *Awards*

- “Best outgoing student” in the year 2019 for securing top marks throughout the 4 semesters in masters.
- Top 10 Artist #MOTOWERTALENTSHOW AR USA 2020.

## **OTHER RELEVANT INFORMATION**

**Other Languages:** English, Kannada, Telugu

**Computer Skills:** MS Excel, Structure refinement tool CCP4 Suite, Model correction software COOT.

**Work Authorization:** Legal Permanent Resident (LPR) status in the India

