



Kalpana.S

B. Tech Biotechnology

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Pillayar kovil street

Kallampalayam, Tiruppur-641601

OBJECTIVE

As a Self-initiated person in seek of a platform to implement innovative and discovery oriented research techniques for the development of human race and environment. And also ready to have new challenges and learn new techniques to explore science.

ACADEMIC BACKGROUND

Course	Institution	Board /University	Year of Completion	Percentage / CGPA
B.Tech Biotechnology	Sri Shakthi Institute of Engineering and Technology	Anna University	2016-2020	6.76
HSC	Jaivabai Girls Higher Secondary School	State Board	2014	70%
SSLC	Rotary Matriculation School	State Board	2012	80%

AREAS OF INTEREST

1. Pharmaceutical Technology
2. Drug Discovery
3. Molecular Biology
4. Microbiology

CORE SKILLS

1. ELISA and Blood cells separation.
2. SDS PAGE and PCR.
3. Dialysis in Downstream Processing.
4. Protein Estimation and Quantification Tests.
5. Basic Microbiology and biochemistry techniques.
6. Basic Isolation Techniques (DNA, RNA, PLASMID)
7. Nanopore Sequencing.

COMPUTER SKILLS

Languages : C

Office Tools : MS Office

Databases : NCBI, PDB, Swiss-Prot

BIOINFORMATIC TOOLS

1. MEGA X
2. SWISS MODELLER
3. EMBOSS
4. CLUSTAL W
5. SWISS PDB VIEWER

KEY STRENGTHS

Possessing research skills in the laboratory environment with combined academic and practical knowledge to provide appropriate solutions and can quickly learn new field techniques if necessary. Has the ability to work either independently or as part of a team for an effective problem solving and analysis. Has good listening, reading abilities with good observation skills.

PROJECTS

Institution : Sri Shakthi Institute of Engineering and Technology

Duration : 3 Months

Project Title : **Insilico work of covid-19 isolates from china**

Institution : Sri Shakthi Institute of Engineering and Technology

Duration : 3months

Project Title : **Isolation of exosomes from Curcuma longa**

Institution : Sri Shakthi Institute of Engineering and Technology

Duration : 2 months

Project Title : **Designing Bioprocess Fermenter**

IMPLANT TRAININGS

Laboratory Name : Sunglow Biotech

Duration : 10 Days

Purpose : Training on plant tissue culture

Laboratory Name : Bharathiar University

Duration : 20 days

Purpose : Training on molecular techniques and downstream processing

Laboratory Name : Vellore Institute of Technology

Duration : 6 days

Purpose : Training on Next generation sequencing

CONFERENCES / WORKSHOPS

- Presented a poster on **Gene Silencing of Helicoverpa Armigera** in an **International conference on Bioscience and Bioinformatics** at Bharathiyar University
- Presented a poster on **Genome Editing using CRISPR Technology** in **Emerging trends in Biotechnology** held at BIT during 04-06 January 2018

- Completed the **Hands on Training Programme on Gas Chromatography & Mass Spectrometry – Basic Instrument Operation and Maintenance** at Centre for Ocean research, Sathyabama Institute of Science and Technology during 24th & 25th July 2019

ROLES AND RESPONSIBILITIES

- Organized National Conference on “Make In India For The Biotech Way

Forward-MIBWF 2019” held in association with SCSB at SSIET,

Coimbatore (30th -31st AUG 2019)

- Organiser of **Kalam-2019 and Kalam-2020**
- Member of Entrepreneurship Cell (E CELL) in SSIET.
- Organized a series of workshop and presentation in the core field.

PERSONAL DETAILS

Name: Kalpana S

Date of Birth: 17.03.1997

Father’s Name: Mr. D Sekar

Mother’s Name: Mrs. S Ilavarasy

Gender: Female

Nationality: Indian

Languages known: Tamil and English,

Hometown: Tirupur

DECLARATION

I do hereby declare that above particulars of information and facts stated are true, correct and complete to the best of my knowledge and belief.

S KALPANA