SIVAKKANI A

46,AGRAHARAM STREET, SUNDARAPANDIAM, VIRUDHUNAGAR DISTRICT, TAMILNADU, 626126, INDIA

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2000-05-09

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Objective

To obtain a job where I will get a chance to utilize my talents, creativity, and ability to the maximum and contribute to the growth of the organization as well as myself.

Education

B.Tech (Biotechnology), *Kalasalingam Academy of Research and Education*
CGPA - 7.56
2017 – 2021
Krishnankoil,
Virudhunagar district,
Tamilnadu., India

HSC, *Kalaimagal Higher Secondary School*
84.42%
2015 – 2017
Ramachandrapuram,
Virudhunagar district,
Tamilnadu., India

SSLC, *Kalaimagal Higher Secondary School*
97%
2014 – 2015
Ramachandrapuram,
Virudhunagar district,
Tamilnadu, India

Languages

English | Tamil

Research Interests

- Clinical Research and Development
- Biopharmaceutical Technology
- Animal Biotechnology
- Genetic Engineering
- Molecular Biology

Projects

Insilico and Functional Analysis of antibiotic resistant determinants in the genome of Streptomyces clavuligerus ATCC27064. 2020 – 2021
Analysis of antibiotic resistant determinants in the genome of Streptomyces clavuligerusATCC27064 by using various bioinformatics tools such as PROTPARAM, SOPMA, BLASTp, SWISSMODEL, Patchdock, Antibiotic disc diffusion assay and CARD.

Crop Specific VAM Fungi and Mass culturing 2019 – 2020
In terms of cost effectiveness, energy saving and environment friendliness, the concept of using VAM fungi as a biofertilizer. Studies involved to produce personalized bio-fertilizer for barnyard millet. The VAM-Fungi enhance the highest productivity and yield of the barnyard millet crop.

Publications

Insilico Analysis of antibiotic resistant determinants in the genome of Streptomyces clavuligerus ATCC27064., *Journal of Huazhong University of Science and Technology*
Analysis of antibiotic resistant determinants in the genome of Streptomyces clavuligerus ATCC27064 by using various bioinformatics tools such as PROTPARAM, SOPMA, BLASTp, SWISS MODEL, Patchdock and CARD.

Courses

In plant training on Laboratory services, *MEENAKSHI MISSION HOSPITAL AND RESEARCH CENTRE*

In plant training on proteomics and genomics, *CLINEBIOCARE TECHNOLOGY*

Skills

- Experience in Standard analytical, biological and wet chemistry laboratory equipment as well as experience in aseptic technique and other classical microbiology techniques.
- Good knowledge and expertise in upstream and downstream processing.
- Strong Organizational and Time – Management skills as well as good Oral and Communication skills.
- Basic User knowledge and understanding of Windows based Computer systems such as Microsoft office, with an ability to learn other computer based systems.

Lab Experiences

- Perform Immunological assays includes ELISA, Blotting and PCR.
- Conducts Downstream Processing related to concentration, separation and drying etc.,
- Perform Biochemical quantification assays with food samples and biological products.
- Responsible for Sample collection, Process monitoring, Data collection and Data recording.

Awards

International Conference on "RECENT TRENDS IN BIOTECHNOLOGY STRATEGIES FOR HEALTH AND ENVIRONMENT", *ADHIYAMAAN COLLEGE OF ENGINEERING.*

Declaration

I declare that the above particulars are true, correct and complete to the best of my knowledge. I am also confident of my ability to work in a team

SIVAKKANI A
SUNDARAPANDIAM