

## PUNNIYADHARSHINI.S

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### OBJECTIVE

Seeking to work in a firm with a professional work driven environment where I can utilize and apply my knowledge and Skills which would enable me as a fresh graduate to grow while fulfilling organization goals.

### PERSONAL DETAILS

Fathers Name	Mr. SOUNDARRAJ P.
Gender	Female
Date of Birth	27-07-1999
Languages known	Tamil, English
Nationality	Indian

### EDUCATION

Course	Institution	Board/ University	Completion By	Percentage
MSc Biotech	Sri Krishna Arts and science college	Bharathiyar university	2021	82.7* %
BSc Biotech	Sri Krishna Arts and science college	Bharathiyar university	2019	72 %
HSC	Swami Vivekananda Matriculation Higher Secondary School, Annur-641653	State Board	2016	82.1 %
SSLC	Swami Vivekananda Matriculation Higher Secondary School, Annur-641653	State Board	2014	94 %

\*CGPA up to 3<sup>rd</sup> semester

### SKILL DEVELOPMENT COURSE

Completed a NPTEL online course in Mechanobiology offered by IIT Bombay

Studied a certificate course in HPLC-MASS Technology for four days organised by Chemistry department in Karunya Institute of Technology and Sciences, Coimbatore

### PUBLICATION

vankavi D.V, punniyadharshini. S, Vinoth Kanna A , Nikitha Navin Mathew. 2020. "Isolation of the pigment producing Bacteria from the sea water and its characterization." *The International journal of analytical and experimental modal analysis*, XII (XII): 321.

## RESEARCH EXPERIENCE

### Screening of potentially antagonistic active soil Actinomycetes (2021)

Isolation of Actinomycete was done from soil sample, isolates were tested for antimicrobial activity, the potential isolate was taken for further process. Isolate was carried out with biochemical test, morphological analysis and physiological test. The Bioactive compound production was done by submerged culture method, compounds were extracted using ethyl acetate solvent. Solvent is characterized by UV Visible Spectral analysis, FTIR & GCMS analysis.

### Isolation of the pigment producing Bacteria from the sea water and its characterization (2019)

From sea water the pigment producing bacteria was screened and pure culture was taken for submerged culture method, the pigments were isolated and characterized by UV Visible spec and FTIR analysis.

### Bioethanol Producing Efficient Renewable Feedstock Production by Bacterial Isolates from Compost Soil (2018)

Isolation of cellulase producing bacteria was done from Compost soil. Cellulase enzyme producer was selected for the cellulolytic activity and production of Bioethanol was carried out using different substrates paper, leaves and grass.

## FAMILIAR TECHNIQUES

Isolation of Nucleic acids and its analysis, Isolation and culturing of microbes, Plant tissue culture techniques, Immunological Techniques, Biological synthesis of Nanoparticles.

Basic Knowledge in ANSCI Programming, Basic Knowledge in SPSS, MS word, MS power point

**INSTRUMENT OPERATIONAL KNOWLEDGE** - HPLC, PCR, Centrifuge, UV -VIS Spectrophotometer.

## INTERNSHIP

Kongunad Hospitals private Limited, Coimbatore

Accute Diagnostic Laboratory, Coimbatore

## INDUSTRIAL EXPOSURE

Spices Board (Ministry of Commerce & Industry, Govt of India)

Visited Lab land Biotech Private Limited, Mysore

Merit Biolabs, Kochi

## PAPER PRESENTATION/PARTICIPATTON

Presented oral paper in National conference on "Make in India for The Biotech Way Forward" held at Sri Shakthi Institute of Engineering and Technology, Coimbatore

Presented the paper in the National Conference on Bio revolution A promising Strategy held at Sri Krishna Arts and Science College, Coimbatore

Participated in the one-day National Conference on Ecological Impacts of Microbiome (NCEIM 2019-2020) held at Bharathiyar university, Coimbatore

Attended the ISCA one day International Seminar on Advances in Genomics and Proteomics held at Kongunadu Arts and Science College, Coimbatore

Attended the ICMR sponsored Seminar on "Mathematical Model of Stem cell Differentiation and Tissue Regeneration Using Stochastic Noise held at Sri Krishna College of Technology, Coimbatore

## **WORKSHOP ATTENDED**

Participated in National Workshop cum Training on "Phytochemicals Screening and their Analysis" conducted at Sri Krishna Arts and Science College, Coimbatore Organised by Department of Bioscience in collaboration with Make intern and Ecell (IIT Kharagpur)

Participated in the three days intensive National workshop on "Applications of chromatography, Thermal Analysis and Cyclic Voltammetry Techniques for Characterization of Biomolecules held at Bannari Amman Institute of Technology, Sathya Mangalam

Participated in the DeepChem 2017 three days Workshop in Deep Learning and NLP for Computational Chemistry, Biology and Nano materials held at Amrita Vishwa Vidyapeetham, Coimbatore

## **INTEREST**

Bio Process Technology  
Microbiology  
Cell Biology and Genetics  
Plant Tissue Culture

## **STRENGTH**

Optimist  
Decision Making  
Fast Learner  
Team working

## **DECLARATION**

I Punniyadharshini S, do hereby declare that the information above given is true to the best of my knowledge.

Place:

Date:

(punniyadharshini.S)

SIGNATURE