

CURRICULUM VITAE

K.Premraj

E-mail: premarh290519@gmail.com

Mobile No: (+91) 9790644116

CAREER OBJECTIVE:

Seeking a position to utilize my knowledge, skills and abilities in the industry that offers competitive environment, a true profession to put in the acquired knowledge and gain exposure to upcoming technologies while being resourceful, innovative and flexible

ACADEMIC PROFILE:

DEGREE	BOARD	INSTITUTION/ UNIVERSITY	YEAR OF PASSING	PERCENTAGE / CGPA
B.Tech Biotechnology	Anna University	University College of Engineering ,BIT Campus	2019	6.30
HSC	State Board of Tamilnadu	Kuyilappalayam Higher Secondary School	2015	88%
SSLC	State Board of Tamilnadu	Nirvana High School	2013	86%

PROFESSIONAL EXPERIENCE:

ORGANIZATION : Pondicherry Center for Biological Sciences and Educational Trust
DURATION : May 2019 to till date
KEY POSITIONS : Research Officer

TECHNICAL EXPERTISE:

Molecular Biology, Analytical and Separation Techniques:

- Isolation of DNA (Plasmid, Genomic) and RNA from Prokaryotes and Eukaryotes.
- Electrophoresis Techniques (AGE).
- Amplification of genomic DNA by PCR (Polymerase Chain Reaction) Method and Real Time PCR technique.
- DNA Fragmentation, DNA and RNA Quantification.
- cDNA synthesis.

Microbial Techniques:

- Media Preparation, Maintenance of bacterial, fungal strains.
- Plating techniques and Antibiotic sensitive test.
- Microbial Staining Techniques and Biofilm Assay
- Gene transformation in bacteria (*E.coli*).
- Biochemical test for bacterial identification (catalase, lactose, Glucose, Simmons citrate test, Triple sugar iron test, etc.,).
- Isolation, characterization and screening of microbes.

Biochemistry:

- Estimation of Carbohydrate, Protein, lipid and Nucleic acids.
- UV Spectrophotometric and Phytochemical analysis

Immunology:

- Hb cell count, WBC and Platelet count, Blood grouping (ABO) using Kit method,
- ELISA (Enzyme linked Immune sorbent assay) Test.

Cell culture:

- Media Preparation, Maintenance of adherent cell line.
- Animal cell counting techniques using haemocytometer.
- MTT Assay
- AO/EB Staining.

ACADEMIC PROJECT:

TITLE : Bioremediation of heavy metal in tannery sludge using *Staphylococcus arlettae*

DESCRIPTION : It was found that *Staphylococcus arlettae* reduces the amount of Chromium content present in the sludge.

AREA OF INTEREST:

- Microbiology
- Molecular Biology
- Biochemistry
- Cell culture
- Immunology
- Computational Biology

ACADEMIC ACTIVITIES:

- Participated in **Two** days industry workshop programme “BioEntree-16” at University College of Engineering , BIT Campus , Anna University.

- Participated in “University workshop on Digital India” conducted by NSS, Anna University, Chennai
- Participated in One-week Hands –on training program on “ Molecular Analytical Techniques in Biotechnology-2018” at UCE BIT, Anna University.

COMPUTER SKILLS:

- Microsoft Office and Graph pad prism.

STRENGTHS:

- Able to adapt any sort of situations.
- Confident about completing the work on time.
- Good knowledge of laboratory and instrumentation techniques.
- Sound knowledge in communication.
- Extremely disciplined, professional and punctual.
- Critical thinking and self-motivated

PERSONAL DETAILS:

Mother’s Name : K.Velvizhi
Date of Birth : 13-07-1997
Sex : Male
Marital Status : Unmarried
Languages known : Tamil, English
Nationality : Indian

REFERENCE:

1. Dr. K. Thirugnanasambantham, Senior Researcher, Seoul National University, Pyeongchang campus, South Korea. Email: thiru_dna@yahoo.co.in
2. Dr.V.I.Hairul Islam, Assistant Professor, Department of Biological Sciences, King Faisal University, Hofuf, Al Hasa, Saudi Arabia. Email: hairul2biot@gmail.com

DECLARATION

I solemnly declare that all the above furnished information is free from error to the best of my knowledge and belief.

Place : Kottakuppam (Tamilnadu)

Yours faithfully

(PREMRAJ K)