

## CURRICULUM VITAE

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### CARRIER OBJECTIVE:

With constant thrust to learn new things I equip myself to progress as a complete researcher. I can quickly grasp new concepts and employ these learning in my study for maximum productivity. I am cordial with my colleagues and employers and achieve the goals within the stipulated time.

### QUALIFICATION:

Institution & Location	Degree	Year	Percentage
Bharathidasan University, Tamilnadu	Ph.D. Biotechnology	2024	On-going
SIMPRA , Thanjavur, Tamilnadu	M.Phil Medicinal Plant Biotechnology	2010	94%
SASTRA University, Thanjavur	M.Sc(Biotechnology)	2009	88%
Bharath College of science and Management, Thanjavur	B.Sc(Biotechnology)	2007	78%
Sacred Heart Girls' Higher Second School, Thanjavur	HSC	2004	88%
Sacred Heart Girls' Higher Second School, Thanjavur	SSLC	2002	92%

### RESEARCH ACTIVITIES

**Ph.D. Research title** : **SCREENING OF BIOACTIVE COMPOUNDS FROM ENDOPHYTIC FUNGI FROM SOUTHERN PART OF WESTERN GHATS**  
(On-going)

### PUBLICATION:

- Isolation, optimization and purification of Alkaline Protease from *Bacillus subtilis* from trash fish hydrolysate, Indian journal of natural products May2024.,

## NUCLEOTIDE SEQUENCES SUBMITTED IN NCBI

- ✓ SUB14400911 *Collectotrichum gloeosporides* PP727120
- ✓ SUB14400911 *Aspergillus flavus* PP727121
- ✓ SUB14400155 *Bacillus subtilis* PP724043
- ✓ SUB14400155 *Paraburkholderia phytofirmans* PP724044

## DISSERTATIONS:

### M.Phil:

**Tissue culture of Bacopa Monneri by direct and indirect embryogenesis** at SIMPRA, Thanjavur.

### M.Sc:

**Remediation of Chromium from tannery effluent** at Central Leather Research Institute (CLRI), Chennai.

## TRAINING PROGRAMMES:

- **“Workshop on Electrophoretic & Immunological Techniques”** at P.G department of Zoology, Jamal Mohammed College, Trichy during 7<sup>th</sup> to 11<sup>th</sup> June 2006.
- Summer training on the topic **“Assay of Enzymes”** at Central Leather Research Institute (CLRI), Chennai during 3<sup>rd</sup> to 20<sup>th</sup> June 2008.
- Workshop on **Environment Pollutants and its control studies (Two Epics’09)** at Department of Environmental Biotechnology, Bharathidasan University, Trichy.
- Hands on training on **Animal cell culture techniques** at National college, Trichy during March 29 & 30- 2023.
- **Research facilities training program at ICER TVM** from 29<sup>th</sup> & 30<sup>th</sup> of June 2023.
- Workshop on **“Bioprospecting of Biofuels”** at SASTRA University

## NATIONAL /INTERNATIONAL CONFERENCES:

- One day National level Seminar on recent trends in Zoology in Jamal Mohammed College, Trichy.
- One day National Seminar on Thrust areas in Biotechnology, Bishop Heber College, Trichy.
- International conference on banana (ICB-2020) by National Research Center for Banana, Trichy.

## POSTER/ PAPER PRESENTATIONS:

- Poster presentation on **BANANA PROTOPLAST ISOLATION AND CULTURE** at ICB 2020\_ NRCB, Trichy

## AREAS OF INTEREST

- Plant tissue culture
- Somatic hybridization
- Extraction of plant and microbial secondary metabolites.
- Endophytic microbial studies

## **SCIENTIFIC and TECHNICAL SKILLS**

- Expertise in Endophytic Microbial community isolation and characterization
- Experience in handling banana suckers for micropropagation
- Maintenance of banana Embryogenic Cell Suspension cultures
- Experienced in plant and fungal phytochemical analysis
- Experienced in microbial sampling and culturing techniques.
- Experienced in Microscopic techniques
- Expertise in FACS (ploidy analyser)
- Experienced in DNA extraction and PCR amplification

## **COMPUTER SKILLS**

- Microsoft Office

## **PERSONAL PROFILE**

Date of birth : 24.09.1987  
Gender : Female  
Husband's Name : B.John Kennedy  
Nationality : Indian  
Religion : Christian  
Languages Known : English, Tamil & Hindi (Reading & Writing)  
Residential Address : 3/115, East Street, Navalur Kuttapattu  
Trichy-9, Tamilnadu, India

## **DECLARATION**

Herewith, I Ms.S. Vanmathi Vidhyashini declare that all the information furnished above is accurate to the best of my knowledge.

Yours sincerely

**(S.Vanmathi Vidhyashini)**