

# **CURRICULUM VITAE**

S.Crosswin  
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## **Objective**

- To achieve a unique position in research and teaching field which enables me to work with the latest technologies, where I can continuously enhance my skills and contribute to the growth of the organization to the best of my potential.

## **Working experience**

- 2018 to till date- Assistant professor, Dept. of Biotechnology, Microbiology and Bioinformatics, National college, (Autonomous) Trichy-1

## **Educational qualification**

- 2023-Ph.D On-going
- 2018-2020 Master of philosophy in Biotechnology (M.Phil.)
- 2013-2014 PG Diploma in Bioprocess technology (PGDBPT)
- 2007-2009 Post graduate in biochemistry (M.Sc.,)
- 2004-2007 Under graduate in biochemistry (B.Sc.,)

## **Curriculum projects**

- Qualitative Analysis of Sea Food industry Products (2007)
- Isolation and Screening of *Salmonella* sps. from various food products using RAPD technique. (2009)
- *In vitro* Organogenesis, Morphogenesis and Epiphyllous secondary bud induction in *Kalanchoe tubiflora* (2020)

## **Seed money project**

- To study the effect of Coelomic Fluid from *E.eugeniae* earthworms on growth and protein expression in *Oryza punctata* plants (2023 on-going)

## **Publications**

### **Book chapters:**

1. Molecular cloning and CRISPR Techniques in Fish Lectin research (2022). *Aquatic Lectins: Immune Defense, Biological Recognition and Molecular Advancements*. Springer Nature. ISBN 978-981-19-0431-8 pg no 357-380
2. Future Perspective of Fish Lectin Research *Aquatic Lectins: Immune Defense, Biological Recognition and Molecular Advancements*. Springer Nature ISBN 978-981-19-0431-8 pg no 381-388

### **Technical expertise**

- Molecular Biology Techniques
- Bioprocess Techniques (5lit and 3lit Stirred Tank Reactor)
- Lyophilizer
- Protein Analysis (SDS-PAGE)
- Microbiological & Biochemical Assays
- Plant tissue culture (Micropropagation, Callus induction, Direct and indirect organogenesis)
- Fish cell culture techniques (Primary and Secondary cell culture, Cryopreservation, MTT assay)
- Animal Cell Culture

### **Hands on Training Attended**

- National level workshop cum Training programme on fermentor organized by the National Institute of Food Technology, Entrepreneurship and Management – Thanjavur (NIFTEM-T) on Nov 2022
- “DBT – Sponsored National Workshop on Hands-on Training on Fish Cell Culture Techniques: Development and Applications” held at Aquatic Health Laboratory, PG & Research Department of Zoology, C. Abdul Hakeem College, Melvisharam From 13<sup>th</sup> to 18<sup>th</sup> March, 2023
- One Day Hands on Workshop on Histopathological Techniques 2024 Organized by Department of Biochemistry, St. Joseph College, Trichy on 27<sup>th</sup> feb 2024

### **FDP Attended**

- 10 days Online Faculty Development Program on Marine Bio and Nanotechnology from Dec 1<sup>st</sup> to 10<sup>th</sup> 2021

- Faculty Development Program on GENE CLONING from 4th December to 8th December 2023.
- One week online Faculty Development Program on “Current science and Development in Nano biotechnology” from 29<sup>th</sup> jan to 2<sup>nd</sup> feb 2024

### **Workshop conducted**

<b>S.No</b>	<b>Name of the Event</b>	<b>Name &amp; Designation of resource person</b>	<b>Date</b>
1.	Wine production	Prof. S. Crosswin and Prof. k. Varuna	Oct 2019
2.	Hands on Workshop on Clinical Andrology	Mr. L. Shamsheer Head of Embryology Department, Adoor	21.12.2022
3.	Hands on workshop on Bioreactor Operations	Prof. S. Crosswin	04.03.2023
4.	Hands on Training on Bioreactor Operations and Enzyme Technology	Prof. S. Crosswin	01.12.2023

### **Personal profile**

Date of Birth : 05-06-1986  
 Sex : Female  
 Nationality : Indian  
 Community : Christian  
 Marital Status : Married  
 Languages Known : Tamil & English

### **DECLARATION**

I hereby declare that all the above-furnished information's are true to the best of my knowledge and belief. Kindly give me an opportunity to serve in your esteemed organization for prosperous growth, I shall be very grateful to you and promise to deliver my best.

Thanking You

Yours Sincerely,

Place: Trichy

Date:

(S.CROSSWIN)

**References:**

**Dr. M.N Abubacker,**

Associate professor,

PG and Research Department of Biotechnology and Microbiology,

National College, (Autonomous)

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