

**S.ARTHI**  
[arthi.shanmugam@yahoo.com](mailto:arthi.shanmugam@yahoo.com)

### **Objective**

I wish to have a career that is challenging, providing knowledge, enabling creativity, value adding, which has the embedded features of freedom of thought. Research fits the bill with active participation in teaching and learning.

### **Current Status**

Worked as an Assistant Professor in the Department of Biotechnology at Cauvery College of Women, affiliated to Bharathidasan University, Trichirappalli from June 2008 to March 31<sup>st</sup>, 2019.

### **Future Goals**

Establishing a successful career in Research with active contribution to Education and Development.

### **Strengths**

Strong academic background, Sense of team work, Integrity and ability to put in sustained quality effort consistency.

### **Academic details**

S. No.	Std / Degree	Class /Grade	Year of passing	College/University
1.	SSLC	I	1999	Kendriya Vidyalaya No-1 (CBSE), Trichy
2.	HSC	I	2001	Kendriya Vidyalaya No-1 (CBSE), Trichy
3.	B.Sc (Chemistry)	I with D (Distinction)	2004	Holycross College, Trichy
4.	M.Sc (Biotechnology)	I with D (Distinction)	2006	Holycross College, Trichy
5.	M.phil (Biotechnology)	I	2007	Bharathidasan University, Trichy.

## **Dissertation / Thesis**

### **M.Phil Project work**

**Title:** “Regeneration and *Agrobacterium* Mediated Transformation Studies in *Ipomoea batatas*” in the Department of Molecular plant biology at Bharathidasan University, Trichirappalli under the guidance of Dr.Ganapathy.

### **M.Sc Project work**

**Title:** “Cloning and Amplification of DNA Component-1 in Banana bunchy top virus” in the Department of Virology, National Research Centre for Banana, Thayanur, under the guidance of Dr. R. Selvarajan.

## **EXPERIENCE**

### **Research**

- Eight months experience in virus testing and molecular cloning expression and purification of expressed proteins at National Research Centre for Banana, under the guidance of Dr.R. Selvarajan, Thayanur.

### **Teaching**

- Worked as an Assistant Professor in the Department of Biotechnology at Cauvery College for women, Affiliated by Bharathidasan University, Annamalai Nagar, Trichirappalli- 620018, TN, India.

### **Subjects Handled:**

- Teaching for Undergraduates, Expertise in Molecular Biology, Plant tissue culture, Genetic Engineering, Plant Biotechnology, Animal Biotechnology, Recombinant DNA technology, Molecular Genetics, Bioinoculants, Bioinformatics Immunotechnology, Microbial biotechnology.

### **Date of Joining**

June 16, 2008 to March 31<sup>st</sup>, 2019.

### **Training/Conferences/Seminars Attended:**

1. **National Conference:** On Futuristic Biosciences and Research, Dept. of Biotechnology, Holy Cross College, Tiruchirappalli, Nov.2004

On Recent trends in Biotechnology-Bishop Heber College,  
Tiruchirappalli, 2009.

2. **Winter Training:** On Pharmacokinetics, Dept. of Pharmacokinetics, Periyar College of  
Pharmaceutical Science,Tiruchirappalli, Dec, 2005.(Ten days)

3. **Summer Training:** On Animal Genetics & Breeding, Tamilnadu Veterinary and Animal  
Sciences University, Madras Veterinary College, Chennai-7, (One  
month) May 2006.

4. **Seminars:**

S. No	Title of the Conference / Seminar / Workshop	LEVEL	Organization Name	Date	Place
		State / National / Internatio nal			
1.	Recents advances in Biotechnology	National	Bishop Heber College	18 <sup>th</sup> March, 2010.	Trichy
2.	“Prospects & Retrospects in Microbial technology	National	Cauvery College For Women	Feb 17 <sup>th</sup> &18 <sup>th</sup> , 2012.	Trichy
3.	Three day “Science Academies Lecture Workshop on Thrust areas in Life Sciences”	National	Cauvery College For Women	Jan 31 <sup>st</sup> - Feb 2 <sup>nd</sup> , 2012	Trichy
4.	Five day DST Sponsored Summer Science camp for School Children (INSPIRE)	State	Cauvery College For Women	July31st-Aug 4 <sup>th</sup> , 2013	Trichy
5.	“Three day Science Academies Lecture Workshop in Advances in Biology” (ADBIO)	National	Cauvery College For Women	Sep10 <sup>th</sup> -12 <sup>th</sup> 2014.	Trichy
6.	Three day Science Academies Lecture workshop on “Current Developments in Biology, Biotechnology & Evolution” (BIOEVOLVE).	National	Cauvery College For Women	Sep 26 <sup>th</sup> -28 <sup>th</sup> . 2016	Trichy

7.	“Global Food Security and the Role of Biotechnology in Sustainable Food Systems and Nutrition”	National	St. Joseph’s College	5 <sup>th</sup> Jan, 2017	Trichy
8.	“Large Scale Multi disciplinary systems of National Significance -Trends & Challenges.	National	Sathyabama Institute of Science and Technology,	April 20 <sup>th</sup> & 21 <sup>st</sup> 2018.	Chennai
9.	“Workshop on Computer Aided Drug Discovery: Current approaches and Insights”	National	Bioinformatics Division-Athmic Biotech Solutions.	August 11 <sup>th</sup> &12th,2018	Kerala
10	Advances in Biosciences(ADBIS 2K18)	National	Cauvery College For Women	Sep 27-29, 2018	Trichy

**Linguistic Ability:**

Language: English	-	( Read, Write, Speak)
Hindi	-	( Read, Write, Speak)
Sanskrit	-	( Read, Write)
Tamil	-	(Speak)

**Area of Interest**

Plant Molecular Biology, Plant Tissue Culture, Recombinant DNA Technology, Herbal Drug Research, DNA Fingerprinting & Genetics.

**Technical Skills**

**Molecular Biological Techniques**

Transformation, Cloning Techniques, Gene expression techniques

**Separation Techniques**

Gel electrophoresis techniques, PAGE, Chromatography techniques - TLC.

<b>Immunology</b>	ELISA, Various Immuno diagnostic assays.
<b>Microbiology</b>	Biochemical assays
<b>Plant Biotechnology</b>	Gus assay, Agrobacterium mediated Transformation
<b>Plant Tissue Culture</b>	Direct and indirect organogenesis.
<b>Bioinformatics</b>	Auto docking

**Any other relevant information :**

- **A Life Time Member** in ISSE (Indian Society of Systems for Science & Engineering), Satish Dhawan space Center, ISRO, Sriharikota.
- Participated in Three day Skill Based Training Programme on **e-Literacy** Conducted by ICT Academy of Tamilnadu at CCW, on 18<sup>th</sup>-20<sup>th</sup>, Aug 2011.
- Attended the **Kayakalpa Course** Organized by the World Community Service Centre, Chennai at Cauvery College for Women on 1st April, 2011.
- Participated in Two day “**Ulchemy Programme**” held at Cauvery College
- Presented Paper and got the **Best paper award** in National conference organized by ISRO, Sriharikota 2018.
- Selected as **PhD student** with scholarship and Fellowship in Molecular Biology under professor Hau ren at **National Cheng Chung University Taiwan**, 2019.

**Personal Details**

Date of Birth: 11<sup>th</sup> Nov, 1983

Father's Name: R. Shanmugam

Nationality: Indian.

**Declaration:**

I hereby declare that all the information furnished above is true to the best of my knowledge.

**S.ARTHI**