**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 31st, 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**

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| --- | --- | --- | --- | --- |
| **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*

*batatus*” 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 Univerisity, 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 31st,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 /**  **International** |
| 1. | Recents advances in Biotechnology | National | Bishop Heber College | 18th March,  2010. | Trichy |
| 2. | “Prospects & Retrospects in Microbial technology | National | Cauvery College For Women | Feb 17th&18th,  2012. | Trichy |
| 3. | Three day “Science Academies Lecture Workshop on Thrust areas in Life Sciences” | National | Cauvery College For Women | Jan 31st \_ Feb 2nd,  2012 | Trichy |
| 4. | Five day DST Sponsored Summer Science camp for School Children (INSPIRE) | State | Cauvery College For Women | July31st-Aug 4th,  2013 | Trichy |
| 5. | “Three day Science Academies Lecture Workshop in Advances in Biology” (ADBIO) | National | Cauvery College For Women | Sep10th-12th  2014. | Trichy |
| 6. | Three day Science Academies Lecture workshop on “Current Developments in Biology, Biotechnology & Evolution” (BIOEVOLVE). | National | Cauvery College For Women | Sep 26th-28th.  2016 | Trichy |
| 7. | “Global Food Security and the Role of Biotechnology in Sustainable Food Systems and Nutrition” | National | St. Joseph’s College | 5th Jan, 2017 | Trichy |
| 8. | “Large Scale Multi disciplinary systems of National Significance -Trends & Challenges. | National | Sathyabama Institute of Science and Technology, | April 20th & 21st  2018. | Chennai |
| 9. | “Workshop on Computer Aided Drug Discovery: Current approches and Insights” | National | Bioinformatics Division-Athmic Biotech Solutions. | August 11th&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.

**Immunology** ELISA, Various Immuno diagnostic assays**.**

**Microbiology** Biochemical assays

**Plant Biotechnology** Gus assay, Agrobacterium mediated

Transformation

**Plant Tissue Culture** Direct and indirect organogenesis**.**

**Bioinformatics** 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 18th-20th, Aug 2011.
* Attended the **Kayakalpa Course** Organized by the World Community Service Centre, Chennai at Cauvery College for Women on1st 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: 11th 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**