

## Tamilarasu S

**Address:** 371, Kadampatti (vill), Thippampatti (po), Karimangalam (Tk.), Dharmapuri (Dt.) - 635202

**E-mail:** arasutamil48@gmail.com; **Contact No:** +91 9043192213

### **CAREER OBJECTIVE:**

To continuously strive for higher achievement in life and to establish myself as a perfect professional and to accept challenging work for advancement of organization and society.

### **ACADEMIC PROFILE:**

| COURSE                                | INSTITUTION  | BOARD/UNIVERSITY         | YEAR OF PASSING | AGGREGATE  |
|---------------------------------------|--|--------------------------|-----------------|------------|
| M. Tech (Nano Science And Technology) | Anna University – ACT campus, Chennai                | Anna University, Chennai | 2018            | 8.6 (CGPA) |
| B.E(Bio-Medical Engineering)          | PSNA College of Engineering and Technology, Dindigul | Anna university, Chennai | 2016            | 7.9 (CGPA) |
| Higher Secondary                      | Annai Matric Higher Secondary School, Harur          | State Board              | 2012            | 85%        |
| SSLC                                  | Adhiyaman Govt. Boys HSS, Dharmapuri                 | State Board              | 2010            | 87%        |

### **WORK EXPERIENCE:**

**Company:** Jubilant Ingrevia Limited

**Designation:** Senior Research Scientist – R&D

**Period:** Oct 2023 to till date

#### **Roles and Responsibilities:**

**Primary Role:** Research and product development for Personal care application and Industrial application.

- Combination of antimicrobial active with zinc pyrithione formulation for antidandruff shampoo, skin care creams and lotions.
- Emulsions formulation for product enhancer application.
- Surfactant based cleaning formulation.
- Preservatives for lubrication and rust preventive fluids formulation
- Formulation of zinc pyrithione based composition for industrial and personal care application.
- Synthesis of antimicrobial active (Zinc pyrithione)
- Formulation of paint additives, preservatives
- Analytical testing, application study, customer trials of developed products.
- Active participation in scale up process from lab scale to bulk production
- Supporting and troubleshooting existing products portfolio.

**Company:** Resil Chemicals Private Limited

**Designation:** Senior Research Associate – R&D

**Period:** June 2018 to Oct 2023

**Roles and Responsibilities:**

**Primary Role:** Research and product development for home care and auto care applications (interior and exterior surface cleaning, Lubrication, Rust preventing fluids, Abrasive/rubbing compound, Antimicrobial products, coating and air fresheners)

- Developed Aqueous and solvent based cleaning composition.
- Developed personal care products like hand sanitizer, hand wash.
- Developed a home care product (Surfactant, air freshener and antimicrobial products)
- Developed silicone emulsion-based formulation.
- Developed various ranges of cleaning composition.
- Developed hydrophobic coating composition.
- Developed air freshener spray, Water based gel freshener and Solvent based gel freshener formulations.
- Developed Lubrication/rust preventing fluid composition.
- Developed antimicrobial cleaning and sanitizing products.
- Analytical testing, application study, customer trials of developed products.
- Active participation in scale up process from lab scale to bulk production
- Following good lab practices, EIA, HIRA and all safety precautions.
- Supporting and troubleshooting existing products portfolio.
- Competitive products analysis, application and validation studies.
- Maintain product stability record and documents preparation.

**INTERNSHIP AND TRAINING:**

**INTERNSHIP:**

**Company:** Resil Chemicals Private Limited

**Designation:** Research Intern – R&D

**Period:** Dec 2017 to May 2018

**Roles and Responsibilities:**

- Literature survey on methodologies, synthesis and procedures of Nanomaterials.
- Understanding on the possibilities and feasibility of incorporating Nano techniques into existing stream efficiently without disturbing the streamline flow.
- Deriving new car cleaning composition with Nanomaterials.

**TRAINING:**

- Completed the basic awareness training on “Social Accountability Standard – SA8000”
- IMS and ISO9001:201, HIRA and EIA

## **ACHIEVEMENTS:**

- Organized and launched a new Research and development center.
- Developed sustainable bio-based formulation for surface cleaning.
- Developed antimicrobial composition during COVID in short period of time.
- Developed cost effective emulsion for leather polish.

## **PUBLICATION:**

- “**Curcumin-Loaded Chitosan Sensing System for Electrochemical Detection of Bilirubin**”, Sensor Letters, Vol. 17, 1–9, 2019, **Tamilarasu Sivalingam**, T. Devasena, Nibedita Dey and Uma Maheswari.
- “**A Comparative evaluation of Graphene oxide-based materials for Electrochemical non-enzymatic sensing of Curcumin**”, Materials Research Express, 21 Feb 2018, Vol 5, No:2, Nibedita Dey, T Devasena and **Tamilarasu Sivalingam**.

## **CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:**

- Attended CPHI and PMEC Exhibition for personal care and pharma ingredients, India expo center, Greater Noida.
- Attended a Conference on Automotive Aftermarket Theme: Synergizing mobility for sustainable future in Auto serve expo 2018, Chennai trade center.
- Attended a national seminar on recent advances in nanoscience and technology (Nanomeet- 2016) in Anna University, Chennai.
- Attended a “Leadership training seminar” conducted by Rotary Club of Dindigul Rock fort.

## **STRENGTH:**

- Self confidence
- Planning and organizational skills
- Team work

## **REFERENCES:**

**Dr. Indumathi Ramakrishnan**  
Director - Research and Technology  
Filtrex Technologies Pvt Ltd.  
Bangalore, Karnataka.  
Email: Induramki75@gmail.com

**Mr.Ganesh Srinivasan**

Chief Executive Officer  
Resil chemicals Pvt Ltd  
Bangalore. Karnataka.  
Email: [ganesh@resil.com](mailto:ganesh@resil.com)

## **PERSONAL PROFILE:**

|                 |                                     |
|-----------------|-------------------------------------|
| Name            | : TAMILARASU.S                      |
| Father's name   | : SIVALINGAM.E                      |
| Age             | 30                                  |
| Date of birth   | : 27-02-1994                        |
| Languages known | : ENGLISH, KANNADA, HINDI, TAMIL    |
| Nationality     | : INDIAN                            |
| Hobbies         | : Gardening, listening melody songs |

### **Declaration:**

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

Date : \_\_\_\_\_

Place : \_\_\_\_\_ [TAMILARASU.S]