

Tamilarasu S

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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 trails 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

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]