



Eswaran M

M.Sc Chemistry

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Erode-9, Tamil Nadu, India 📍

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Optimistic research chemist with **curiosity** to learn new things

RESEARCH EXPERIENCE (2YRS)

Research Chemist (1 yr 8 mos)

R&D - Kanoria Chemicals & Industries Ltd

05/2019 - Present

Visakhapatnam, India

Achievements/Tasks

- Carrying out Kilo scale experiments on **Polymer resins** (powder & Liquid) synthesis and trouble shooting techniques
- Explored in Bench marking, Characterization and **New product development** activities
- Successfully developed resins formulations for **Insulating varnish, Coatings, Adhesives, Refractory applications**
- **Supported production** in standardizing new products.
- Hands on experienced in operations of **TGA, DSC, RI, FTIR, UV, GPC, GC-FID, H-NMR, KF Moisture analyzer, Viscometers, UTM, Mechanical strength machines.**
- Responsible for Lab note, stocks of Lab Chemicals, **SOP/ STP**, ISO compliance, Stage gate documentations, and **SAP** recipe creation.
- Explored Literature study, Research tools using **DOE**, **Scifinder and QC tools**

Reference: Mr. Hemakumar (Manager- Technical Services) -
hema.kumar@kanoriachem.com Tell no.:+91 8897819393

Summer Research Fellow (2 mos)

IISER-Thiruvananthapuram

05/2018 - 07/2018

Thiruvananthapuram, India.

Dr. Ramesh Rasappan group (Asymmetric organic synthesis Lab)

Learnings

- Organic synthesis, **Column Chromatography, TLC**, UV-visible spectroscopy and IR Analytical techniques

EDUCATION

M.Sc. Chemistry (7.41GPA)

Sri Ramakrishna Mission Vidyalaya College of Arts & Science (Autonomous)

06/2017 - 05/2019

Bharathiar University, Tamil Nadu

M.Sc Thesis (Computational Chemistry)

- Modeling and Docking studies of Biphenyl derivatives with GPR120 and GPR40 (Diabetics drug development)

B.Sc. Chemistry (8.03 GPA)

K. S. Rangasamy College of Arts & Science (Autonomous)

06/2014 - 05/2017

Periyar University, Tamil Nadu.

HSC (PCMB group) (78.6%)

Sengunthar govt boys higher Secondary School

05/2012 - 06/2014

Erode, Tamil Nadu

SKILLS EXPLORING

GLP

Pilot plant Operations

Paints

Phenolic, Furanic and Epoxy resins

QC tools

MS Office

Organic synthesis

Presentation

Poka-Yoke, Kaizen, 5S systems

HONORS

Certificate of Appreciation from Business Head

For resolved crucial customer complaint using DOE at KCIL

Best Poster Award (02/2019)

Recent Trends in Chemistry-19 (National level Conference)

Academic proficiency award (2018)

1st Rank in M.Sc chemistry in the 2018 academic year

Best outgoing student (2014 - 2017)

Dept of Chemistry (KSR CAS)

CERTIFICATES

How to write and Publish Scientific paper (08/2020 - Present)

Project oriented course from Ecole polytechnique university through Coursera

Paint Technology

Udemy Online learning platform

3D printing basics (04/2020)

Edapt online learning platform

Frontiers in spectroscopy

2 days lecture workshop by Science academics

LANGUAGES

Tamil

Native or Bilingual Proficiency

English

Full Professional Proficiency

Telugu

Limited Working Proficiency

Hindi

Elementary Proficiency

PERSONAL DETAILS

DOB: 10/10/1996

Age: 24yrs

Father name: Murugesan G, Mob: 9688659767

Strength: Creative, Positive attitude, Team player

Hobbies: Meme creation & Cooking