

SHAMMAS THALI PPARAMBAN

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🌐 <https://www.linkedin.com/in/shammastp777> 🇮🇳 Indian

PROFILE

To establish myself as an Expert in the field of chemistry/polymers by contributing my skills and experience to the organization's growth, in turn, ensuring personal and career growth within and outside. almost **6 years** of experience in the Chemistry/Polymer chemistry field. Always looking to learn new skills, take on extra responsibilities, and grow professionally.

PROFESSIONAL EXPERIENCE

Quality control inspector

Amiantit Oman LLC. 🌐

10/2021 – present
Muscat, Oman

- **Quality assurance** and troubleshooting of **Extruded** HDPE, PE-RT, PP, PPR oil, gas & water supply pipes and **Injection molded** fittings based on **ISO, ASTM, DIN** and **API** standards.
- **Raw material** analysis of Borouge, Sabic, Lyondellbasell and Thasnee materials.
- Water tank dimension, visual and leak test inspection.
- **HDPE lining of CS pipe spools** inspection and documentation.
- Tensile strength test, Melt flow index (MFI), Density, Oxidation induction, Pressure test, Carbon black content test, and Bend test.
- **Butt fusion welding and Extrusion welding** Inspection of Polymer extruded pipes and water tanks.
- Interaction, testing and inspection assisting with third-party inspectors(TPI)
- Making test certificates for product dispatch to clients.
- Working under **ISO 9001:2015, 45001:2018 and 14001:2015** QMS standard certified laboratory.

Project Assistant

CSIR- NIIST 🌐

01/2019 – 03/2021
Trivandrum, India

- **Research and development** of large-scale production of acoustic panels from **polymer composite of natural fiber** and **epoxy** using various instruments and processing techniques (**Patent** in process).
- Handling various molding techniques (**Injection, Extrusion** and **Compression** molding), Chemicals and Polymers.
- **Polymerization** of low molecular weight acrylic acid for water purification.
- Impedance tube handling (**Bruel & Kjaer**), sound absorption tests in different conditions.
- Fourier Transform Infrared Spectroscopy, U V-Vis Spectroscopy.
- Dealing with different types of **Laboratory instruments** (Optical microscopy, Viscometer, Analytical balance, Universal tensile machine, Vacuum Oven, Rota vapor, pH meter, Moisture analyzer, sonicator).
- Created PowerPoint **presentations** project development.
- Assembled and organized facts, data, and information of programs as background intel for meetings, hearings, briefings, and reports.

Quality control inspector

Motherson sumi systems ltd

08/2016 – 12/2016
Bengaluru, India

- Inspect and analyze manufactured defects of automobile products (interior parts of **Toyota** cars) produced from injection molding machines and make reports to the production department. QC methods like **Kaizen** and **6 Sigma** were used.
- Making reports based on the inspection

EDUCATION

PG Diploma in polymer processing and testing

CBPST- CIPET

08/2015 – 01/2017
Cochin, India

- Including industrial training.

BSc. Polymer Chemistry

NAM College, affiliated to Kannur University

06/2012 – 05/2015
Kannur, India

- Project on Caffeine content percentage of Tea powders available in the market for consumers.

SKILLS

- Quality assurance and Quality control
- Research and Development
- FTIR, UV- Vis, MFI, Mechanical testing
- Laboratory maintenance
- Raw material analysis
- Polymer processing and testing
- Inspection, testing, analysis of products
- Technical documentation and test certification
- MS office and Presentations

PATENT

Flame Resistant, Self-Supporting, And Eco-Friendly, Room Acoustic Panels From Coir Fibres For Noise Reduction.

IN 0208NF2022

01/2023
Trivandrum, India

PUBLICATIONS

Shammas T P, Prasad VS, Acoustic coir composites for low frequency sound absorption, Coir Kerala 2021, International conference 16-21 Feb 2021, Alleppey, Kerala.

Coir Kerala 2021, International conference 16-21 Feb 2021, Alleppey, Kerala.

Ben John, Shammas T P, Prasad VS, Green coir composites from coir fibres

Coir Kerala 2021, International conference 16-21 Feb 2021, Alleppey, Kerala.

Akhil Madhavan, Shammas T P, Anju P, Prasad VS Acoustic coir composites for noise cancellation,

Coir Kerala 2019 international conf., Dec 4-8,2019, Alleppey, 2019

CERTIFICATES

- Auto-CAD in Mould Designing

LANGUAGES

ENGLISH



HINDI



MALAYALAM



TAMIL



ARABIC



REFERENCES

Dr. V. S. Prasad, CSIR-NIIST, Trivandrum, India.

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Dr. Thomas. O. Varghese, CIPET: IPT, Chennai, India

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DECLARATION

I genuinely declare that all the facts mentioned above are true to my faith, and I am answerable for its accuracy.

SHAMMAS THALI PPARAMBAN