

NIMMU SOSAMMA JOHN

Paint Technologist
Chemical Engineer



My goal is to work in a professional setting where I can enhance the company's standing and optimize the working process through automation

Experience

2023 - Current

R&D Chemist at OPTICHEM Specialties FZE, Jebel Ali, Dubai

Superior proficiency in formulating and synthesizing diverse binders, emulsions, pigments, additives, paints.

Expertise in evaluating coatings, additives, driers, and paint application on various substrates through a range of testing techniques.

2017 – 2023 (6 Years)

Contract Chemical Engineer at VSSC, ISRO, INDIA

Excellent technical proficiency in using and managing a wide range of equipment, including roller pot mills, rotary flash evaporator, drying time recorders, paint booths, distillation units, UV curing apparatus, high speed dispersers, film applicators, wet abrasion scrub tester, colour gardener etc.

Achievements

- Developed Anti-static- low solar absorptivity white thermal control coatings for LVM3 application (In Chandryan 3 mission).
- Developed waterborne PU emulsion paint for launch vehicle application.
- Developed UV Curable PU coating for space craft application.
- Developed Black and White paints exclusively for satellite application.
- Developed PU and silicone white conductive coating for launch vehicle application.
- Synthesized different binders and pigments via various methods exclusively for paint production.
- Synthesized different additives and driers for paint.
- Synthesized various transition metal doped metal oxide powders.

Education

2011 – 2015

**B. Tech in Biotechnology and
Biochemical Engineering
/Chemical Engineering Equivalent**
Kerala University

Skills

- ✓ Strong background and enthusiasm for searching literature, conducting research and development and coming up with novel ideas.
- ✓ Effective verbal and written communication abilities.
- ✓ Personality, willingness to learn and adapt, diligence, willpower, and self assurance.
- ✓ Effective resource use, capacity to adhere to guidelines and criticism, and strong documentation abilities.

Contact

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