

ATHIRA VIJAYAN

RESEARCH & DEVELOPMENT CHEMIST

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SUMMARY

A dedicated and detail-oriented Laboratory Chemist with 1+ years of experience in formulation, product development, and quality control in the chemical industry. Skilled in laboratory equipment calibration, chemical analysis, and problem-solving. Seeking to contribute to your organization's success by leveraging my expertise in analytical chemistry and process optimization.

WORK EXPERIENCE

ATLANTIC CARE CHEMICALS PVT.LTD

Sep 2023 - Present

- Conduct chemical formulation and product development for garment processing, laundry care, hygiene, and sanitization chemicals.
 - Perform calibration of lab instruments such as pH meters and TDS meters to ensure accurate measurements and compliance with standards.
 - Lead chemical analysis for quality assurance, including testing and monitoring processes for coatings and chemical products.
 - Collaborate with cross-functional teams to address quality issues and improve product consistency.
 - Prepare detailed reports for senior management, providing insights into product performance and process improvements.
 - Maintain strict adherence to safety protocols and laboratory best practices.
 - Reporting to Quality manager, Technical Director & Dire
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KEY ACHIEVEMENTS

- Successfully developed new chemical formulations that improved product efficiency by 15%.
 - Streamlined quality control processes, reducing testing time by 20%.
 - Implemented a calibration schedule for lab equipment, ensuring consistent accuracy in measurements.
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PROJECT

- **Development and Optimization of Super-Concentrated Formulations for Floor Cleaners, Emulsifiers, Boosters, Room Fresheners, and Softeners in Laundry Science**
July 2024 – Present
Associated with Atlantic Care Chemicals Pvt. Ltd.
- **Optimizing Dyeing Efficiency: Enhancing Dye Fixation for Textile**
Nov 2023 – Present
Associated with Atlantic Care Chemicals Pvt. Ltd.
- **Revolutionizing Indian Railways: Economic Product Development for Enhanced Efficiency and Sustainability**
Jan 2024 - May 202

Associated with Atlantic Care Chemicals Pvt. Ltd.

- **Synthesis & Characterization Of Carbon Dots From Organic Waste Materials: Towards Waste To Value Nanomaterials**

Mar 2023 - May 2023

Associated with Sree Sankara College, Kalady 683 574

- **Water Quality Analysis Of Selected Areas Of Kalady Grama Panchayat Of Ernakulam District**

Apr 2021 - May 2021

Associated with Sree Sankara College, Kalady 683 574

SKILLS

- Proficient in calibrating lab instruments (pH meters, TDS meters)
- Expertise in chemical analysis for anodizing and powder coating
- Strong attention to detail with a focus on accuracy
- Effective in water treatment process monitoring and adjustments
- Ability to prepare detailed daily analysis reports
- Strong collaboration skills with QC teams for troubleshooting and process optimization
- Advanced knowledge of Microsoft Office Suite (Word, Excel, PowerPoint)

EDUCATION

Master of Science in Applied Chemistry

Mahatma Gandhi University, Kottayam

Nov 2021-Aug 2023

- Specialization in Advanced Applied chemistry.
- Project paper on “Carbon Dot Synthesis from waste biomass”

Bachelor of Science in Chemistry

Jan 2018 - April 2021

Mahatma Gandhi University

- Relevant coursework in Wastewater analysis of selected areas of college.

ADDITIONAL INFORMATION

- Technical Skills: Project Management, Formulation Chemistry, Lean Six Sigma Methodologies, Regulatory Compliance, Nanomaterial synthesis
- Languages: English, Malayalam, Hindi
- Certifications: Lean Six Sigma white belt certified, chat GPT & AI certified.
- Awards/Activities: Received 2nd Rank in Applied Chemistry.

REFERENCE

- Dr. Ravichandran
Managing Director
Product Innovation & Integrity
Atlantic Care Chemicals PVT.LTD

