

DR. SUSHAMA SANJAY DARADE

Environment Management and Administration Professional

A seasoned professional with ever increasing levels of responsibilities and more than twenty years of demonstrated performance in analysis, waste water management and administration related activities.

Mission: To increase operational efficiency and streamline procedures related to commercial effluent treatment while maintaining strict adherence to sound environmental practises.



Location Preference: Anywhere in India

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CORE COMPETENCIES

Identification of IMS objectives
Preparation of HIRA and aspect impact
Operation of software to raise PR
Collaborative nature
Problem solving positive attitude
Conflict Management abilities
Resource optimization
Team coaching and mentoring
Honor Work ethics



EDUCATION

- ❖ Doctor of philosophy from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad in February 2019
- ❖ Master of Science (M.Sc.) in Pollution Control (2010) from Sikkim Manipal University
- ❖ DEPC (Diploma in Environment and pollution Control) from National Institute of labour education and management Chennai (1998)

SOFT SKILLS

- ❖ Decision Maker
- ❖ Adaptive
- ❖ Motivator and Problem solving
- ❖ Intuitive
- ❖ Critical thinking
- ❖ Resilience



PERSONAL DETAILS

Date of Birth: 30th March 1975
Languages Known: English, Hindi & Marathi
Permanent Residential Address:
SAMVAD Bungalow, Ground Floor, 1137/01, REES-BHATWADI, Rasayani



PROFILE SUMMARY

- ❖ Develop actionable roadmaps for improving workflows and processes, and establish and organize effective management system.
- ❖ Gathering, interpreting, and using available data to develop actionable steps that will improve processes and optimize results in ETP plant of Mangalam Organics.
- ❖ Participate in regular meetings with management, assessing and addressing issues to identify and implement improvements toward efficient operations.
- ❖ Hands on experience in spearheading and resolving daily challenges and ad-hoc issues
- ❖ Technical Expertise in Data Analysis, Preparing and reviewing monthly reports and presenting to senior management.
- ❖ Through knowledge of latest quality / management systems and implementation of related tasks.
- ❖ Expertise in effective drafting of documents with fluency of language.
- ❖ Gained expertise in all waste water management activities
- ❖ Expert in delivering presentations on ETP to Senior Management through effective use of PowerPoint presentations.



CAREER TIMELINE

2020 -



2019-2020



2019-2019



1998-2018





WORK EXPERIENCE

April 1998 to February 2018: Hindustan Organic Chemicals Ltd. as Quality Control Officer

Key Result Areas:

- ❖ 20 Years of work experience in water testing laboratory of Hindustan Organic Chemicals Limited (HOCL).
- ❖ Reporting to Manager (QC)
- ❖ Experience of Implementation of ISO: 9001:2008 QMS.
- ❖ Method and Instrument calibration of polarography (Metrohm).
- ❖ Method and Instrument calibration of Gas Chromatographs.
- ❖ Calibration of balances (Metrohm).
- ❖ Analysis by Flame photometer.
- ❖ Dissolved Oxygen by DO Meter.
- ❖ Glass ware calibration.
- ❖ Calibration of Thermometers and Hydrometers.
- ❖ Method and Instrument Calibration of spectrophotometer (Visiscan).
- ❖ Collection of water, effluent samples from plant sites, lagoons, rivers etc. Cooling tower samples collection, sampling of corrosion scale inhibitors.
- ❖ Sampling of Raw materials like Benzene, Toluene, Naphtha, Methanol furnace oil, nitric acid, sulfuric acid etc.
- ❖ Determination of viscosity of lubricant oil with help of Visgage.
- ❖ Have been successfully analysing CPCB samples under AQC exercise. Analysed innumerable samples under the Task force activity for revenue generation.
- ❖ Retired as Officer (QC) under VRS scheme.

(September 2019 to December 2019: Jubilant Pharma and Chemicals Lab. (OPC) PVT. Ltd.

Key Result Areas:

- ❖ Worked with Jubilant Pharma and Chemicals Lab. (OPC) PVT. Ltd. on Managerial position designated as Section Head (Wet Lab Section).
- ❖ Reporting to the Director
- ❖ Monitoring of pharmaceutical, food and water samples as per respective guidelines.
- ❖ Maintaining calibration schedules of sophisticated laboratory equipment
- ❖ Development of analytical methods as per the requirement of customers
- ❖ Reducing the downtime of equipment by timely preventive maintenance
- ❖ I headed a staff of 13 analysts and 4 attendants.

December 2019 to November 2020: - Mangalam Organics Limited (R&D Division)

Key Result Areas:

- ❖ Planning of R&D activities and reporting to the same to Sr. Manager (R&D)
- ❖ Organizing of experiments as per requirement.
- ❖ All process development research activities.
- ❖ Data collection and analysis of collected data.
- ❖ Preparation and activation of catalysts TiO₂ and CuO
- ❖ Preparation of camphor by pinene
- ❖ Pine tar preparation.
- ❖ Pine oil preparation
- ❖ COD reduction in Alkyl phenol Resin effluent
- ❖ Distillations; simple and fractional for product purification and separation
- ❖ Preparation of herbal camphor
- ❖ Training to chemists in analytical methods.

November 2020 to Till Date: - Mangalam Organics Limited (Environment Management)

Key result areas: Operations and Maintenance in ETP plant

Highlights:

- ❖ Reporting to the president
- ❖ Framing of standard operating procedures for smooth running of ETP / STP / ZLD
- ❖ Co-ordinate with the maintenance crew team to prepare routine maintenance.
- ❖ Understand methods and techniques of troubleshooting for mechanical and electrical control.
- ❖ Train employees in proper use of maintenance equipment, hand tools and procedures.
- ❖ Recommend improvements to plant safety rules and procedures.
- ❖ Ensure that safety precautions and procedures are followed in all work activities.
- ❖ Inspection of working of plant during process.

- ❖ To record the relevant data for smooth operations of ETP/ STP / ZLD plant.
- ❖ Evaluation of analytical reports for correctness.
- ❖ Interdepartmental communication and communication with parties and vendors whenever required.

Key result areas: Identification of flaws and troubleshooting

Highlights

- ❖ Observing for bulking of sludge.
- ❖ Passing of undue floc in settled effluent
- ❖ Disruption of operations by power failure.
- ❖ Revival of biomass

Key result areas: Maintenance of Pumps and Motors

Highlights

- ❖ Getting preventive maintenance done from maintenance department.
- ❖ Observing the sound of motors and pumps for smooth running

Key result areas: Training of lab analyst

Highlights

- ❖ Introduction of the trainee analyst to the waste water treatment plant.
- ❖ Testing of various parameters like pH, TSS, TDS, BOD, COD, MLSS etc.
- ❖ Calibration of instruments
- ❖ Preparation of standard solutions

Key result areas: Hazard Identification in ETP

Highlights

- ❖ Identifying hazardous chemicals in various effluents.
- ❖ Prevention of chemical accidents resulting in skin burns, injury to eyes etc.
- ❖ Prevention of damage to respiratory system, allergies and chronic diseases.
- ❖ Prevention of slips and falls.
- ❖ Insulation from electric shocks.
- ❖ Prevention of cuts and pricks from sharp objects.
- ❖ Prevention of fires and explosions from flammable gases.