

# CURRICULUM VITAE

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## Professional Overview

Highly skilled microbiologist with a robust background in water analysis and microbial analysis. Experienced in using state-of-the-art analytical tools and techniques to detect and analyze contaminants. Demonstrated success in improving laboratory processes and ensuring regulatory compliance. Looking for a position where I can contribute to advancing water safety and environmental health through innovative research and rigorous quality control.

## Skill Highlights

- Expertise in water quality testing and analysis
- Proficient with laboratory equipment
- Knowledge of NABL regulations and IS/ISO standards
- Strong analytical and problem-solving skills
- Team Management and follow up tasks
- Ability to work effectively in a team and independently
- Excellent written and verbal communication
- Data interpretation and report generation

## Qualifications

### **Master in Science, Applied Microbiology (2021)**

KIIT School of Biotechnology, KIIT, Bhubaneswar, Odisha, India  
CGPA- 8.01/10.0

### **Bachelor in Science, Microbiology (2019)**

College of Basic Science and Humanities, OUAT, Bhubaneswar, Odisha, India  
CGPA -8.28/10.0

### **+2, Science (2016)**

Pattamundai College, Pattamundai, Odisha, India  
Percentage - 53.67 %

### **Class Xth (2014)**

M.N High School, Pattamundai, Odisha, India  
Percentage - 68.83 %

## Professional Expertise

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### Senior Executive-Microbiologist

Re Sustainability Limited, Hyderabad

16-Aug-2021-Till date

- Extensive experience in analyzing testing on **Water, Waste Water, packaged drinking water** for microbial contaminants, employing techniques such as membrane filtration, multiple-tube fermentation.
- Proficient in **culturing, isolating, and identifying microorganisms** using methods like streak/Spread plating, serial dilutions, differential staining. Media Preparation, Growth Promotion Check, Environment Monitoring and Handling of Culture technique. Expertise in microbial enumeration and pathogen detection.
- Skilled in **operating and maintaining laboratory instruments** and ability to troubleshoot and optimize equipment performance.
- Strong background in implementing quality control measures and adhering to **Good Laboratory Practice (GLP)**. Ensured the reliability and accuracy of test results through rigorous quality assurance protocols.
- In-depth knowledge of regulatory frameworks and standards related to water safety, including **EPA, CPCB & IS/ISO regulations**. Experienced in preparing documentation for audits and ensuring compliance with environmental regulations.
- Experience with managing laboratory supplies, maintaining equipment, and ensuring adherence to **quality control procedures**.
- Proficient in analyzing experimental data using **statistical software** (e.g., Excel, MS Word).
- **NABL, NABET, MOEFcc & ISO audit** exposure. Review of the documents and records as on frequency.
- Knowledge on preparation of **Environmental Impact Assessment** reports for different category of projects as per the Ministry of Environment and Forests notification 2020.

## Training and Projects

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- Attending the Virtual Training on “**Uncertainty of Measurement in Microbiological Testing**” conducted by QCI/TCB.
- participated in the Training Program on “**ISO/IEC 17025:2017 Requirements and Internal Audit**” conducted by Quality Guru.
- Worked in KIIT-TBI, Bio process Lab under the supervision of Dr. Rahul Modak on “**Optimization of glucose concentration as carbon source in chemical defined culture media for up-scaling biomass production of E. coli (Study the growth curve and biomass of E. Coli BL21 from shake flask to benchtop bioreactor)**”.
- Attended 2 days training program on “**Air & water pollution control & waste management**” led by Mr. B. Sengupta (Former Member Secretary Central Pollution Control Board), conducted by Re Sustainability Limited.

### Declaration

I, hereby declare that the information furnished above are true, complete and correct to the best of my knowledge and belief.

Date:

Place:

Baisali Das