

Nivedita Dashora
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Current Location: Nasik, India.

CAREER OBJECTIVE

To work with a progressive organization where I can apply my knowledge, update skills and gain work experience to grow professionally along with the organization in order to attain personal as well as work satisfaction.

PROFESSIONAL SUMMARY

I have pursued **M. Tech in Chemical Engineering** from **Vishwakarma Institute of Technology, Pune**. During this course, I worked on a project for wastewater treatment titled **'Removal of COD (Chemical oxygen demand) using aerobic treatment of sewage water by modification in internal design of activated sludge process** and gained **hands-on experience** on equipments as detailed below:

- **Physical analysis** of water sample using- **conductivity meter, pH meter, TDS meter, fluoride meter, turbidity meter, multi ion meter.**
- **Chemical analysis** of water samples using- **Shimadzu TOC-L-CPH, flame photometer, Genesis UV vis-Spectrophotometer, auto-titrator, Chemical oxygen demand (COD) open reflux method.**

EDUCATIONAL AND TECHNICAL QUALIFICATION

- Pursuing M. Tech. from Vishwakarma Institute of Technology, Pune with 9.08 CGPA.
- B.E from Padmashree Dr. D.Y. Patil institute of engineering, management and research, Pune, in year 2012-2016 with 67.5%.
- 12th from CBSE board, 2012 with 69.2%.
- 10th from CBSE board, 2010 with 87.4%.

ADDITIONAL SKILLS

MATLAB (basic coding), M S Office, Content writing.

PROJECT EXPERIENCE

1. M. Tech academic project work:

Removal of COD using aerobic treatment of sewage water by modification in internal design of activated sludge process.

Responsibilities:

- Understanding the existing process and its variations by doing a literature survey.
- Identifying the problems in the process from chemical engineering aspects.
- Developing a lab scale working model for doing experimentation work.
- Implementing the internal design modification.
- Analyzing the results obtained by different modifications in design, using chemical analysis technique (COD and TOC analysis).

2. B.E academic project work:

Degradation of polymers using ionic liquids.

With the use of tetra butyl ammonium salts as ionic liquids, an attempt was made to degrade polymeric waste as recycling of plastic has a considerable scope in the market.

PUBLICATIONS

- N. Dashora, D. Bhatkhande, M. Deosarkar, S. Khamparia. Effect of Different Shapes of Air Diffusers on Removal of Chemical Oxygen Demand of Wastewater in Activated Sludge Process. *Journal of Water Resource Engineering and Management*. 2020; 7(2): 9-14p.
- Nivedita Dashora, Dhananjay Bhatkhande, Manik Deosarkar, Shraddha Khamparia. A Review on Internal Design Modifications in Activated Sludge Process: Status, Impact and Recommendations. *Advanced materials proceedings*. 2020; 5(4): 1-11p.

PERSONAL DETAILS

- Date of Birth : 30 December 1995
- Present Address : Jindal Poly Films Ltd., NH-3, 28 km stone nashik
Igatpuri road, Mundhegaon, Nashik.

All the above information furnished by me is true to the best of my knowledge and in belief.