

RESUME

Ankit Brijmohan Zanwar

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Career Objective

Seeking a quality environment where my knowledge and experience can be shared and enriched. Looking for an opportunity where I can utilize my skills for the growth of professionally managed organizations.

Personal Skills

Being a hard working person, with a positive attitude, I am a strong team worker. I have a tendency to learn and adapt to every new challenge, with comprehensive problem-solving abilities.

Qualifications

Qualification	Institute/Board	Passing Year	Grade/Percentage
M.Tech. (Chemical Engineering)	Laxminarayan Institute of Technology(LIT), Nagpur	2016	75%
B. Tech. (Chemical Technology)	Laxminarayan Institute of Technology(LIT), Nagpur	2012	66.32%
H.S.C.	Maharashtra State Board	2008	85.17%
S.S.C	Maharashtra State Board	2006	75.86%

Experience Highlights

Internship (2018-2019)

Completed a year internship program in June 2019 at Clean Aquato Engineering Environmental Consultant.

- During internship worked on various wastewater treatment projects such as sewage treatment plant, effluent treatment plant, Ozonation and RO plant.
- Assisted technical and sales team during the internship tenure.
- Worked with R&D team for treatment of high ammonical nitrogen content industrial effluent.

Teaching Assistant (2015-2016)

Assisted professors in chemical engineering courses. Supervised students in Heat transfer and Environmental engineering lab. Led small discussions and answered questions. Provided guidance to undergraduate students in academic projects.

Internship (2011)

Conducted studies in Ammonia Nitro-phosphate Plant at Rashtriya Chemicals & Fertilizers Ltd., Chembur, Mumbai for a period of one month. Prepared the report describing the process and equipment details along with important parameters maintained during the process.

Project Profile

M.Tech. Project: Synthesis & Characterization of Down-converting K₂SrPO₄ Lanthanide Doped Phosphor.

In this project, down-converting phosphor K₂SrPO₄ doped with lanthanide ions synthesized using the wet-chemical method to increase the efficiency of solar cell. The effect of various parameters such as lanthanide ion concentration and PL emission spectra for different excitation wavelength were studied. The phosphor synthesized was characterized using XRD, SEM, TEM, and Photoluminescence study. The XRD analysis showed that the doping had less effect on the structure of the phosphor whereas, the SEM and TEM analysis showed the phosphor size was in the range of 15-20 nm and were crystalline. The phosphor synthesized is a promising candidate to improve or modify the spectral mismatch between the solar cell and sunlight.

B.Tech. Project: Biodiesel Production from Waste Cooking Oil in Batch Reactor.

During this work, biodiesel produced in a batch reactor using two stage-catalyzed process. The effect of parameters such as time and catalyst concentration were studied on the yield of biodiesel. In the first stage, the waste cooking oil was acid catalyzed using concentrated sulphuric acid to reduce the free fatty acid (FFA) content. The optimized value of time and catalyst with respect to FFA value was used before moving to the second stage. In second stage base was used as a catalyst to convert the ester oil obtained from the first stage to biodiesel.

Curriculum Activities

- Presented paper on 'Modeling of Ethanol/Water separation by pervaporation membrane processes at national conference REACT 2016.

Computer Skills

- Basic Knowledge of MATLAB
- Basic Knowledge of CHEM-CAD
- Excellent at MS-Office

Extra-curriculum Activities

- Actively participated in team sports such as Cricket, Football and Volleyball and represented college at various national and university competitions.
- Held the position of treasurer for hostel day event GARJANA 2016.

Personal Details

Name	:	Ankit Zanwar
Passport	:	K8190843
Date of Birth	:	9 th April 1991
Nationality	:	Indian
Marital Status	:	Single
Languages Known	:	English, Hindi & Marathi.

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge.

Date:

Place:

(Ankit Zanwar)