

CURRICULUM VITAE

Name - Mod Monis

Date of Birth - 07-July-1999

Address - Village Dabki Junnardar, Bajoria Road, Saharanpur, UP (INDIA)

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CAREER OBJECTIVE

To work in a growth oriented organization as an **industrial chemist**.

EDUCATION QUALIFICATION

COURSE	BOARD/ UNIVERSITY	PERCENTAGE	YEAR OF PASSING
MASTER OF SCIENCE (INDUSTRIAL CHEMISTRY)	ALIGARH MUSLIM UNIVERSITY	8.19 CGPA	2022
BACHLOR OF SCIENCE (INDUSTRIAL CHEMISTRY)	KURUKSHETRA UNIVERSITY	66.48 %	2020
INTERMEDIATE	UP BOARD	69 %	2017
HIGH-SCHOOL	UP BOARD	76.17 %	2015

AREA OF INTEREST

- Research and Development (R&D) Department
- Project Assistant
- Quality Control

EXPERIENCE

Working as **trainee chemist** in **R & D department** of **Uflex limited (Chemical Division)**, sector 57, Noida, (Uttar Pradesh).

INDUSTRIAL TRAINING

Completed two months training on "**Effect of slurry based additive on flow assurance of Indian waxy crude oil**" from **CSIR-Indian institute of Petroleum**, under the supervision of **Dr. Manisha Sahai**.

The training include:-

- To minimize precipitation of crude oil inside the pipeline which placed under the sea
- Finding pour point of crude oil.
- Characterization of crude oil using column chromatography.
- Characterization of crude oil using NMR and FTIR spectroscopy.

DESSERTATION

Completed a project on “**Bio-diesel synthesis from used mustard oil utilizing waste egg-shell derived calcium based metal oxide catalyst**” from Industrial Chemistry Lab, **Aligarh Muslim University**, under the supervision of **Dr. Wasi Ur Rahman** and **Er. Abu Mustafa Khan**.

The project area of work:-

- Preparation of calcium based catalyst by waste egg-shell.
- How much increase the yield of bio-diesel using this calcium based catalyst.
- Determine cloud point, flash point, specific gravity, kinematic viscosity.

INSTRUMENT HANDLED

Handled these instruments include:-

- FTIR, Tensile (bond strength) machine, Oven and muffle furnace.
- Column & Thin layer Chromatography.
- Determined Density, Viscosity and Calorific value.
- Preparation and standardization of different normality solutions like HCl, KOH, NaOH, DBA and Na₂CO₃.
- Determined Acid value, OH value, NCO test, % purity of NH₃, bond strength.

Theoretical knowledge about analytical techniques includes:-

- NMR Spectroscopy
- FTIR spectroscopy
- UV-Visible Spectroscopy
- GC, HPLC etc.

ACHIEVEMENTS

- **National Chemistry week 2021 :- Secured Third Position** in the Online Meme Competition during National Chemistry Week 2021 organized by the **American Chemical Society** in **Aligarh Muslim University**.
- Participated in organizing committee of “**Interactive session with unesco chair desalination and water technology, Qatar University, Qatar**” at **Zakir Hussain college** of engineering and technology, **Aligarh Muslim University, Aligarh**.

REFERENCES

PROFESSOR ANEES AHMAD

Professor and coordinator of Industrial Chemistry

Department of Chemistry (Industrial Chemistry)

Aligarh Muslim University

Contact – +91 9536322688, aneesahmad@yahoo.com

Dr. MOHAMMAD ZAIN KHAN

Assistant Professor

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DECLARATION

I hereby declare that information given above is correct and true.

Mod Monis

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