

Engr. Muhammad Ahsan Wasif

Process Engineer

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OBJECTIVE:

Motivated and knowledgeable graduate, eager to contribute to academic growth as a Lecturer. Passionate about fostering a positive learning environment and sharing theoretical and practical knowledge. Dedicated to continuous learning and helping students excel, while developing teaching skills through hands-on experience

EDUCATION:

- **M.Sc./M.Phil Process Safety and Environmental Engineering (Apr 2019 – Apr 2021)**

CGPA 2.3 (GERMAN SCALE)

Otto Von Guericke Universitat Magdeburg, Germany

Most relevant Subjects includes Wastewater and sludge treatment, Dispersion of hazardous materials, Industrial explosion protection, Air pollution Control, Fire protection in industrial facilities.

Research projects

- Cryogenic separation of CO₂ from industrial waste gas
- Simulation of Production of methanol from biogas in Aspen plus

- **B.E. Polymer and Petrochemical Engineering (Dec 2013 – Dec 2017)**

CGPA 3.28

NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY

Most relevant Subjects includes polymer materials and processing, petroleum refinery engineering, petrochemical products, heat and mass transfer, chemical reaction engineering plant utilities and safety

Final year project

- Synthesize lime ash particles for the absorption of Sulphur dioxide and use them as a reinforcement in Low density polyethylene.

EXPERIENCE:

- **MASTER THESIS - OTTO VON GUERICKE UNIVERSITAT, MAGDEBURG
(May 2020 – April 2021)**

Ignition temperature of dust gas hybrid mixture

- This thesis aims to contribute NEXHYS project that aims to develop international standards for testing of explosion parameters of dust/gas & dust/vapor hybrid mixture.
- Propose & modify GG furnace to make it suitable for the measurement of ignition temperature of dust gas hybrid mixture.
- Determine ignition temperature of explosive gases & dusts separately in modified GG furnace and compare results with standard GG furnace.
- Determine dust gas hybrid mixture ignition temperatures.
- Analyse results to check difference in ignition temperature of hybrid mixtures as compare to pure substances

➤ **Assistant Manager – YUNUS TEXTILE MILLS (26-11-2021 – Today)**

- Team lead for managing procurement of technical parts for production machineries both from local and import.
- Manage procurement of packing items and collaborate with store to manage packing material stock.
- Analyze procurement data to optimize processes and ensure cost-effective purchasing decisions.
- Manage and monitor KPIs to track procurement performance and project progress.
- Conduct technical and cost comparisons for project procurement, prepare detailed documents for management approval and manage project procurement, specializing in electrical, mechanical, and fire safety systems.
- Oversee service orders and manage contracts, ensuring compliance and timely execution.
- Manage effective communication with the accounts department to resolve payment issues and monitor advance payments.
- Collaborate with cross-functional teams to ensure alignment between procurement strategies and project goals.
- Train, mentor, and develop junior procurement team, fostering skill growth and improving team performance

➤ **INTERNSHIP – Clariant Chemicals Pakistan (1-06-2016 – 15-07-2016)**

- Observed Production process of polymer master batches Quality control of master batches and HSE practice
- Observed quality control process of polymer masterbatches
- Observed company's EHS policy and their EHS practices
- Create final report that covers whole production and quality control process, their connections weak points and suggests further improvements

SOFT SKILLS:

- Excellent command over **MATLAB, MS Excel, MS PowerPoint, python, OpenCV**

LANGUAGE SKILLS:

- Fluent in speaking and writing in English language
- Urdu as mother language
- Beginner in German language