




Muhammad Usman Azam

CHEMICAL ENGINEER & HSE SPECIALIST

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Sargodha, Pakistan 

11-July, 1994 

OBJECTIVE:

Being a self-motivated, enthusiastic and a result-oriented team player I would like to step in an organization as a trainee which believes in sustainability, promotes leadership, team-work, diversity and excellence. I intend to integrate my knowledge and skills to add values to the organization, committed to apply innovative solutions to environmental problems and explore my potentials.

ACADEMIC RECORD:

Year	Degree/ Certificate	CGPA/ Percentage	University/ Board
2017-18	Masters of Science (Safety, health & environment)	3.81 CGPA	Universiti Teknologi Malaysia
2012-16	Bachelors of Science (Chemical Engineering)	3.32 CGPA	University of the Punjab
2010-12	Intermediate	87%	BISE Sargodha
2008-10	Matriculation	93%	BISE Sargodha

PUBLICATIONS:

Title	Journal & Impact Factor	Status
Metal free MWCNTs@TiO ₂ @MMT heterojunction composite with MMT as a mediator for fast charges separation towards visible light driven photocatalytic hydrogen evolution	Applied Surface Science (4.43)	Published
Lanthanum carbonate coordinated graphene bridged assembly of La/Ti ⁺³ /TiO ₂ /La ₂ O ₂ CO ₃ /rGO nanocomposite with faster charges separation for enhanced visible light photo-induced H ₂ evolution	Applied Catalysis B: Environmental (11.69)	Submitted

RESEARCH PROJECTS:

- Lanthanum and Graphene Oxide Based Titania Nanocomposites for Visible Light Driven Photocatalytic Hydrogen Production (2017-18).
- Production of Syngas by the Gasification of 240 TPD of THAR Coal Using Shell Coal Gasification Technology (2016).

OTHER PROJECTS:

- Update Machine Safeguarding checklist of Coca Cola Lahore Plant.
- Complete HIRARC study of Coca Cola Lahore Plant.
- MWCNTs-TiO₂-MMT Nanocomposite with Enhanced Hydrogen Production under Visible Light from Glycerol-Water Mixture.
- Performance comparison between slurry and monolith photoreactor for hydrogen production over La/TiO₂ Nano catalyst.
- Investigation report on Human Errors in The North Sea Piper Alpha Disaster.
- QRA for kerosene tank at Federal Route 5, Junction towards Port Dickson town.
- Plasmonic Silver Modified Graphitic Carbon Nitride and Titanium Dioxide Composites for Photoreduction of CO₂ to Methanol.
- A new system for recycled plastic resins producing plant with the aim to entitle government tax incentives for green technology initiatives by Carbon dioxide emission reduction through cleaner production (CP) strategies coupled with EMS.
- SHE reports of IOI PAN-CENTURY OLEOCHEMICALS SDN. BHD Malaysia.
- Effect of EU landfill directive on the future of MSW management.

EXPERIENCE:

- One-year Research Experience at CRE Lab, UTM, Malaysia (Sep 2017- July 2018).
- Four weeks internship at Coca Cola Beverages Limited Lahore (Jan 2018- Feb 2018).
- Six weeks internship in Fauji Fertilizers Company Goth Machi (July 2015- Sep 2015).

TECHNICAL SKILLS:

- | | | |
|----------------------|-----------|--------------------|
| • Risk Management | • SPSS | • Origin |
| • Project Management | • ALOHA | • Minitab |
| • Research Work | • AutoCAD | • Microsoft Office |

MEMBERSHIPS AND PARTICIPATIONS:

- Member of CRE Research Group, UTM Malaysia (2017-18).
- Director student affairs for international student's society Pakistan, UTM Malaysia (ISS_PAK UTM) (2017-18).
- Senior Sports coordinator for ICET sports committee (March 2015-March 2016).
- Organized and attended 4th Symposium on Engineering Sciences held at ICET, University of Punjab, Lahore.

- Organized workshops on Environmental Pollution Awareness 2013 and Pak Safety Solution 2014 held in University of the Punjab.
- Member of NUST science society in 2012.
- Member of organizing committee of Pantomime at Military College of Engineering, Risalpur in 2012.

INTERESTS:

- Managing social Events
- Computer Gaming
- Travelling
- Badminton
- Watching Movies

REFERENCE:

Reference will be provided on demand