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Arshid Mahmood Ali

Objective

I always believe that strong commitment towards your profession help you to become more diligent, conceptual, confident, assertive and innovative with requisite frame of mind. I know that one can learn and excel with devotion, dedication under the guidelines of seniors for the progress of employer's benefits. These above statements, I take as my life's objective.

Profile

A Postgraduate Chemical engineer seeks a challenging environment, which will provide both a wealth of experience, teaching challenges and constant intellectual stimulation. In this way I would be able to provide a solid infrastructure for the development of my career.

Ambitious and energetic, innovative, keen to take new challenges, adaptable and quick learner

Professional Experience

PhD Student

*Chemical and Materials Engineering Department,
School of Engineering, University of Auckland, New Zealand.*

*To carry research on “**Characterization of Nano Oxide Structured Films as Photocatalyst By Using a Photocatalytic Reactor**”*

24th March 2005 to 20th March 2007.

Lecturer

Institute of Chemical Engineering & Technology, University of the Punjab.

- *To teach “**Chemical Reaction Engineering**” to the classes of B.Sc in Chemical Engineering at Institute of Chemical Engineering and Technology University of the Punjab, Lahore Pakistan.*
- *To teach “**Separation Processes**” to the classes of B.Sc in Chemical Engineering at Institute of Chemical Engineering and Technology University of the Punjab, Lahore Pakistan.*
- *To teach “**Engineering Thermodynamics**” to the classes of B.Sc in Chemical Engineering at Institute of Chemical Engineering and Technology University of the Punjab, Lahore Pakistan.*
- *To Teach “**Coal Conversion Technology -I**” to MS classes at the Centre of Coal Technology, University of the Punjab.*
- *To Teach “**Coal Conversion Technology -II**” to MS classes at the Centre of Coal Technology, University of the Punjab.*
- *To Teach “**Physical Chemistry**” to the classes of B.Sc in Chemical Engineering at Institute of Chemical Engineering and Technology University of the Punjab, Lahore Pakistan.*
- *To Teach “**Chemical Process Technology**” to the classes of B.Sc in Chemical Engineering at Institute of Chemical Engineering and Technology University of the Punjab, Lahore Pakistan.*
- *To Demonstrate “**Fluid & Particle Mechanics**” laboratory work to the classes of B.Sc in Chemical Engineering at Institute of Chemical Engineering and Technology University of the Punjab, Lahore Pakistan.*
- *To Demonstrate “**Heat & Mass Transfer Operations**” laboratory work to the classes of B.Sc in Chemical Engineering at Institute of Chemical Engineering and Technology University of the Punjab, Lahore Pakistan.*

- *Expediting practical demonstration of Fluid & Particle Mechanics, Heat & Mass Transfer operations, Physical Chemistry & Organic Chemistry.*
- *To suggest new practical with new objectives in the area of Heat and Mass Transfer Operations*

Other Responsibilities:

- *Incharge Sports.*
- *Superintendent Examinations*
- *To accompany with classes of B.Sc in Chemical Engineering in their Industrial Trips.*
- *Incharge of Research Projects to the class of Final professional B.Sc in Chemical Engineering.*

1st September 2003 to 23rd March 2005

Research Scholar

Institute of Chemical Engineering & Technology, University of the Punjab.

- *To Carry Research on Novel techniques for the Degradation Techniques of textile effluents.*
- *To assisting Head of Engineering Research Division in establishing a new Engineering Research Division.*
- *To carry market survey for various analytical equipments & procurement of equipments to their full functioning and maintenance.*
- *To maintain the safe running of HPLC, UV Visible Spectro photometer.*
- *To Keep Stock listing of apparatuses & other accessories of Analytical Laboratory of Engineering Research Division.*

25th September to 30th August 2003

Assistant Manager

Ittehad Chemicals Limited Pakistan.

- *Ensure uninterrupted, safe and efficient operation of the assigned unit, to include responsibility for emergency handling, startup and shutdown*
- *Ensure consistency of high product quality*
- *Pro-activity monitor operation of the process unit, promptly assess need for and promptly implement appropriate corrective and preventive actions*
- *Monitor the plant operating parameters and log values of different process variables*
- *Manage the administration of production staff assigned to shift.*
- *Water treatment, including soft water, de mineral water and drinking water supply in all areas of plant.*

12th March 2002 to 24th September

Shift Engineer

- *Plant Management.*
- *Trouble shootings.*
- *Coordination to colleagues.*
- *Supervision to subordinate staff.*

11th September 2001 to 11th March 2002

Trainee Engineer

Experience Counter

5.5 years

Educational Qualification

March 2007

PhD Student

Chemical & Materials Engineering Department
School of Engineering, University of Auckland, New Zealand.

2003–2006

Department of Chemical Engineering.

University of Engineering & Technology Lahore Pakistan.

M.Sc Chemical Engineering with specialization in Process Engineering.

Grade A 1st Div.

1997 – 2001

Institute of Chemical Engineering & Technology University of the Punjab, Lahore Pakistan.

B.Sc. Chemical Engineering

Grade A 1st Div.

1994–1996

Government College, Lahore Pakistan.

B.Sc (Mathematics A & B Course), Physics

Grade A 1st Div.

1991 - 1993

Government College, Lahore Pakistan.

Intermediate in Pre Engineering(Higher Secondary Education)

Grade A 1st Div.

1993–1995

Matriculation (Secondary Education)

Grade A 1st Div.

Achievements

- Recipient of Honorary medal.
- Recipient of Merit Scholarship for the year 1997, 1998, 1999.
- Recipient of Merit Scholarship for the year 1994, 1995.
- Awarded Merit Certificate.

Professional Trainings/Workshops/Seminars/Conferences/Conventions

- Attended the SGS Certification Training Course on “Managing the Occupational Health & Safety through OHSAS 180001”
- Attended two days training course on “High Performance Liquid Chromatography” jointly organised by Perkin Elmer & Analytical Measuring Instruments (AMS) Pakistan.
- Attended two days training course on “UV Visible Spectrophotometry” jointly organised by Perkin Elmer & Analytical Measuring Instruments (AMS) Pakistan.

- Attended fifteen days “Faculty Development Programme in Higher Education” organised by Higher Education Commission at the Institute of Administrative sciences, University of the Punjab, Lahore Pakistan
- Successfully completed Training on “Statistical Process Control” Organized by University of Engineering & Technology Lahore, Pakistan.
- Represented Institute of Chemical Engineering & Technology University of the Punjab at 34th International Pakistan(SAARC) countries science conference held at the University of Veterinary and Animal Sciences, Lahore Pakistan.
- Successfully completed one month training course on “Faculty Development Programme in Higher Education” jointly organised by Higher Education Commission and Institute of Education & Research at the University of the Punjab, Lahore Pakistan
- Participated in one day workshop on “Research & Development Needs in Textile Processing” jointly Organised by Higher Education Commission, National Core Group in Chemistry and Institute of Chemical Engineering & Technology held at University of the Punjab, Lahore Pakistan.
- Participated in one day workshop on “Research & Development Needs in pulp & Paper Industry” jointly Organised by Higher Education Commission, National Core Group in Chemistry and Institute of Chemical Engineering & Technology held at University of the Punjab, Lahore Pakistan.
- Successfully completed one week Short Course in ISO-9001:2000 organised by Institute of Chemical Engineering & Technology, University of the Punjab, Lahore Pakistan.
- Successfully completed training course on “Cleaner Production in Textile” Jointly organised by Programme for Environmental Research & Training (PERT), Cleaner Production Institute (CPI), LEAD Pakistan and WWF Pakistan.
- Actively participated in three days seminar on “Trends in Water Desalination” jointly organized by Department of Chemical Engineering University of Engineering Peshawar and Higher Education Commission of Pakistan(HEC) at UET Peshawar, Pakistan.
- Successfully completed Post Graduate Course on “STEP-I Environmental Management System” organised by Pakistan Foundation for Advancement of Engineering & Technology (PFAET).
- Successfully completed Post Graduate Course on “STEP-II Environmental Management System” organised by Pakistan Foundation for Advancement of Engineering & Technology (PFAET).
- Successfully Completed “Implementation of ISO 14001 2004” organised by Pakistan Foundation for Advancement of Engineering & Technology (PFAET).
- Successfully Completed “Environmental Audit Systems” organised by Pakistan Foundation for Advancement of Engineering & Technology (PFAET).
- Successfully Completed “Dynamic Simulation Modelling on CFX 4 software” organised by Pakistan Foundation for Advancement of Engineering & Technology (PFAET).
- Successfully Completed “Case Study in Environmental Management” organised by Pakistan Foundation for Advancement of Engineering & Technology (PFAET).
- Successfully Completed “Environment Friendly Manufacturing Management System” organised by Pakistan Foundation for Advancement of Engineering & Technology (PFAET).
- Successfully Completed “CDM-501 Disaster Management” jointly organised by European Foundation For Technology And Development & Pakistan Foundation for Advancement of Engineering & Technology (PFAET).
- Attended one day workshop on “Case Teaching Methodology” organised by Higher Education Commission of Pakistan.
- Attended four weeks internship training at Coates Lorilleux (Pakistan) Limited
- Attended two months training at Ittehad Chemicals Limited Lahore Pakistan

Teaching & Research Experience

UNIVERSITY OF THE PUNJAB

I have taught the following Modules to the Graduate classes at Institute of Chemical Engineering & Technology University of the Punjab, Lahore Pakistan.

- **Chemical Reaction Engineering.**
- **Chemical Engineering Thermodynamics.**
- **Chemical Process Technology.**
- **Physical Chemistry.**

Also I have taught the following modules to Postgraduate Classes, at the Centre of Coal Technology, University of the Punjab, Lahore Pakistan.

1- Coal Conversion Technology-I

2- Coal Conversion Technology- II

Projects Completed

A survey Report on “Pakistan Natural Gas Production.”

To study the properties of different Adsorbent.

To design waste water treatment plant for fertilizer industry.

To study the degradation of organic material by using Photocatalytic Oxidation Technique Using TiO₂ as Catalyst.

Industrial Projects Completed

Style Textile Industry

Design and development of waste water treatment plant.

Ittehad Chemicals Limited

Design & Development of waste water treatment plant.

Institute of Chemical Engineering & Technology.

Design & Development of New Experiment for the subject “Heat & Mass Transfer Operations”.

Memberships.

- *Member of Board of Faculty of Engineering & Technology, University of the Punjab.*
- *Member of Pakistan Engineering Council.*
- *Member of Pakistan Engineering Congress.*
- *Member of Pakistan Institutes of Chemical Engineers.*
- *Member of Pakistan Council for Quality & Technology.*
- *Ex-member of Sports Purchase Committee of Institute of Chemical Engineering & Technology.*
- *Ex.-member of Examination Committee of ICET.*
- *Member of “Society of Chemical Engineers New Zealand (SCENZ)”*

- *Board Member of “Postgraduate Student Association(PGSA)” University of Auckland*
- *Board Member of “Engineering Postgraduate Society” School of Engineering, University of Auckland, New Zealand.*
- *Member of “Institute of Professional Engineers New Zealand (IPENZ)”*
- *Ex-member of Purchase committee of “Engineering Research Division” at the Institute of Chemical Engineering & Technology, University of the Punjab, Lahore Pakistan.*

Computer Skills

- *Daniel made Chromatogram Software.*
- *Microsoft Visio for Flow Sheet Diagram*
- *Microsoft Office*
- *Gas Chromatography GC-MS software by Shimadzu.*
- *High Performance Liquid Chromatography (HPLC) Software by Shimadzu.*
- *Ultra Violet visible Spectroscopy (UV-VIS) Software by Perkin Elmer & Shimadzu.*

References

Will be furnished upon request.