

# Curriculum Vitae

## PERSONAL INFORMATION

Name Samra Sajjad  
Profession Engineer (MSc)  
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## OBJECTIVE

Looking for an opportunity to work on important **research** work/study in an institution which provides professional development, interesting experiences and personal growth.

## RESEARCH PUBLICATIONS:

- [A study on the influence of pH changes during catalytic ozonation process on alumina, zeolites and activated carbons for the decolorization of Reactive Red-241](#)  
Journal: **Water Science & Technology**
- [CATALYTIC OZONATION ON IRON-LOADED RICE HUSK ASH/PEANUT SHELL ASH FOR THE REMOVAL OF ERYTHROMYCIN IN WATER](#)  
Journal: **Environmental Engineering and Management**

## RESEARCH PROJECTS:

### 1. Synthesis and properties of :

- Electrodeposited Ni-B nanocomposite coatings
- Electrodeposited Ni-P nanocomposite coatings (**Qatar University**)

### 2. **From Waste to Wealth:** Eco-Friendly production of super-sorbents from plastic waste. (**QU-HBKU**)

### 3. Air and Noise Impact Assessment of G.T Road Traffic (**UET Pakistan**)

Introduction:

One of the major issues related to the traffic is the vehicles. The increasing rate of vehicles on roads causes the air and noise pollution, dust, smoke, carbon monoxide, nitrogen dioxide and many other airborne diseases.

The work includes...

- Assessment of the impact of noise level

- Assessment of the impact of Air Emissions
- Propose abatement measures for noise and air pollution.
- mitigation measures are suggested based on the results of study.

## SEMINARS:

- A Sustainability Approach Towards Process Safety: **(Hamad Bin Khalifa University)**
- Can Renewable Energy Ever Replace the Oil and Gas: **(Hamad Bin Khalifa University)**

## AWARDS:

Received shield in the recognition of contribution from University of Engineering and Technology, Lahore. Pakistan

## WORK EXPERIENCE:

- Research Assistant Qatar University (September 2020-Present)
- Researcher in the laboratory of Institute of Environmental Engineering and Research center at the University of Engineering and technology. (January 2016-September 2019)
- Participation in the Research Program “Pak- China research collaboration funded by Natural Science Foundation China”.
- Conduct laboratory safety measures and chemical handling in institute of Environmental Engineering and research center. (few months)
- Worked as a Health and Safety Engineer in Anwar Steel and General Mills and check out cleaner production techniques (2 years)
- Science/Chemistry teacher (4 year)
- Mathematics and Physics A-Level (Part time 4 Years)

## PROFESSIONAL AFFILIATION AND MEMBERSHIP:

Member of Pakistan Engineering Council (**PEC**) under act 1976 as an Environmental Engineer with registration number: **Enviro/69**

## WORKSHOPS:

Participated and carried out many workshops related to research and other projects, some of them are given as under.

- Communicating your skills
- Conflict management
- Stress management
- Writing effective emails
- Literature review
- Time management strategies
- Use of Master slide in power point
- Time management using cellphone calendar
- Endnote Workshop
- OBE (Outcome Based Education)

Some Subjects of interests are:

- Experimental methods
- Physio-Chemical processes
- Water and wastewater treatment
- Solid waste management
- Industrial and hazardous waste management
- Environmental Chemistry and Microbiology
- Environmental issues
- Soil and fluid mechanics
- Lab-Techniques
- Engineering thermodynamics
- Hydrology
- Cleaner production techniques
- Ecology
- Vehicular and industrial combustion emissions
- Toxicology, occupational health & safety
- Environmental modeling and optimization
- Air pollution control engineering
- Impact assessment and management
- Mathematics

## EDUCATION

<b>Examination</b>	<b>Passing Year</b>	<b>Grade/ %</b>	<b>Institution</b>
Environmental Engineering. (MSc)	2019	2.84/4.00	University of Engineering And Technology, Lahore, Pakistan
Environmental Engineering. (B.sc)	2010	3.25/4.00	University of Engineering And Technology, Lahore, Pakistan
F.sc (Pre-Engineering)	2006	80%	Queen Mary College, Lahore, Pakistan
Matriculation	2004	79%	Queen Mary College, Lahore, Pakistan

## SKILLS

- Microsoft Office (Word, Excel, Power Point)
- Use of Master slide in Power Point
- Origin software
- LOOP software
- Excellent presentation skills
- Good and effective communication

- Excellent management skills

## HOBBIES AND INTRESTS

- Research
- Internet browsing
- Reading
- Teaching

## LANGUAGE

- English: Fluent
- Urdu: Fluent
- Arabic: Beginner

## CHARACTER

- Honest, devoted, initiative and able to work independently and also in team
- Valid Qatar Resident Permit