



## Asad Ullah

**Nationality:** Pakistani **Gender:** Male

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### ABOUT ME

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Enthusiastic and dedicated Environmental Science professional currently pursuing a Master of Science in Copernicus Master in Digital Earth. Possessing a solid foundation in environmental principles gained through a Bachelor's degree in Environmental Science. Demonstrated academic excellence, strong analytical skills, and a keen interest in the intersection of environmental science, climate science and digital technologies.

### WORK EXPERIENCE

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#### Environmentalist

##### *Environmental Management Consultants (EMC) Pakistan Private Limited*

City: Islamabad

Country: Pakistan

1. Carries out impact assessments to identify, assess and reduce an organization's environmental risks.
2. Creates GIS maps for environmental and construction projects.
3. Develops Environmental impact Assessment (EIA) and Initial Environmental Examination (IEE) reports to comply with the requirements of Pakistan Environmental Protection Agency for the management of risks during construction and operation phase of the projects.
4. Perform preliminary environmental assessments, compliance and environmental monitoring, Environmental Audits and Dealing with Environmental Protection Agency.
5. Consultation with the potential stakeholder's i.e. local, regional, and federal governments.
6. Provide alternatives and suggestion of mitigation measures of different projects.
7. Preparing responses of EPA queries and comments on the EIA/IEE reports.
8. Involves in implementation and monitoring of EMP requirements during construction phase and conduct workshops for capacity building of Client's Project Team on EMP and Health and Safety aspects.
9. Monitoring compliance to environmental, and occupational health and safety aspects during construction activity of Projects and provided advisory support to the relevant staff as necessary.
10. Conducting on site investigations and check feasibility of the project through assessment of environmental, social and economic impacts of proposed projects.
11. Providing recommendation and guidance to the Contractor on EHS related aspects. This includes waste management, pollution control, incident reporting, emergency response, Job Hazard Analysis and Permit to Work.
12. Liaising with Clients and Contractors during site visits to verify the implementation of the EMPs and EHS procedures.
13. Co-ordinates all aspects of pollution control, waste management, recycling and conservation to ensure compliance with environmental legislation at corporate level.
14. Generate monthly and annual reports showing status of compliance and required actions to rectify those issues.
15. Provide technical support for environmental remediation projects and legal actions.

#### Environmental Scientist

##### *Project Procurement International*

City: Islamabad

**Country:** Pakistan

1. Perform environmental baseline monitoring and conducting on site investigations and check feasibility of the project through assessment of environmental, social and economic impacts of proposed projects.
2. Creates GIS maps for environmental and construction projects.
3. Impact assessment of project interventions including impact quantification and provision of measures for mitigation.
4. Preparation of environmental management and monitoring plan including environmental cost estimation.
5. Preparation of Resettlement Action Plan and Community Improvement Plans.
6. Provide alternatives and suggestion of mitigation measures.
7. Performed waste characterization survey of Karachi and prepared detailed reports on waste treatment, disposal and reuse of waste for Sindh Solid Waste Management Board (SSWMB), funded by the European Union.
8. Preparing IEE reports of crush plants, based on the assessment of potential environmental and social impacts.

### **Internship**

***Pakistan Council of Research in Water Resources (PCRWR)***

**City:** Islamabad

**Country:** Pakistan

1. Received and handled water samples for testing according to established protocols and procedures.
2. Conducted various water quality tests including pH, electrical conductivity, turbidity, total dissolved solids, sodium, potassium, chloride, fluorides, iron, calcium, magnesium, chlorides, bicarbonates, hardness, sulphates, nitrates, arsenic, copper, zinc, and magnesium using Atomic Absorption Spectrophotometer.
3. Performed microbiological testing using membrane filtration method, Petri films, and presence/absence test to determine the levels of E.coli, total coliforms, and fecal coliforms in the water samples.
4. Prepared detailed test reports that adhered to the Pakistan Council of Research in Water Resources (PCRWR) guidelines and standards.
5. Maintained laboratory equipment, ensured their proper functioning, and performed regular calibration and maintenance checks.
6. Conducted regular quality control checks on the testing procedures and equipment to ensure the accuracy and reliability of the test results.

### **Internship**

***Pakistan Meteorological Department (PMD)*** [ 02/07/2019 – 02/08/2019 ]

**Address:** Pitras Bukhari Rd, H-8/2, 44000 Islamabad (Pakistan)

1. Conducted research and analysis for the Glacial Lake Outburst Flood (GLOF) project under the Pakistan Meteorological Department (PMD).
2. Digitized study areas using different Hydrological tools such as Catchment of Study Area, Fill, Flow direction, Flow accumulation, Watershed, Catchment Area, NDVI, NDWI, Slope, Raster Calculator, etc.
3. Downloaded GPS data and utilized ArcGIS and web mapping applications to assist in the project.
4. Analyzed the study area using various techniques such as remote sensing, geographic information systems (GIS), DEM and other data sources.
5. Provided regular progress reports to the project team and management.
6. Participated in training sessions to improve skills in GIS and remote sensing techniques.

### **Internship**

***World wild fund (WWF-PAK)*** [ 12/03/2019 – 12/04/2019 ]

**City:** Islamabad

**Country:** Pakistan

1. Conducted a survey at local markets to gather data on the use of plastic and to raise awareness about conservation and environmental issues.
2. Volunteered time to plant trees and completed 40 hours of community work to promote conservation efforts.
3. Educated local communities and schools on environmental issues and conservation practices.

4. Developed a deeper understanding of the importance of conservation efforts and the impact of human activities on the environment.
5. Learned how to measure the average ring width of trees to estimate their age and gain insights into tree life.
6. Contributed to the mission of a large organization dedicated to protecting the environment and promoting sustainable practices.

## EDUCATION AND TRAINING

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### Master of Science Copernicus Master in Digital Earth

**University of Salzburg - Université Bretagne Sud** [ 02/10/2023 – 30/09/2025 ]

City: Salzburg, Vannes

Website: <https://master-cde.eu/>

### Bachelor of Science in Environmental Sciences

**Bahria University Islamabad Campus.** [ 11/09/2016 – 27/09/2020 ]

Address: 04408 Islamabad

Website: <https://www.bahria.edu.pk/academics/under-graduate-programs/bs-environmental-sciences/>

## LANGUAGE SKILLS

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Mother tongue(s): **Urdu**

Other language(s):

**English**

**LISTENING B2 READING B2 WRITING B2**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

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### Technical Skills

ARC GIS / Data Visualization / Python / Database Management / Water Quality Analysis / ISO 140001 Environmental Management System / Risk Assessment and analysis / Hazardous Waste Management / Research Writing / Machine learning / Environmental Audits / EIA/IEE Reporting / Hazard Identification and analysis / Occupational health assessments / Emission, Effluent and Solid Waste Management / Contaminant Assessment, Remediation and Modeling / Microsoft Office

### Non-Technical Skills

Public Speaking and Interpersonal Communication / Problem-Solving (Problem Analysis) / Team Management Team Work / Time Management

## CONFERENCES AND SEMINARS

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### Following are the Conferences attended:

1. National Conference on Climate Change in Bahria University Islamabad
2. Risk Management, Hazard Identification & Risk Assessment.
3. OSHA Safety Training Hazardous Materials.
4. Soil Contamination Impact Assessment and Remediation with Practical Case Study
5. Requirements and Implementation of ISO 17025: 2017 (Laboratory Management System)
6. Buried Pipeline Inspection Techniques: DCVG & CIP Surveys in accordance with NACE Standards

## **PROJECTS**

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**European Union (EU) Funded Project on Solid Waste Management “Waste Amount Characterization Survey in Karachi”**

**Environmental Impact Assessment (EIA) of “Wali Field Development Project in District Lakki Marwat, Khyber Pakhtunkhwa”.**

**Environmental Impact Assessment (EIA) of “Drilling of Nashpa11, Nashpa X-1, Chanda 6 and Gurgalot X-1 wells in District Kohat and Karak, Khyber Pakhtunkhwa”.**

**Environmental Impact Assessment (EIA) “Construction of Glade Vista High Rise Apartments”.**

**Initial Environmental Examination (IEE) of “12” O x 19.75 KM (Approx,) High Pressure Natural Gas Transmission Pipeline from CV3 Chiniot Valve Assembly to Allama Iqbal Industrial City Special Economic Zone (SEZ)”.**

**Initial Environmental Examination (IEE) of “Flowline from Wali Wells to Early Production Facility, Lakki Marwat KPK”.**

**Initial Environmental Examination (IEE) of “16”(Ø) x 27 KM (Approx,) High Pressure Natural Gas Transmission Pipeline starting from Ferozepur Road to Barki”.**

**Initial Environmental Examination (IEE) of “40MW Thermal Power Plant in Tehsil Dera Ismail Khan”.**

**Initial Environmental Examination (IEE) “Drilling of Tarnol-1 Well in Margalla Block”.**

**Initial Environmental Examination (IEE) “Construction of Day Care Center at Philip Morris Sahiwal”.**

**Initial Environmental Examination (IEE) “Battery Charging Area (Upgradation Project) at Philip Morris Sahiwal”.**

**Quarterly Environmental Compliance Monitoring Report “Drilling of Tarnol -1 Well In Margalla Block”.**

**Environmental Impact Assessment (EIA) “Construction of Madina Steel Re-Rolling Mills Private Limited”.**

**Environmental Impact Assessment (EIA) “Ittehad Metals 300,000 TPY Cold-Rolling Complex”.**

**Initial Environmental Examination (IEE) “Drilling and Associated Laying of Flow line Activities at Tolanj West-2 Well, Tal Block, District Kohat”.**

**Initial Environmental Examination IEE of “Crush Plants in District Bhimber, Azad Jammu Kashmir”.**

**Initial Environmental Examination (IEE) “Drilling Activities in Adhi Mining Lease”.**

**Quarterly Environmental Compliance Monitoring Report “McDonald’s F-9 Restaurant, Islamabad”.**

**Compliance Report of Environmental Approval –Construction & Drilling Phase of Tarnol-1.**