

## **Dr. Wisal shah**

Department of Environmental Sciences, The University of Haripur, Pakistan

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### **JOB OBJECTIVE**

To work in an institution that offers a creative, dynamic and challenging working environment & to supplement existing knowledge and refine learned techniques by obtaining a highly reputable position.

### **PERSONAL DETAILS**

Father Name : Ismail shah  
Date of Birth : 28-02-1984  
Domicile : Peshawar  
Nationality : Pakistani  
C.N.I C No : 17301-69 81 770-1

### **ACADEMIC QUALIFICATION**

<b>Degree /Certificates</b>	<b>Year</b>	<b>Institution</b>	<b>Division</b>
Ph.D (Environmental sciences)	2016	University of Peshawar	CGPA 3.9
M.Sc (Environmental sciences)	2009	University of Peshawar	CGPA 3.5
B.Sc (Botany, Zoology, Chemistry)	2007	University Of Peshawar	First
F.Sc (Pre-Medical)	2004	BISE Peshawar	First
S.S.C (Science)	2002	BISE Peshawar	First

### **MEMBERSHIP OF PROFESSIONAL ASSOCIATION/BODIES**

1. Member of Academic Council, The University of Haripur
2. Member Board of studies, Department of Environmental Sciences, The University of Haripur
3. Member of ASAHU Academic staff Association of the Haripur University
4. Member of FAPUASA Federation of all Pakistan Universities Academic staff Association
5. Member APUBTA All Pakistan Universities BPS teachers Association

## **MAJOR SUBJECTS**

1. Environmental Impact Assessment
2. Environmental Chemistry
3. Research Methodology
4. Environmental Monitoring
5. Natural Resources Management
6. Pollution Control Technology
7. Environmental Policies and Laws
8. Geographic Information System
9. Remote Sensing
10. Environmental Education
11. Cleaner Production Technology
12. Eco-Tourism

## **ARTICLES PUBLISHED**

1. Impacts of the Marble waste slurry on ground water quality and its reuse potential
2. Potentially toxic elements concentrations and human health risk assessment of food crops in Bajaur Agency, Pakistan
3. Characterization of Phosphorus in Fresh and Composted Manures of Different Livestock
4. Status of Occupational Health and Safety Management System in the Cement Industries of Hattar Industrial Estate, Pakistan
5. Assessment of Roadside Soil and Brassica Rapa Contamination by Heavy Metals in District Buner, Pakistan
6. Evaluation of Marble Slurry Waste for Preparation of Commercial Grade Cement
7. Study on the Performance of Wastewater Treatment Plant Designed for Industrial Effluents
8. Constraints and Opportunities for Agro Forestry in Haripur District of Pakistan
9. Assessment of Sustainable Municipal Solid Waste Management options with reference to Seasonal variations in Zone-B, Town-II Peshawar, Pakistan

10. Trans-Boundary Water Conflict between Pakistan and Afghanistan and need of Water Treaty on Kabul River
11. Assessment of drinking water quality in afghan refugee camp, district Haripur, Pakistan
12. Height growth, diameter increment and age relationship response to sustainable volume of subtropical Chir pine (*Pinus roxburghii*) forest of Karaker Barikot forest
13. Anemia in Asthmatic Females Exaggerates the Severity of Inflammation in Asthma by Inducing Dyslipidemia, High levels of IgE and Absolute Eosinophil count
14. Assessment Of Water And Sanitation System In Comparison To The Wash Standards At Afghan Refugee Camp Panian-1
15. Impact assessment of forest resources on the fauna and socio economic conditions of local community
16. Consumer's Response Towards Eco-Friendly Products: Evaluation Of Dish Washing Detergent Powder Prepared From Waste Marble Slurry
17. Assessment of drinking water quality in relation to sanitation in Haripur city Pakistan
18. Impact assessment of forest resources on the fauna and socio economic conditions of local community
19. Impacts of Water Logging And Salinity on Crops Production of Village Adina, District Swabi
20. Predicting the present growing stock for the next ten years keeping in view the dependency of local community in karaker forest swat
21. Evaluation of Land Protection Project with Focus on the Need for Environmental Impact Assessment and Public Participation: Case Study of District Malakand, Khyber Pakhtunkhwa
22. Report Impacts of Land Cover Changes on Soil Physical Properties in Galliyat, Pakistan
23. Study of Paper Mill for End-of-Pipe Treatment with Pulp recovery
24. Study of Paper Mill For Water Recycling, Hayatabad Industrial Estate, Peshawar

## **BOOK CHAPTER PUBLISHED**

Role of Pretreatment in Adsorption of Cobalt, Mercury and Nickel by Native Algae

## **CONFERENCE PAPERS**

1. Copper in the environment: Source, environmental impact, effect on human health and remediation
2. Causes of Cadmium toxicity, environment impacts, health impacts and its removal: A review
3. Arsenic toxicity, environmental impact, effect on human health and its remediation: A Review
4. Sources of Nickel toxicity, environmental impact, effect on human health and its remediation: A Review
5. Impact assessment of the earthquake (2005) on the social protection system in district Muzaffarabad
6. Comparative analysis of water and soil in relation to forest cover in galiyat region district Abbottabad
7. A review on the heavy metal Cobalt: Source, environmental impact, effect on human health and remediation
8. A review on the Chromium: Source, environmental impact, human health impacts and its remediation
9. Utilization of Native and Pretreated Macroalgae Biomass for Biosorption of Nickel
10. Effect of Pretreatment on Biosorption of Chromium by Macroalgal Biomass
11. MARBLE WASTE: A PROBLEM OR A RESOURCE?
12. Comparative status of water quantity and quality in relation to vegetation cover in Himalayan Moist Temperate Forests of Galliyat-Pakistan
13. Physicochemical and Bacteriological assessment of Potable water Quality in Haripur City Pakistan. WATER SECURITY & SUSTAINABLE GROWTH [www.directsciences.com](http://www.directsciences.com)
14. Are the Regulatory measures mitigating the Impacts of developmental activities on water resources? A case study of road construction project in the Northern mountainous areas of Pakistan. WATER SECURITY & SUSTAINABLE GROWTH [www.directsciences.com](http://www.directsciences.com)
15. Impacts of Marble Processing Effluents on Surface Water Quality; A Case study of River Barandu, District Buner, Pakistan. WATER SECURITY & SUSTAINABLE GROWTH [www.directsciences.com](http://www.directsciences.com)

16. Critical analysis of Environmental Regulatory Measures and its role in water scarcity and pollution prevention
17. Assessment of Waterborne Diseases through Social Survey
18. Quality Evaluation of Drinking Water: International Water Conference Islamabad

## TECHNICAL REPORTS

1. Environmental Impact Assessment EIA Report Amin Paper Board Mill
2. Initial Environmental Examination (IEE) Report Khyber Garden, Housing Scheme
3. EIA report of Steel Re-rolling Mill Hayatabad, Peshawar Pakistan
4. Independent Environmental Monitoring Report (IEMC) of Up gradation/ Rehabilitation of Road from Sharifabad to Kanju Swat, World Bank Project

## RESEARCH STUDENTS SUPERVISION

S.NO	PROGRAM	SUPERVISED	UNDER SUPERVISION	TOTAL
1	M.Sc	25	06	31
2	B.S (Hons)	38	06	44
3	M.Phil	03	09	12
4	P.hD	00	01	01

## STATISTICAL SKILLS

- SIMA PRO LCA
- GIS
- ILWIS
- SPSS
- SIGMA
- ENDNOTE

## TRAININGS

- Training Certificate in Elements of Emergency Action from red r UK Pakistan.
- Six month Diploma in information technology from **TTB**.
- Attending three day workshop of proposal and research report writing From University of Peshawar.

- Three month certificate in civil surveyor course.
- Expert in **GIS, GPS** tracking coordinates and Remote Sensing.
- Making reports, Presentation, Meeting Minutes and comparative statements.
- Writing, aesthetics, analytical problem solving and research.

## **PROJECT / PROGRAMME TECHNICAL SKILLS**

- As working with Project Director-University of Haripur, Contribution in developing and designing concept note, PC-1 and comprehensive Master Plan to provide a modern, efficient and stimulating infrastructure, working and learning environment to sustain world-class academic and support activities at the UoH.
- Program coordination and concepts sharing, Monitoring reports preparation and dissemination under various projects of World Bank, UN and Govt. of Pakistan.
- Of conducting information counseling, designing strategies for social/community mobilization, Field staff supervision, structuring and deploying for assigned tasks & proposed GDs
- Of FGDs, Capacity needs assessment, making & strengthening coordination with stakeholders, authorities and local working groups & possessing leadership & communication qualities etc
- Extraordinary skills of Water quality monitoring, chlorination/disinfection and proposing remedial measures for better quality, prevention of contamination, solid wastes dumping on emergency basis.

## **PROFESSIONAL EXPERIENCE**

### **1. WORK AS A LECTURER**

- Currently working as a lecturer in the department of Environmental Sciences University of Haripur since March 2014.
- Teaching at master level include: Pollution Control Technology and Environmental Impact Assessment (EIA), Remote sensing/GIS, Eco-tourism, Natural Resource Management.

- Teaching at BS level include: Cleaner Processing, Chemistry of Pollution Control and Socio-Economic Impacts of Developmental Activities, Environmental Education, Forest and wetland management.
- Teaching at M.Phil and Ph.D level include: Solid and Hazardous waste management, Pollution control technologies, Cleaner Production Technology.

## **2. WORK AS A ENVIRONMENTAL CONSULTANT (18 Months)**

- Worked as an Independent Environmental Quality Monitor with Partner in Development PID Engineering Consultants for 12 months.
- Working as a project manager in Situational analysis of Solid waste management at University of Peshawar campus a project of P& D department.
- Worked with Bridgeway consultancy services as an Environmentalist for six months to give environmentally friendly suggestion for various environmental conservatory projects.
- Worked with Ghayez consultancy services as an Environmentalist for six month to give environmentally friendly suggestion for various environmental conservatory projects.

## **3. SERVES AS A WATER QUALITY ANALYST (6 MONTHS)**

- Worked as junior chemist in Human Resource Development Society HRDS / unicef mass chlorination project in district Nowshera.
- Analysis of Drinking water quality of Government Water Supply Schemes.
- Data collection of Government Water Supply Schemes in concerned district. Chlorination, Disinfection of Government Water Supply Schemes in concerned district.
- Meeting with Health expert and sharing information about health status and situation of drinking water in concerned area.
- Arrange training of Water supply schemes operator regarding Chlorination and Disinfection practices.
- Create awareness among community about Chlorination.
- Ensuring the provision of clean drinking to IDPs in Jalojai camps.

#### **4. SERVES AS A COMMUNITY MOBILIZATION FIELD OFFICER (12 MONTHS)**

- Working in Bright Future Organization as a Community mobilization field officer.
- Work as a livelihood advisor in cash for work programe in flood affected areas of district Nowshera in ECHO funded project under the administrative control of Bright Future Organization.
- Conducting need assessment survey for the IDPs of Kurram and Aurakzai agency in four union council of district Peshawar.
- Conducting need assessment survey for the IDPs of Bajaur agency in union council Akbar Pura of district Nowshera.
- Conducting MOUs survey for shelter assessment in two union councils of district Peshawar.
- Conducting need assessment survey for NRC under the super vision of Bright Future Organization for flood affectees in district Nowshera and Charsadda.
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#### **PROJECT COMPLETED**

- Conducted Quarterly Independent Environmental Monitoring report of Upgradation / Rehabilitation of road from chakdara to madyan on the right bank of river swat under Emergency Roads Recovery Project (ERRP) for Khyber pakhtunkhwa.
- Conducted Social Survey in Spatial/ Structure Planninig project for Tehsil Khar of Bajaur Agency.
- Conducted Environmental Impact Assesment EIA study of Upgradation / Rehabilitation of road from Charsadda to Tangi under Emergency Roads Recovery **Project (ERRP)** for Khyber pakhtunkhwa.
- Conducted IEE study of Khyber Garden housing scheme on Motorway Nowshera.
- Hands on experience on Conducting EIA as an “Environmentalist” for the Amin Paper Mill (Pvt) Ltd, Hattar, Haripur.



- Worked as an “Environmentalist” Conducting EIA report of Consumer Line Steel rerolling mill (Pvt) Ltd, Hayatabad, Peshawar.
- Conducted Rapid Assessment survey for FAO (Food and Agriculture Organization) to recording Agriculture damage in District Charssadda and Mardan of Khyber Pukhtun Khwa after horrific Flash flood 2010.

### **Field of Interest**

I have an excellent expertise in serving the sectors of Health, Wash, Environmental restoration/community restoration, monitoring, coordination, field planning, reporting and research as well running of program section on official level. Further the research manuscripts and report writings are my loving profession to work on through learn and operate approaches