

# DR. ASIFA ALAM

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## Career Objective :

Dynamic and proactive individual want to leverage my expertise in environmental science, policy, and sustainability to engage and inspire students by developing and implementing innovative curricula that will encourage students to think critically and creatively about global environmental issues and their impact on global communities.

### AWARDS AND ACHIEVEMENTS

- Gold Medal in B.Sc (Hons).
- 3<sup>rd</sup> position in MPhil.
- Academic Roll of Honor.
- International publications
- Tree Plantation Award (2019) by National Forum for Environment and Health.
- Best Employee Award (2019) by Samsons Group of Companies
- Awarded by shields for paper presentation at Seminar held on World Environmental Day, 2013, 2014, 2015 by Pakistan Engineering Congress

### PERSONAL SKILLS

- Strong Work Ethics
- Strong Managerial Skills
- Effective Communication and Inter-Personal Skills
- Agile Performer
- Team Player

### REASEARCH SKILLS & EXPERIENCES

- Research Article Writing
- Review Article
- Supervision Skill with Strategic Vision
- Collaboration with International researchers

### COMPUTER AND SOFTWARE SKILLS

Proficient in

- EASEWASTE Model
- LandGEM Model
- Mendely Software
- Microsoft Word
- Microsoft Power Point
- Microsoft Excel

## PROFESSIONAL QUALIFICATION :

- **Ph. D, (A+)** Environmental Science, University of the Punjab, Lahore (2015-2022)
- **MPhil, (A+)** Environmental Sciences, Government College University, Lahore (2012-2014)
- **B. Sc (Hons), (A+)** Environmental Science, Government College University, Lahore (2008-2012)

## PROFESSIONAL EXPERIENCE :

**Assistant Professor (Environmental Sciences)** **Sep 2023 - Present**

Global Studies Department, GCU, Lahore, Pakistan

- Teach environmental sciences and natural sciences course to students
- Use innovative teaching methods, such as case studies and experiential learning opportunities, to engage students and enhance their learning.
- Conduct assigned classes and duties at the scheduled time.
- Serve as BS coordinator, LMS coordinator, academic advisor and member of board of studies

**Visiting Lecturer** **Sep 2020 - Aug 2023**

Department of Philosophy and Interdisciplinary Studies, GCU, Lahore, Pakistan

- Teach environmental science and research methodology course to students
- Co-supervising MPhil students and BS students in research
- Use innovative teaching methods, such as case studies and experiential learning opportunities, to engage students and enhance their learning.
- Conduct assigned classes and duties at the scheduled time.

**Environment, Health and Safety Specialist**

Samsons Group of Companies, Lahore **Feb. 2019-April 2020**

- Monitors the effective implementation of appropriate Safety and Environment System procedures.
- Implementation of eco-friendly practices in offices including plantation campaigns, installment of wastewater treatment plant, paper and plastic waste recycling, environmental awareness and landscaping.

**Senior Environmental Executive**

Ecogreen Pvt. Ltd **Aug. 2018-Feb. 2019**

- Prepare IEE and Environmental Impact Assessment reports of various projects i.e chemical, food, textile industry, housing schemes and poultry farms etc.
- Giving presentation of projects at EPA office
- Conducting public hearing for EIA projects

**Administrative Assistant (Research & Communication) (BS-16)**

Punjab Examination Commission **March 2016-March 2017**

- Handling office tasks such as filing, generating reports & presentations and setting up for meeting.
- Develops administrative staff by providing information and educational opportunities regarding conduct the exams of grade five and eight.

**Curriculum Developer**

KIPS School Head Office, Johar Town, Lahore

- Design detailed lesson plans of science subjects, including teaching methodology, lecture contents and number of hours required per course.
- Review and recommend textbooks and other educational material and trainings

**Lecturer**

**Feb. 2014 to July 2014**

**Govt. Postgraduate College for Women Samanabad, Lahore**

- Planned and executed lectures and seminars
- Implement the designated curriculum completely and in due time.
- Teach "Environmental Biology" and "Biodiversity and Conservation" courses in Botany dpt. and co-supervision of six research students.

## **List of Publications:**

1. Akram A, Tahir A, **Alam A**, Waheed A (2025) Livelihood vulnerability index: Assessment of climatic changes in flood affected areas of Mianwali district, Punjab, Pakitan. PLoS ONE 20(3): e0315398. <https://doi.org/10.1371/journal.pone.0315398> **(IF 2.9)**
2. Akram, A., Tahir, A., and **Alam, A.**, (2024) GIS based Flood Extent Assessment Using MODIS Satellite Remote Sensing and Spatial Analysis. *Frontiers in Earth Science*, 12, 1309629. **(IF 2.0)**
3. Akram, A., Tahir, A., and **Alam, A.**, and Khan, S., (2023) Global Climate Change Adaptation: Mitigating Flooding Impacts in Pakistan. 2023, *International Jouranl of Innovation in Science and Technology*. 5(4), 648-660 (HEC recognised journal)
4. **Alam, A.**, et al., (2022). Baseline study in Environmental Risk Assessment : Site Specific Model Development and Application. *Archives Env. Protec*, 80-88. SCIE **(IF=1.872)**
5. **Alam, A** et al., (2022) Application of LandGEM Mathematical Model for the Estimation of Gas Emissions from Contaminated Sites: A case study of Dumping site in Lahore. *Env. Protec Eng*, 69-81. SCIE **(IF=0.88)**
6. **Alam, A.**, et al., (2021). Development & application of Conceptual Framework Model (CFM) for environmental risk assessment of contaminated lands. *Saudi J. Biol Sciences*, 28, 6166-6177. SCIE **(IF=4.052)**
7. **Alam, A.**, et al., (2021). Application of EASEWASTE model for assessing environmental impacts from solid waste landfilling. *Archives Env Protec*, 84-92 SCIE **(IF=1.872)**
8. **Alam, A.**, et al., (2017). Ecological risk assessment of an open dumping site at Mahmood Booti Lahore, Pakistan. *Env Sci Poll Research*. 24(21) :17889-17899. SCIE **(IF=5.19)**
9. **Alam, A.**, et al., (2014). Comparative Toxicity of Acetamiprid and *Azadirachta indica* Leave Extract on Biochemical Components of Blood of *Labeo rohita*, *Pakistan J. Zool.*, 46(6),1515-1520. SCIE **(IF=0.687)**
10. Mary, R., Nasir , R., **Alam A**, Tariq A., Nawaz, R., Javied, Zaman, Q., Islam, F., Khan, S.N., (2023), Exploring hazard quotient, cancer risk, and health risks of toxic metals of the Mahmood Booti and Lakhodair landfill groundwaters, Pakistan, *Environmental Nanotechnology, Monitoring & Management*,20, 100838.
11. Arooj, A., Majid, M., **Alam, A.**, Bilal, F., (2022) Assessment of workplace safety climate among power sector employees: a comparative study of cross-culture employer in Pakistan. *PLOS One*, 17(8),1-15. SCIE **(IF=3.752)**
12. Butt, T.E., **Alam, A.**, Gouda, H.M., Paul, P., Mair, N., (2017). Baseline study and risk analysis of landfill leachate – current state-of-the-science of computer aided approaches. *Science of the Total Environment*, 580, 130–135. SCIE **(IF=10.754)**
13. Butt, T.E., Gouda, H.M., **Alam, A.**, Javadi, A, Nunns, M, A., & Allen, T.J., (2017). Baseline study in environmental risk assessment : Escalating need for computer models to be whole-system approach. *Critical Reviews in Environmental Science and Technology*, 1547-6537 SCIE **(IF=11.750)**
14. Butt, T.E., Gouda, H.M., Baloch, M.I., Paul, P., Javadi A., **Alam A.**, (2014) Literature review of baseline study for risk analysis — The landfill leachate case *Environment International* 63, 149–162 **(IF=13.35)**
15. Maqsood, S., Benjakul, S., Abushelaibi, A., and **Alam, A.** (2014). Phenolic Compounds and Plant Phenolic Extracts as Natural Antioxidants in Prevention of Lipid Oxidation in Seafood :A Detailed Review. *Comprehensive Reviews in Food Science and Food Safety*, 13 (6), 1125-1140 SCIE **(IF=15.786)**

## **Seminar/Conference proceedings:**

1. **Asifa Alam** & Tooba Ahmad., 2024. A Holistic Approach to address food insecurity for Sustainable Development and climate resilience. International conference on sustainable development in Pakistan: Exploring Progress on Goal 5 & 8 conducted by University of Home Economics on 19<sup>th</sup>-21th March 2024.
2. C. House; N. L. Jordan; T. E. Butt; J. Kwan; **A. Alam**. 2017. Perception versus Skepticism – An environmental communication issue and Climate Change. **World symposium on sustainability science, Manchester, UK**.
3. **Asifa Alam**, et al.,. 2013. **A Review of Global Food Security**: Production, Wastage, Shortage and Solutions. Seminar held on World Environmental Day 5<sup>th</sup> June 2013, Pakistan Engineering Congress.
4. **Asifa Alam**, et al., A Review on Sustainable Consumption and Production to Prevent Resource Exploitation in order to save our Planet. Seminar held on World Environmental Day 6<sup>th</sup> June 2015, 74<sup>th</sup> Session, Pakistan Engineering Congress.
5. Mohy-u-Din et al., **Asifa Alam**. "A review on the ambient air pollution due to particulate matter and heavy metals" at 1<sup>st</sup> International conference on Environment and Development held at GCU, Lahore in 2014.

## **BOOK CHAPTERS :**

1. House, C.; Jordan, N. L.; Butt, T. E. ; Kwan, K. **Alam, A.** 2018, Chapter Title : 'Perception versus Skepticism – An environmental communication issue and climate change', *Handbook of Sustainability Science and Research – World Sustainability Series*, pp. 893 – 901.
2. **BOOK : Asifa Alam**. 2014. Toxicity potential of biopesticide and chemical pesticide. Comparative Studies on the toxicity potential of biopesticide and chemical pesticide on *Labeo rohita*. LAP Lambert Academic Publishing.

## **REVIEWER :**

Reviewed research paper of following journal

1. Bulletin of Atmospheric Science and Technology (2025)
2. Environmental Earth Sciences (2024)
3. Environmental Monitoring and Assessment (2023)
4. Achieves of Environmental Protection

## **CONFERENCES AND SEMINARS PARTICIPATIONS:**

- Delivered an **Environmental Awareness Session** at Herbin Electric International-HBS II on May 21, 2025, as part of a community service campaign for World Environmental Day 2025.
- Delivered a lecture on **Green Energy and sustainable practices** with the **Green Enviro Club, a council of Pakistan Youth Parliament** on March 15, 2025.
- Participated in Panel talk of **Symposium on Environment innovation and advocacy** on World Environment Day 5th June 2024 by Lahore Medical & Dental College and University of Biological and Applied Sciences.
- Participated in **LWMC Road Show 2024** on Solid Waste Management Solutions in Punjab.
- Participated in International **Alltech Young Scientists Competition 2014**.
- Presented review paper at Seminar held on World Environmental Day 5<sup>th</sup> June 2013, by Pakistan Engineering Congress.
- Attended seminar on "Rain Water Harvesting of urban areas" held on 31<sup>st</sup> Aug 2013, at Alhamra Hall, Lahore.
- Attended Seminar on "Solid Waste Awareness and Role of women in Cleanliness" held on 26<sup>th</sup> March 2014, at Postgraduate Government College for Women, Samanabad Lahore.
- Attended seminar on "Dengue Awareness" held on 3<sup>rd</sup> May 2014, at Postgraduate Government College for Women, Samanabad Lahore.
- Presented review paper at Seminar held on World Environmental Day 5<sup>th</sup> June 2014, by Pakistan Engineering Congress.
- Attended **2<sup>nd</sup> Turkey Pakistan workshop** on "Urban Water and Waste Water Systems" held on 20<sup>th</sup> Oct 2014, by Urban Unit at Flettis hotel, Lahore.
- Participated in Seminar on "GIS in Municipal Asset Management and Urban Transport System" held on World GIS Day 19<sup>th</sup> November 2014, by Urban Unit at Flettis hotel, Lahore
- Presented documentary and review paper at Seminar held on World Environmental Day 5<sup>th</sup> June 2015, by Pakistan Engineering Congress at PC Hotel, Lahore.
- Attended **one day course on "Contaminated Site Assessment"** held at the College of Earth and Environmental Sciences, University of Punjab Lahore, Pakistan on February 17, 2016.
- Attended 2<sup>nd</sup> International Conference on Emerging Trends in Earth and Environmental Sciences, (ETEES March 04-06, 2020) held at College of Earth and Environmental Sciences, University of the Punjab, Lahore
- Participated in poster competition held by Sustainable Development Study Center, GC University Lahore to celebrate World Environmental Day 2010.
- Attended Third International Botanic Garden Conference held on 2<sup>nd</sup>-4<sup>th</sup> Feb 2012 at Government College University, Lahore.

## **INTERNSHIP, WORKSHOP AND TRAININGS :**

- Attended 1 day Training workshop on EPCCD Capacity building workshop on Environmental and social safeguards in development projects on May 15, 2025.
- Attended two days workshop on Qualitative Data Analysis and Interpretation through NVIVO software. July 10-11, 2024. Organized by GCU Lahore
- Organized and conducted workshop on "Empowering Youth for Sustainable Waste Management" by Dr. Asifa Alam on April 3, 2024.
- Organized workshop on " Climate Change as a global challenge" for BS students of GCU Lahore on Jan 8, 2024.
- Attended 1 day training program on **Mastering Personal Excellence** by Institute of Knowledge and Leadership delivered at Faletti's Hotel, Lahore on November 22, 2019.
- WWF – Pakistan Eco Internship 2011
- 1 day **teacher training workshop on teaching styles and delivery** skills by ASAD-EMS held at Royal Palm and Country Golf Club.
- **English Conversation course** from British Education and Training System (BETS)
- Attended 3-Day Training Workshop on "Introduction to Air Quality and Near Field Dispersion Modeling Using USEPA AERMOD" scheduled from 18-20, 2019 in at College of Earth and Environmental Sciences, University of the Punjab, Lahore