

Dr. Mehwish Akram

Mrs. Haroon Akhtar
D/O Muhammad Akram
Assistant Professor (Adhoc), Institute Of Geology,
University of the Punjab, New Campus,
Lahore, Pakistan.



Personal Profile

Date of birth: 22-07-1982
NIC: 35201-1379251-4
Domicile: Lahore (Punjab)
Religion: Islam
Marital status: Married

Contact Information

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Qualifications

2018 **PhD (Chemistry)**
Institute of Chemistry, University of the Punjab.

2006-2008 **M.S. (Analytical Chemistry)**
Institute of Chemistry, University of the Punjab
Marks obtained =81.45%
C.G.P.A. = 3.97

2001-2005 **BSc. (Hons.) (Chemistry)**
Institute of Chemistry, University of the Punjab
Marks obtained =81.03%
C.G.P.A. = 3.84

1998-2001

Intermediate (Pre-Medical)

Govt. Islamia College for women, Cooper road Lahore.

Marks obtained = 72.45 %

1996-1998

Matriculation

Queen Mary College Lahore

Marks obtained = 77.88%

Achievements

- I got 2nd position in M.S. Analytical Chemistry, from Institute of Chemistry, University of the Punjab, Lahore.
- Merit Scholarship in MS from institute of chemistry, University of the Punjab.
- First Class academic career.
- I got Certificates as member of “Food Committee” and “Participation” for active participation in 18th National Chemistry Conference held in Institute of Chemistry, University of the Punjab, Lahore.

Professional Experience

- Currently working as “**Assistant Professor (Adhoc)**” in *Institute of Geology, University of the Punjab* from 22nd December 2018 to date.
- Worked as “**Lecturer**” in *Institute of Geology, University of the Punjab* from 17th April 2014 to 22nd December 2018
- 2 years and 5 months Experience of “**Forensic Scientist**” in the Punjab Forensic science agency, Lahore.
- 3 years and one month Experience of “**Research Scholar**” in *Institute of Chemistry, University of the Punjab*.
- 8 month Experience of “**Laboratory Demonstration**” in *Institute of Chemistry, University of the Punjab*.
- Teaching BS and MS classes in the Analytical Section in *Institute of Chemistry, University of the Punjab*.
- 6 month experience of teaching as visiting lecturer in the Kinnard College for Women.

- Teaching BS classes as visiting lecturer in the Institute of Biochemistry and Biotechnology, University of the Punjab.
- **HPLC Analysis**
 - Effect of cooking losses in different vegetables and Quantification of vitamin C and Vitamin E by HPLC.
 - Quantification of beta carotene from carrots by reversed phase HPLC.
 - Quantitative estimation of Montelakast, Bambeturool and Losartin Potassium drug by reversed phase HPLC.
 - Quantification of alpha tocopherols from different seeds and nuts by reversed phase HPLC.
 - Quantitative estimation of Sodium Benzoate and Potassium Sorbate in different food products by UV-Visible spectrophotometry and HPLC.

Publications

1. Post flood water quality discrepancies in Physiochemical Scenarios, Sialkot, Pakistan, Int'l Journal of Advances in Agriculture and Environmental Engg.(IJAAEE) ,3(1),2016 ISSN2349-1523EISSN2349-1531.
2. Effect of temperature variations during cooking and storage on Ascorbic acid contents of vegetables: A comparative study, Journal of Chemical Society of Pakistan, 34(1), 2013, 1-4. **(Impact Factor: 0.393).**
3. Statistical of Analysis and Quantification Alpha Tocopherol in Edible seeds and Nuts of Pakistan by Reverse phase HPLC with UV/Visible Detector, Journal of Chemical Society of Pakistan, 34(2), 2012, 303-305. **(Impact Factor: 0.393).**
4. Chemistry of Ice: Migration of Ions and Gases by Directional Freezing of Water, Arabian Journal of Chemistry (Accepted for publication). Reference No. ARABJC 336, DOI: 0.1016/j.arabjc.2011.02.019 **(Impact Factor: 3.298).**
5. Removal of Chromium from water using Peas waste – green chemistry approach, Green Chemistry Letters and Reviews , 3(3), 2010, 239 – 243. **(Impact Factor: 1.216).**
6. Synthesis of Tallow Based Esterquat, journal of Scientific Research, 40(1), 2010, 31-36.

Dissertation

M.S Topic: “Synthesis of Tallow based Esterquat for Fabric Softening”

Ph.D Topic “Photocatalyzed Degradation of Synthetic dyes from Textile Dyeing Effluents”

Basic Skills

- MS word
- MS Excel
- Power point
- Chems sketch
- Endnote

Technical Skills

Instrument handling skills for

- UV-Visible Spectrophotometer
- High Performance Liquid chromatography
- Atomic Absorption Spectrophotometer
- Flame Photometer
- Gas Chromatography Mass Spectrometry
- FTIR and ATIR

Committee Member

- ❖ Member of Disciplinary Committee in Institute of Geology, University of the Punjab, Lahore
- ❖ Member of Student Sports Committee in Institute of Geology, University of the Punjab, Lahore

Conferences / Seminar/ Workshop attended

1. Participated in **ICORE 2019, 7th International Conference on Research in Education**, held on 19th November to 21st November 2019 at Institute of Education and Research, University of the Punjab, Lahore –Pakistan.
2. Participated in **2nd GRIP,s International Conference on Pharmaceutical & Biochemical Sciences (IC-PBS) 8th Pak Pharma & Healthcare EXPO 2019**, held on 15th January 2019 to 17th January 2019 at Expo center Lahore.
3. Participated in One day work shop on **Energy Efficiency and Conservation** “held on 17th April 2019, at Al Razi Hall, Center for Undergraduate studies in University of the Punjab, Lahore.
4. Participated in Work shop on **“Countering Violent Extremism Orientation”** held on 6th to 7 February 2018, organized by University of the Punjab, Lahore and Center for Health and Gender Equality (CHANGE).
5. Attended International World Book and Copy right Day seminar on **“Book through the Ages and its Implications”** held on 20th April 2017, presided over by Prof Dr. Zafar Mueen Nasar organized by Department of Information Management at Al Razi Hall, Center for Undergraduate studies in University of the Punjab, Lahore.
6. Participated in National conference on **“Join the race to make the world a better place world environment day”** held on 4th June 2016, organized by Royal Society of Chemistry at Ambassador Hotel, Lahore.
7. Attended seminar on **“Kashmir Solidarity Day** “held on 5 February 2016, presided-over by Prof Dr. Mujahid Kamran in collaboration with Pakistan Study center at Center for Undergraduate studies in University of the Punjab, Lahore.
8. Attended seminar on **“Quaid-i-azam ka Tasavar-e-Pakistan** “held on 16 August 2016, at Al Razi Hall, Center for Undergraduate studies in University of the Punjab, Lahore.
9. Attended seminar on **“preparation of geological Maps in GIS** “held on 25-29 Jan 2016, organized by Institute of Geology University of the Punjab.

10. Attended seminar on **“Biosequence stratigraphy A tool to understand Basin History”** held on 4th Feb 2016, organized by Institute of Geology University of the Punjab
11. Attended seminar on **“Introduction to hydrocarbons prospectivity”** held on 7 March 2016, organized by Institute of Geology University of the Punjab.
12. Attended seminar on **“Hydrocarbon Exploration Techniques using surface Geology, Subsurface Seismic and well date”** held on 22-23 Oct 2016, organized by Institute of Geology University of the Punjab
13. Attended seminar on **“Pakistan Defence Day”** held on 7 September 2015, presided over by Prof Dr. Mujahid Kamran at Faisal Auditorium in University of the Punjab, Lahore.
14. Attended seminar on **“Water issues of Pakistan”** held on 27 March 2015, organized by Punjab Geological society in collaboration with Institute of Geology, University of the Punjab.
15. Participated in Conference on **“GC Technology and Sample Preparation”** held at Avari on 24-01-2014 by Agilent Technology.
16. Participated in **International Conference of Toxicology** held at Department of Pharmacology and Toxicology, University of Veterinary and Animal Sciences, Lahore on 26-27 January, 2012, in Collaboration with Department of Clinical Neuroscience, University of Cambridge, UK and HEC Islamabad, Pakistan.
17. Attended **“National Seminar on Pharmaceutical Industry in 21st Century Challenges & threats”**, held on 03 May 2012, organized by PCSIR Laboratories Complex Ferozpur Road, Lahore.
18. In Workshop of National Stake Holders on **“Management of Mercury and Mercury containing Waste in Pakistan”** held in Avari on 30-07-2009 under the Ministry of Environment, Government of Pakistan
19. Participated in **18th National Chemistry Conference** held in Institute of Chemistry, University of the Punjab, Lahore on 22-27th February, 2008 as a member of organizing committee and also gave poster presentation on the topic **Synthesis of Tallow based Esterquat for Fabric Softening**

References

1. DR. SHAHID JAMIL SAMEENI

Director/ Professor,
Institute of Geology,
University of the Punjab, Lahore.

2. DR. NAVEED AHSAN

Professor,
Institute of Geology,
University of the Punjab, Lahore.