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# MEHREEN FATIMA



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Date of Birth: 14/06/1989

Nationality: Pakistani

## Qualifications

**Master of Philosophy (M.Phil) Analytical chemistry**, University of the Punjab, Lahore, Pakistan, 2012-2014.

**CGPA: 3.94, Grade A<sup>+</sup>.**

**Bachelor of Science (BS) Chemistry**, University of the Punjab, Lahore, Pakistan, 2008-2012.

**CGPA: 3.70, Grade A.**

**Faculty of Science (FSc-Pre Medical)**, Chenab College Jhang, BISE Faisalabad, Pakistan, 2005-2008.

**Percentage 84%, Grade A<sup>+</sup>.**

**Matriculation (Matric)**, Chenab College Jhang, Board of Intermediate and Secondary Education (BISE) Faisalabad, Pakistan, 2003-2005.

**Percentage 86%, Grade A<sup>+</sup>.**

**Bachelor of Education (B.Ed) Science**, Allama Iqbal Open University, Islamabad, Pakistan.

**Percentage 69%, Grade B<sup>+</sup>.**

## Distinction

Awarded with Certificate of Appreciation in "PASTIC-UAF-ONE-DAY STEM & IT INNOVATIONS EXPO" held at University of Agriculture Faisalabad.

- Awarded with 2<sup>nd</sup> Position holder Shield and Distinction Certificate in M.Phil. (2015).
- Achieved 99% Percentile in GAT Subject (2014).

## Scholarships

- Awarded with Doctoral Programme Coordination Committee (DPCC) scholarship in M.Phil (2013-2014).
- Awarded with Merit Scholarship twice in BS chemistry (2009-2010).
- Awarded with Merit based Laptop from Punjab Government (2011).

## Extracurricular Activities

- Awarded with certificate of Distinction as winner in the Tug of War at Sports Gala in Institute of chemistry Punjab University, Lahore, Pakistan (2014).
- Awarded with participation Certificate as Naat Khawan in Eid Milad-e-Nabi at Hazrat Hafsa(R.A) Hall, Girls Hostel No.8 University of the Punjab, Lahore, Pakistan (2014).
- Awarded with Certificate of Distinction as winner in the Cricket at Annual Sports in Institute of chemistry Punjab University, Lahore, Pakistan (2012).
- Awarded with Certificate of Merit as 2<sup>nd</sup> position holder in Volleyball in Chenab College Jhang, Pakistan (2005).

## Seminars/Workshop Conferences

- As member of Technical committee and chaired a session for 1<sup>st</sup> International Conference (Online) Trends and Research in Chemistry (TRIC-2022) organized Department of chemistry, DSNT Lahore on January 18-19 2022.
- Attended workshop on High Performance Liquid Chromatography (HPLC), at School of Physical Sciences in collaboration with Office of Research Innovation & Commercialization (ORIC) University of the Punjab, Lahore (2012).
- 25<sup>th</sup> National and 13<sup>th</sup> International Chemistry Conference on Chemistry: the vision for emerging sciences (Oct 20-22, 2014) Punjab university Lahore, Pakistan.
- Attended seminar and Walk on World Forest Day organized by Punjab Forest Department at Jallo Forest Park, Lahore (2014).
- Organize "One Day National Seminar on Cancer- A Growing Problem." at University of Education Faisalabad Campus, Faisalabad, Pakistan (2018).
- Organize International Symposium on Challenges of Cancer at UE Faisalabad Campus.

## Skills.

- Operated High Performance Liquid Chromatography (HPLC) in Research Laboratory of Institute of Chemistry Punjab University, Lahore, Pakistan.
- Operated Conductometer, Ion selective Electrode, Centrifuge Machine, UV/Vis Spectrometer and pH Meter in Analytical Chemistry Research Laboratory of Institute of Chemistry Punjab University, Lahore, Pakistan.
- Analyzed samples by Thin Layer Chromatography (TLC), Column Chromatography (CC), Paper Chromatography, Atomic Absorption Spectrometer (AAS) and Flame Emission Spectrometer (FES) in Institute of Chemistry Punjab University, Lahore, Pakistan.
- Analyzed research samples by Solid Phase Extraction Apparatus (SPE) in Institute of Chemistry Punjab University, Lahore, Pakistan.

## Research Work

- Novel Sonochemical single step fabrication of NiO nanoparticles.
- . Grafting of Silica particles with Linoleic acid via modified Stober's method for preconcentration of pesticides in drinking water.
- . Determination of antioxidant and photochemical potential of novel synthesized Cardioprotective medicine.

## Research Experience

- Worked with Mr. Naeem, an officer of Applied Chemistry Research Center in Pakistan Council of Scientific and Industrial Research (ACRC-PCSIR), 2014.
- Worked in Laboratory of Health Center of University of Punjab Lahore (PU), 2012.
- Worked under the supervision of Dr. Rauf, in Laboratory of Center of Environmental Protection Studies in Pakistan Council of Scientific and Industrial Research (CEPS-PCSIR), 2012.
- Worked under the supervision of Dr. Salman, in Laboratory of Biotechnology and Food Research Center in Pakistan Council of Scientific and Industrial Research (BFRC-PCSIR) 2012.

## Publications/Poster Presentation

- Novel Sonochemical single step fabrication of NiO nanoparticles (Digest journal of Nanomaterials and Biostructures, 2016).
- Participated in poster competition at 25<sup>th</sup> National and 13<sup>th</sup> International chemistry conference 2014, institute of chemistry Punjab University Lahore.
- Poster presentation of "Grafting of Silica Particles with Linoleic acid via modified Stober's method for preconcentration of Pesticides in Drinking Water." at 15<sup>th</sup> International Symposium on Advanced Materials 2017, Islamabad, Pakistan.
- Grafting of Silica Particles with Linoleic Acid via Modified Stober's Method for Preconcentration of Pesticides in Drinking Water(Key Engineering Materials, 2018)

- Book Title: “Graphene, Nanotubes and Quantum Dots-Based Nanotechnology”
- Fundamentals and Applications
- Chapter No: 22
- Chapter Title: Carbon Nanostructures and 2D Transition Metal Dichalcogenides
- Editor: Prof. Dr. Yarub Al-Douri,
- Publisher [Elsevier Science Publishing Co Inc](#)
- Imprint Woodhead Publishing Publication Date: 29 July 2022

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## References

References will be provided on request.