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**Personal Details**

Date of birth	06-August-1989
Nationality	Pakistan
Gender	Female
Marital Status	Unmarried
Languages Known	Urdu (Mother Tongue), English (Fluent)

**Academic Record:**

Sep 2013 –July 2015

Master of Science in Analytical Chemistry  
**Lahore College for Women University, Lahore Pakistan.**  
**(CGPA: 3.92)**

**First class with Role of Honor**

Principle subjects

Environmental Analysis, Laser Spectroscopy, Electron Spin Resonance Spectroscopy, Advanced Emission Spectroscopy, Quality Assurance & Quality Control, Thermal Method of Analysis & Bioanalytical Methods

Sep 2009-July 2013

Bachelor of Science in Chemistry  
(BS (hons). Chemistry)  
**Lahore College for Women University, Lahore Pakistan.**  
**(CGPA: 3.92)**

**Practical Experiences****Lecturer**

Oct 2016 to till date

**Beaconhouse School System**

working as a Senior Chemistry lecturer.

- Developed and implemented programs to encourage student participation.
- Help to make lesson plans and activities according to the grade levels supervised others in the maintenance and enforcement of school policies.
- Participated in leadership training and community building workshops.
- Assist in the coordination and implementation of community service and student affairs activities
- Prepare the students for science national and international competitions.

**Lecturer**

Aug 2015-June 2016

**Rosans Islamic School**

Worked as Senior Chemistry Teacher

- Teach chemistry to O levels classes to a diverse array of students of varying ages and abilities
- Created multicultural lesson plans
- Incorporated technology into the classroom
- Implemented a variety of teaching tools to accommodate all learning styles
- Plan and organize hands-on activities that encourage active student participation, involvement, and team work Maintain an orderly,

peaceful, and positive learning environment, applying disciplinary measures when necessary

- Foster and encourage critical thinking and analysis about art and society

**Subject specialist**

Aug 2013-Dec 2013

**Lahore College for Women University, Lahore**

Taught subjects of Basic Analytical Chemistry Concepts & Chromatographic technique to the Bachelor students of Chemistry Department.

**Research Projects:**

**1. Incidence of Mycotoxins in Local and Branded Samples of Chocolates Marketed in Pakistan.**

- To evaluate the degree of total aflatoxins and ochratoxin A contamination in different samples of bitter, dark, milk, and white chocolates marketed in Pakistan
- Analysis of 200 samples of chocolates, 100 branded and 100 local, were analyzed for mycotoxins profile by HPLC-FLD.
- The first report on the occurrence of mycotoxins in branded and non-branded samples of chocolates from Pakistan.
- To ensure safe consumption of chocolates, the monitoring of mycotoxin occurrence in them is a matter of great concern and more studies are required to comprehend the production of mycotoxins in these products.

**2. Quantitative Scrutinization of Aflatoxins in Different Spices from Pakistan – *Master Thesis* project at Lahore College for Women University, Lahore Pakistan.**

- To access the contamination level of aflatoxins B1, B2, G1, and G2 in the household spices that are widely consumed in huge amount.
- Analysis of 200 different spice samples, 100 packed and 100 unpacked, were analyzed for the aflatoxins profile by HPLC.
- The first report on the occurrence of aflatoxins in packed and unpacked samples of spices from Pakistan
- To ensure safe consumption of spices, there should be constant monitoring of aflatoxin and more studies need to be executed with the intention of preventing mycotoxin accretion in this commodity.

**3. Analysis of Water Soluble Vitamins (Thiamine, Nicotinamide and Pyridoxine) in Fortified Infant Food Products by HPLC– *Bachelor research* at Lahore College for Women University, Lahore Pakistan.**

- To evaluate the levels of fortification of three water soluble vitamins i.e. thiamine (B1), nicotinamide (B3) and pyridoxine (B6) in a variety of foodstuffs include milk products and cereals for young children.
- Twenty food samples were chosen for analysis because of their common utilization in the local area and the vitamin concentrations were determined by high performance liquid chromatography with C18 column with a gradient of mobile phase made of water and acetonitrile and a diode array detector set at 280 nm.

**4. Study of Complexation of Methyl Salicylate with rare earth metals (La, Ce, Gd) and their anti-bacterial activity– *Bachelor research thesis* at Lahore College for Women University, Lahore Pakistan.**

- To synthesize and study the complex formation of methyl salicylate with rare earth metals like La, Ce and Gd with the help of FTIR and UV-Vis Spectroscopy.
- The microbial property of the prepared complexes were checked by anti-bacterial activity.

## Computer Proficiency

Chemsketch software, Chemdraw, IBM SPS Statistics 20.0

## Workshops, Conferences & Audit:

1. **Grade Auditor from "Center for Economic Research in Pakistan (CERP)" on the Education Program from 25<sup>th</sup> June 2018 to 20<sup>th</sup> July 2018.**
2. 5 days' workshop on the professional development courses organized by **BEACONHOUSE School System** under the name of **"Developing Reflective Practitioners (DRP)"** in Oct 2017
3. 3 days' workshop on the professional development courses organized by **BEACONHOUSE School System** under the name of **"Beginning Teachers' Preparatory Programme (BTPP)"** organized by BEACONHOUSE School System in Sep 2017.
4. 3 days' workshop on the professional development courses organized by **British council** under the name of **"Masters Teacher Training Programme"** in August, 2017.
5. **1st international Conference on Forensic and Medical Sciences held in GC University Lahore. 2013**
6. One day **Seminar on Atomic Absorption Spectroscopy held in LCWU Lahore. 2013**
7. One day **Workshop on Interview Skills held in LCWU Lahore. 2013.**

## Publications

- 1- **Narjis Naz, Aiza Kashif, kinza kanwal, Humayun Ajaz,**. "Incidence of Mycotoxins in Local and Branded Samples of Chocolates Marketed in Pakistan." **Journal of Food Quality**, Volume 2017, Article ID 1947871, 8 pages. **Impact factor 0.841** (According to 2017 Journal Citation Report)
- 2- **Narjis Naz, Aiza Kashif, kinza kanwal, Abdul Muqeet Khan, Mateen Abbas.** "Quantitative Scrutinization of Aflatoxins in Spices from Pakistan." **International Journal of Analytical Chemistry**, Volume 2016, Article ID 4907425, 7 pages. **Impact factor 1.479** (According to 2017 Journal Citation Report)
- 3- **Narjis Naz, Aiza Kashif, Warda Sheikh.** "Analysis of water soluble vitamins (Thiamine, Nicotinamide, and Pyridoxine) in Fortified infant food products by HPLC." **Oriental Journal of Chemistry**; Vol. 32 (2), page 1-7, 2016. **Impact factor 0.61** (According to 2017 Journal Citation Report)

## References:

- 1- **Dr. Shehzad Sharif**  
Assistant Professor  
HEC Approved PhD Supervisor  
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Material Chemistry Lab  
GC, University Lahore  
Email: [mssharif@gcu.edu.pk](mailto:mssharif@gcu.edu.pk)
- 2- **Dr. Erum Hussain**  
Associate Professor  
HEC Approved PhD Supervisor  
Department of Chemistry  
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