

Madeeha Shabnam

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Nationality: Pakistani

Objectives

- To land a job as a teacher and apply my commitment to provide the high-quality education needed for a child's growth.
- Develop and promote creativity and high-order thinking skills that increase the performance of the students.
- To establish a sustainable career path as an educator by staying up to date with innovative teaching technologies and providing countless opportunities for professional development.
- To utilize my expertise in educational technology and online instruction to effectively engage students through distance learning.

Academic Background:

- **PhD CHEMISTRY** *In progress*
Institute of chemical sciences university of Peshawar (2023)
- **M.PHIL CHEMISTRY** (Inorganic) (2020-2022)
 - Bacha khan university, Charsadda (BKUC), Pakistan
CGPA: **3.91/4**

Research Title: 'Investigating the binding behavior of 4,4-diamino-2,2 stilbene disulfonic acid by using UV-Visible and Fluorescence spectroscopy,

- **M.Sc CHEMISTRY** (Inorganic) (2015-2017)
 - Shaheed Benazir Bhutto women university, Peshawar, Pakistan
CGPA: **3.64/4**

Research Title: 'Biochemical Analysis and Mineral Composition of Methanolic Extract of Astragalus Gummifer,

- **BSC :** (2013-2015)
 - Shaheed Benazir Bhutto women university Peshawar
Percentage: **1st division**

- **F.Sc (Pre-Medical)** (2012)
Institute: B.I.S.E Abbottabad
 - **S.S.C (Science)** (2010)
Institute: B.I.S.E Peshawar
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Professional Experiences:

- **Research Lab Supervisor:** 2 months experience as lab supervisor at Bacha Khan University Charsadda (2022)
- **Lecturer:** Worked as a lecturer for 2 years at Jinnah college Charsadda (2019-2020)
- **Lecturer:** Worked as a lecturer for one year at Bacha Khan University Charsadda (2022-2023)
- **Lecturer (BPS):** Currently working as a lecturer at Women University Mardan (2023 - till now)

Research Experience:

Completed Projects:

1. "Bioassay guided isolation of secondary metabolites and preparation of herbal formulation for Cardioprotection from *Senecio Asirensis* in Saudi Arabia"
2. "Radiopharmaceutical development and nuclear imaging for the diagnosis of non-small-cell lung cancer (NSCLC) from various radiometals(In, Lu) "



Research Publication(s):

1. Hamsa Noreen¹, **Madeeha**² et al "Biochemical Analysis and Mineral Elements Composition of Methanolic Extract of *Astragalus Gummifer*" Biomed J Sci & Tech Res 20(1)-2019. BJSTR. MS.ID.003387
2. Osama M. Alshehri¹, **Madeeha Shabnam**² et al, "Isolation, invitro, invivo anti-inflammatory, analgesic and antioxidant potential of *Habenaria plantegania Lind*" Received: 5 November 2023 / Accepted: 27 December 2023
3. Saeed Ahmed Asiri¹, **Madeeha Shabnam**² et al, "Evaluation of *Habenaria aitchisonii* Reichb. for antioxidant, anti-inflammatory, and antinociceptive

effects with *in vivo* and *in silico* approaches" Front. Chem., 19 March 2024, Sec. Organic Chemistry, Volume 12 - 2024

4. Muhammad Saeed Jan, Waqas Alam and **Madeeha Shabnam**, "Fundamentals Applications of Controlled Release Drug Delivery"

Submitted: 29 August 2023 Reviewed: 25 September 2023 Published: 06 December 2023

Research interest

- Biosensor designing
- Metal detection using spectroscopic techniques
- Characterization
- Biochemical analysis
- Nutritional profile
- Metallic screening
- Antioxidant activities
- Antimicrobial activities

Professional Skills:

- UV-spectrophotometer,
- Fluorescence spectroscopy
- pH meter
- FT-IR
- GCMS
- SEM
- XRD

Subjects Studied

- Inorganic Chemistry
- Coordination Chemistry
- Organometallic Chemistry
- Environmental Chemistry
- Molecular Spectrophotometry
- Atomic spectroscopy
- Crystallography
- Nuclear and Radio Chemistry
- Mass Spectrometry
- Metallurgy
- Applied Chemistry

- Biochemistry
- Analytical Chemistry
- Surface Chemistry

Computer Skills:

- Diploma in DIT, MS Windows, MS Office, Chem Draw, X'Pert, Origion Pro, EndNote, Sigma Plot , Miscrosoft Power Point, LMS (Module) etc

Undergraduate students /research students

Currently supervising 10 students of BS session 2020-2024

Conferences, Workshops, and seminars:

- Awareness about different diseases organized by the science society of the city district college for women Peshawar.
- As an organizer in Role of students and teachers in the fight against corruption (2021)
- One day seminar on effectively utilizing word processor for thesis writing at Bacha khan university Charsadda (2022)
- As an event organizer women chamber of commerce and industry KP Different events for startups and entrepreneurship (2022)
- 5th international on inclusive and sustainable development through quality education and gender equality (2023)
- 6th international conference on Scientific outlook and sustainable development goals (2024)
- One day Training workshop by department of chemistry Women University Mardan on” Academic and scientific writing” (2024)

Awards achieved:

- Award of merit certificate in M.phil at Bacha khan university Charsadda
- Best Student Award in MSc at Shaheed Benazir Women University Peshawar

Language Skills:

- Urdu (Fluent)
- Pushto (Fluent)
- English (Professional)

Personal Aptitude:

- Collaborative and eager to work in team environment.
- Proficient English writing and communication skills.
- Easy to adjust in multicultural research/lab environment.

References:

1. Prof. Dr. Syed qaiser shah

Professor, Director,

Institute of chemical sciences university of Peshawar,

Email: qaisershah@uop.edu.pk

2. Dr. Muhammad Iqbal

Associate professor,

Department of Chemistry

Bacha khan university Charsadda

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