

Madiha Mahmud

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EDUCATION

- **Master of Philosophy (Biochemistry/Molecular Biology) 2012-2014**
From: Quaid -i- Azam University Islamabad Pakistan (82%)
- **Masters of Science (Biochemistry/Molecular Biology) 2010-2011**
From: Quaid-i-Azam University Islamabad Pakistan “First Division” (76.7%)
- **Bachelors of Science (Zoology, Chemistry, Applied Psychology) 2009**
From: Punjab University Lahore “First Division”
- **HSSC (Pre-Medical) 2006**
From: (BISE) Gujranwala “First Division” (77.6%)
- **SSC (Science group) 2003**
From: (BISE) Gujranwala “First Division” (81%)

PERSONAL PROFILE

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| ➤ CNIC: | 34603-7120326-6 |
| ➤ Nationality: | Pakistan |
| ➤ Domicile: | Sialkot (Punjab) |
| ➤ Permanent Address: | House #123, Nishat Park Paris Road Sialkot |
| ➤ Religion: | Islam |

Areas of Research/Expertise

- ✓ Advances in Molecular Mechanism of Diseases
- ✓ Research planning & Report writing
- ✓ Advances in Protein Chemistry
- ✓ Cancer Genetics
- ✓ Advances in Molecular Biology
- ✓ Immunochemistry

Publications

| Sr.# | Research/Papers | Status |
|------|--|-------------|
| 1 | Ali T, Farhat F, Mahmud M , Waheed H, Ishtiaq M , Javed Q and Murtaza I (2015) Serotonin elevated ROS levels induce pathologies in diabetic rat heart, indicating proposed mechanism for diabetes link to cardiac hypertrophy (Archives of Biological Sciences, 67(2), 655-661 Paper: https://www.researchgate.net/.../266793690_Serotonin-promoted_elevation_of_ROS_le | Published |
| 2 | Ali T, Shaheen F, Waheed H, Mahmud M , Ishtiaq M , Javed Q and Murtaza I (2015) Increased endogenous serotonin level in diabetic condition may leads to cardiac valvulopathy via ROS regulation (Biologia 70/2: 273—278, 2015 Section, Cellular and Molecular Biology) https://www.degruyter.com/view/j/biolog.2015.70.issue-2/biolog-2015-0030/biolog-2015-0030.xml | Published |
| 3 | ISOLATION & EVALUATION OF PROTEASE PRODUCING BACTERIA FROM SOIL SAMPLES OF DISTRICT MARDAN, PAKISTAN Asma Waheed Qureshi ^{1*} , Huma Nazir ² , Shafia Arshad ³ , Sajida Mushtaq ⁴ , Madiha Mahmud ⁵ | Published |
| 3 | Cross-sectional study of Hepatitis B and Hepatitis C in District Sialkot | In pipeline |

| Table 2 | Abstracts Published in Conferences | Status |
|---------|---|----------|
| Sr. # | | |
| 1 | Mahmud M , Amin S, Maalik S, Mushtaq S, Razzaq R, Qamer M, Nawaz S and Shakeel S (2016) Serotonin, a novel drug for Neurodegeneration in Mouse Model | Accepted |

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| 2 | Imran S, Maalik S, Mushtaq S, Sajjad R, Qamer M, Mahmud M Nawaz S and Shakeel S (2016) Comparative study of relevant circulatory proteins between Non Insulin Dependant Diabetes Mellitus (NIDDM) and normal female local population | Accepted |
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Certification/Workshops & Trainings

1. National Symposium on Frontiers in Nanotechnology (NUST May 19, 2012)
2. Biosecurity/Biosafety-Food Safety Enhancement Program Hazard Analysis and Critical Control Point (HACCP) QAU Islamabad May 17-31,2012`
3. International Conference on Applications of Molecular Biology in Medicine and Agriculture (QAU Islamabad August 20-22, 2013)
4. 4-week Induction level Training Of Newly Recruited Educators (GCET Multan November 11 to December 6, 2014)
5. Hands on Training workshop on ‘Publish your Research in High Impact Factor Journals (PU Lahore, November 28, 2015)
6. Hands on Training workshop on ‘Submission of Research projects and Proposals’ (GCWU Sialkot, December 17, 2015)
7. International Conference of Biochemistry, Biotechnology and Biomaterials, University of Agriculture Faisalabad (February 22-24,2016)
8. Organized Seminar on Awareness of Brain Eating Amoeba (GCWU Sialkot, March 17, 2016)
9. One day workshop on Statistical Packages for the Social Sciences (GCWU Sialkot, June 03, 2016)
10. Got an approval for the oral presentation of abstract, “Serotonin, a novel drug for Neurodegeneration in Mouse Model” in one of the academic sessions of 37th Pakistan Congress of Zoology (International) as a First Author.

- 11.** Got an approval for the presentation of abstract, Comparative study of relevant circulatory proteins between Non Insulin Dependant Diabetes Mellitus (NIDDM) and normal female local population as a Co-Author
- 12.** Training on English for Academic Purposes held at Govt. College Women University, Sialkot January 16-20, 2017
- 13.** Organized seminar, 'Recent Trends in Biological Sciences on March 29,2017
- 14.** One day seminar on Halt the Rise, Beat Diabetes (GCWU Sialkot, April 7, 2016)
- 15.** Two days workshop on Exploring Bacteriophage for Phage Therapy (University of Haripur 4-5 of May,2017)
- 16.** International Conference: Advances in Drug Discovery and Development(NARC, Islamabad,3-5 January,2018)
- 17.**Organized a Seminar, Biosafety Practices in Laboratory, (GCWUS Sialkot April 12,2018)
- 18.** One Day Hands On Training for Available E-Resources in collaboration with HEC (GCWUS Sialkot April 24,2017)
- 19.** One day Seminar on "World Fisheries Day, November 28,2023
- 20.** One Day Seminar on "Research and Publication Ethics in Science (GCWUS Sialkot, November 7,2023)
- 21.**Seminar On Covid 19 and Vaccination campaign in Italy at Glance (GCWUS, Sialkot, November 22, 2021)
- 22.** One Day Seminar on World AIDS Day (GCWUS, December 5,2023)
- 23.** One Day Training Program on Academic Programs and Teaching: Innovate to Lead (GCWUS, March 2,2019)
- 24.** One hour training session, Wileys Journals: How they can help Researchers and how to be successful in your publication process-HEC (Nov.11, 2024)
- 25.** 1 Hour training session, Integrating IEEE eBooks and Learning courses in your curriculum(November 26, 2024)
- 26.** Attended seminar on, Collaborative and comprehensive approaches towards dengue management (Nov. 6, 2024)
- 27.** Attended awareness seminar on Shrimp Farming. (December 3,2024)
- 28.** Attended 3 days faculty training conducted by ORIC in collaboration with Department of Education
- 29.** Attended Hands on training on Handling of Laboratory Animals in Biomedical Research (October 15-16, 2024)

1. Administrative Duties/Additional duties

| # | Duty | Brief Description |
|---|---|---|
| 1 | <p>Admission Incharge BS Zoology(2015-2019)</p> <p>Admission Incharge BS Zoology(2016-2020)</p> <p>Admission Inharge BS Zoology (2017-2021)</p> <p>Admission Focal Person BS Zoology (2018-2022)</p> | <p>Data Entry, Issuance of Fee challan forms to the students, Challan forms Record Maintenance, Correspondence with Admin Block regarding Admission Notifications, Original documents Record Maintenance</p> |
| 2 | <p>Semester Coordinator BS (2014-2018)</p> <p>Semester Coordinator BS (2018-2022)</p> <p>Semester Coordinator BS Lateral Entry (2023-2025)</p> <p>Semester Coordinator BS Lateral Entry (2024-2026)</p> | <p>(Issuance of Fee challan forms to the students, Challan forms Record Maintenance, Correspondence with Admin Block regarding Semester</p> <p>Notifications, Students Counselling, Discipline maintenace Ledger uploading and verification of all subjects taught to the above mentioned semester, Laptop Registration and Data verification</p> |
| 3 | Member Equipment Technical committee | Protocol designing and Practical Demonstrations of Departmental lab Equipments, Prepare demand (specifications and price)for consumable and non |

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| | | consumable lab items |
| 4 | Member Zoological Society | Organize and Manage departmental events |
| 5 | Day Officer Duty | To Ensure students enter campus fulfilling all discipline and uniform requirements |
| 6 | Member Prime Ministers Laptop Scheme | To verify students data, report corrections to the concerned authority, keep record of students in soft and hard ,hand over laptops to the acheivers |
| 7 | Member Chemical Committee | To forward chemical requisitions of the department, keep record of the available chemicals |
| 8 | Co-supervisor | Co-supervising MS student Miss Farah Jabeen |
| 9 | Exam Coordinator | To prepare datesheet, duty list , requisitions |
| 10 | Member Board of Studies | To compose minutes of meeting |
| 11 | Time Table Focal Person | To compose timetables and revise it time to time as per the instructions of the competent authority |
| 12 | Admission Focal Person | Lateral Entry (2024-2026) |
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Professional Experience

Lecturer at GC Women University Sialkot (May 2015-Present)

Lecturer at Sialkot College of Physiotherapy (December 2014-May 2015)

SSE Biology (BS-16) at Govt. Girls High School Sialkot

References

Dr. Bushra Mirza

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