

Noreen Asim (Azhar)

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EDUCATION

- **Ph. D Biotechnology, 2013** from Center of Biotechnology and Microbiology, University of Peshawar.
- **M.Sc. Chemistry, 2002** from Department of Chemistry, University of Peshawar.

RESEARCH

- **PostDoc- Institute of Plant Protection Chinese Academy of Agriculture Sciences, Beijing china. Under TYSP fellowship (Mar2016- Mar 2017)**
Research on genomic, proteomics and bioinformatics of antibiotic producing genes in *Streptomyces ahngroscopicus* Ck-15.
- **Ph. D – Research at National Institute of Biotechnology and genetic Engineering (NIBGE) Faisalabad, under ICGEB research fellowship**
Molecular studies and bioinformatic analysis of industrially important protease coding genes in metagenomic extracts and pure isolates from extreme environment
- **Post M. Sc Research at HEJ Research Institute Karachi:**
Bioinformatics Studies of *Vibrio Cholerae* Aminopeptidases.

Research Student Supervised

Year \ Degree	Undergraduate	Graduate		No. of students
	BS-Hons Internship	M.phil	PhD	
2011-14	13	-	-	13
2014-26	10	42	2	54

LIST OF PUBLICATIONS

Year 2026

- Akbar S., Khan S.A., Khan M.A., **Asim N.**, Humayun M. **Mutational analysis of multidrug efflux pump (AcrAB-TolC) in *Enterobacter cloacae* isolates from clinical samples.** *Sci Rep* (2026) <https://doi.org/10.1038/s41598-026-53813-9>

Year 2025

- Durrani, Irfan Safdar, **Noreen Asim**, Asad Jan, Iffat U. Nissa, Syed Tanveer Shah, Syed Jehangir Shah, Abdul Basit, and Heba I. Mohamed. **"In silico expression analysis of germin-like protein genes from rice cultivar Nipponbare."** *Molecular Biology Reports* 52, no. 1 (2025): 1-14.
- **Book Chapter:** Jabeen, Farkhanda, **Noreen Asim**, and Farheen Shafique. 2025. **"CRISPR-Cas Systems in Agriculture."** In *Gene Editing by CRISPR-Cas*, 1st ed., 1–28. Boca Raton, FL: CRC Press.
- Muhammad Haris , Noreen Asim, Mahreen ul Hassan , Navid Iqbal ,Farheen Shafique , Ijaz Ali , Najeeb Ullah Khan (2025). **Assessment of Petroleum Hydrocarbons**

Biodegradation by Indigenous Bacillus Strains from Khyber Pakhtunkhwa, Pakistan. *Microbial Pathogenesis*, 205, 107728. <https://doi.org/10.1016/j.micpath.2025.107728>

- Aziz, S., Khan, S., Karkashan, A., **Asim, N.**, Bukhari, K., Mohammad Almousa, R., Al-Megrin, W. A. I. (2025). **Exploring natural compounds and synthetic derivatives as potential inhibitors of SARS-CoV-2 PLpro: a computational approach with enzyme inhibition and cytotoxicity assessment.** *Journal of Biomolecular Structure and Dynamics*, 1–21. <https://doi.org/10.1080/07391102.2024.2333456>

Year 2024

- Madeeha Ihsan, Najeeb Ullah Khan, **Noreen Asim**, Muhammad Ismail, Mikhilid H. Almutairi, I. Ali Brian D. Adams, 2024. **Significant Association of Candidate Genes (AGTR1 and TGF-B1) Polymorphism with Diabetic Nephropathy in Diabetes Mellitus Type 2 Patients.** *Cellular Physiology and Biochemistry* 58(3):203-211

Year 2023

- Durrani, I.S., **N. Asim**, A. Sohail. 2023. **Isolation and in silico analysis of OsGLP12-3 gene's promoter from rice cultivar Dilrosh-97.** *Sarhad Journal of Agriculture*, 39(4): 883-897.

Year 2022

- Muhammad Farrukh Tahir , Muhammad Zaman Khan, Safira Attacha, **Noreen Asim** ,Muhammad Tayyab , Azam Ali , Jiri Militky and Blanka Tomková (2022).**The Comparative Performance of Phytochemicals, Green Synthesised Silver Nanoparticles, and Green Synthesised Copper Nanoparticles-Loaded Textiles to Avoid Nosocomial Infections.** *Nanomaterials* 2022, 12, 3629.
- Fatima Javed Mirza, Saadia Zahid , Sanila Amber, Sumera , Hira Jabeen, **Noreen Asim**, Syed Adnan Ali Shah (2022). **Multitargeted Molecular docking and dynamic simulation studies of bioactive compounds from Rosmarinus officinalis against Alzheimer's disease.** *Molecules*, 27, 7241.
- Syed Ayaz Kazmi, Rauf A, Shafique F, **Asim N**, Shafi N, ul Hassan M(2022). **Kashmiri refugees at the verge of HBV and HCV epidemic in the State of Azad Jammu and Kashmir**, *Revista de saude Publica/ Brazil*, 56 (33),1-8.

Year 2021

- Farheen Shafique Mahreen ul Hassan, Hina Nayab , **Noreen Asim** , Nazia Akbar, Nuzhat Shafi , Sadaf Manzoor , Freek van Eeden , Shaqaut Ali. (2021) **Attitude and perception towards vaccination against poliomyelitis in Peshawar, Pakistan** *Revista de saude Publica/ Brazil*, 55:104, 11 pages
- Mir, F., S. Bibi, **N. Asim** and A. Jan. 2022. Genomic analysis of C3H zinc finger proteins family in Brassica rapa. *Pak. J. Bot.*, 54(3): DOI: [http://dx.doi.org/10.30848/PJB2022-3\(1\)](http://dx.doi.org/10.30848/PJB2022-3(1))
- Saadia Laraib, Asma Shah, **Noreen Asim**, Farhat Amin, Ghosia Lutfullah, Jamila Haider. **Synthesis, Characterization And Antibacterial Activity Of Simple ZnO And Metal Doped ZnO Nanoparticles.** *Pak. J. Pharm. Sci.*, Vol.34, No.5, September 2021, pp.1651-1658.
- M. Hassan, F. Shafique, H. Bhutta, K. Haq, T. Almansouri, **N. Asim**, D. Khan, S. Butt, N. Ali, N. Akbar. **A comparative study to evaluate the effects of antibiotics, plant extracts and fluoride-based toothpaste on the oral pathogens isolated from patients with gum diseases in Pakistan.** *Brazilian Journal of Biology*. *Brazilian Journal of Biology*, 2023, vol. 83, e242703.
- R. Z. Ashraf, B. Ahmad, F. Shafique, M. U. Hassan, **N. Asim**, M. W. Muhammad, S. Khawaja,

- S. Butt, N. Akbar, N. Sheikh. **Evaluation Of Economic Loss Caused By Porcupine (Hystrix Indica) In Agricultural Land Of District Muzaffarabad, Azad Jammu And Kashmir, Pakistan.** Brazilian Journal of Biology, 2023, vol. 83, e249847.
- Yang M, Wei Q, Shi L, Wei Z, Lv Z, **Asim N**, Zhang K, Ge B. **Streptomyces albulus CK-15 displays biocontrol activities against cucumber powdery mildew caused by Sphaerotheca fuliginea.** J Appl Microbiol. 2021 Jun 1. doi: 10.1111/jam.15168. Epub ahead of print. PMID: 34060684.
 - Faiza Tawab, Iqbal Munir, Zeeshan Nasim, Mohammad Sayyar Khan, Saleha Tawab, Adnan Nasim, Aqib Iqbal, Mian Afaq Ahmad, Waqar Ali, Raheel Munir, Maria Munir, **Noreen Asim**. 2021. **Identification and characterization of a novel multi-stress responsive gene in Arabidopsis.** PLoS ONE 15(12):e0244030.

Year 2020

- Mahreen Ul Hassan, Hina Nayab, Farheen Shafique, Mike P. Williamson, Taghreed Saud Almansouri, **Noreen Asim**, Nuzhat Shafi, Safira Attacha, Madiha Khalid, Nasir Ali and Nazia Akbar. 2020. **Probiotic Properties of Lactobacillus helveticus and Lactobacillus plantarum isolated from Traditional Pakistani Yoghurt.** BioMed Research International Volume 2020, Article ID 8889198, 17 page.
- Shabana Irum, Azhar Hussain Shah, Shazia Erum, Farhat Ali Khan, **Noreen Asim**, Arifa Khan, Huma Qamar, Wajiha Khan, Uzma Khan, Sohail Ahmad Jan. 2020. **OPTIMIZATION STUDIES FOR IN-VITRO CULTURE ESTABLISHMENT OF SELECTED PEACH (PRUNUS PERSICA L.) GERMPLASM.** Fresenius Environmental Bulletin, Volume 29 – No. 12A/2020 pages 11573-11580.

Year 2019

- Irfan safdar Durrani, Farwa Iqbal Butt, Asad Jan, **Noreen Asim** and S.M. Saqlain Naqvi. **In silico Analysis Tools Prove Basmati 2008 (Indica Rice) to be More Meaningful for Crop Improvement as Compared to Nipponbare (Japonica Rice).** Pak. j. life soc. Sci. (2019), 17(1): 7-16
- Muhammad Rafiq, Ghusia Lutfullah, Alam Zeb Khan, Farhat Amin, **Noreen Azhar**, Muhammad Saleem Khan. 2019. **Antimicrobial, Antioxidant and Cytotoxic Potential of Aerial Parts of Monotheca buxifolia.** J. Math. Fund. Sci., 51, No. 2, 138-151.

Year 2018

- Rozina Gul, Hamayoon Khan, Shahenshah, Naqib Ullah Khan, **Noreen Asim**, Abdul Latif and Ko Harada. **Characterization for Nodulation and Detection of Duplicate Gene Action of Dominant Epistasis Controlling Root Nodulation in Chickpea (Cicer arietinum).** International Journal of Agriculture & Biology. 2018/20–3–683–688.
- H. Khan, R. Gul, N. U. Khan, R. Naz, S. Shah, **N. Asim** and A. Latif. **Role of Selection Indices In Ascertaining high yielding drought stress tolerant Chickpea (Cicer arietinum) I.** J of Animal & Plant Sci, 28(1)2018, 146-154.
- Liu B, Ge B, **Azhar N**, Zhao W, Cui H, Zhang K. **Complete Genome Sequence of Bacillus methylotrophicus Strain NKG-1, Isolated from the Changbai Mountains, China.** Genome Announc. 2018 Jan; 6(3): e01454-17.

Year 2015

- Haseena Khan, Safdar hussain Shah, Nasiruddin, **Noreen Azhar**, Muhammad Asim, sulha Syed, Farhan ullah, Faiza Tawab, Jaweria Inayat. **Biochemical and Physiological changes of**

different plants species in response to heat and cold stress. ARPN Journal of Agricultural and biological science. Vol 10, No 6, 2015.

- Romana Shah, GhosiaLutfullah, Noreen Azhar. In Silico Modeling and Structure Analysis of D-Alanine: D-Alanine Ligase (DDI) from Streptococcus pyogenes. Confrence Proceedings, **2nd Annual Computational Science Conference, vol 2, 16, 2013.**

Year 2012

- Nasiruddin, Tariq Masood, Muhammad Arif ,SyedSadaqat Shah, **Noreen Azhar**, Saifullah. **Nutritional Content of Some Medicinal Herbs of Peshawar District, Pakistan.** Sarhad J. Agric. Vol.28, No.4, 2012.

Year 2011

- GhosiaLutfullah, Natasha Qaisar Khan, Farhat Amin, Lutfullah Kakakhel, **Noreen Azhar**,**Structural Modeling Studies of Aldehyde Dehydrogenase X: Insights into Key Interactions in the Tetrameric Assembly of the Isoenzyme.** (Protein and Peptide Letters, Jan 2011, Vol 18,No.1,41-57).

Year 2009

- GhosiaLutfullah, **Noreen Azhar**,Farhat Amin, Zahid Khan, M. Kamran Azim, KhalidaShouqat, Sajid Noor, MohdRizwan. **Structural Bioinformatics of *Vibrio cholerae*Aminopeptidase** **A.** (Protein & Peptide Letters, 2009, Vol. 16, No. 1, 36-45).

Year 2008

- GhosiaLutfullah, Farhat Amin, Zahid Khan, **Noreen Azhar**,M. Kamran Azim, Sajid Noor,KhalidaShoukat. **Comparative Homology Modeling of Hemagglutinin/Protease [HA/P (vibriolysin)] from *Vibrio Cholerae*: Sequence Comparision, Molecular Mechanism & Its Interactions.** (The Protein Journal, Volume 27, Number 2 / February, 2008, 105-114).
- GhosiaLutfullah, HilalShahid Khalil,Farhat Amin,**Noreen Azhar**. **Low Oxygen Affinity in Reptilian Hemoglobin D: Predictionof Residue Interactions in *Geochelonecarbonaria* HbD by Homology Modeling.** (The Protein Journal, Volume 27, Number 3 / April, 2008, 141-150).

PROJECTS

- **HEC/NRPU 2022:** As Co-PI "*Identification and evaluation of comparative characteristic effects and potential drug targets of Methylphenidate and Rosmarinic acid: A therapeutic approach for Alzheimer's disease*" Project No: 2015198/NRPU/R&D/HEC/2021-2021 (completed) **(3.276 M PKR)**
- **PSF 2023:** As PI "*Comparative Molecular Evaluation of Biodegradation Potential by Mealworm's (*Tenebrio molitor*) Gut Microbiota and Rhizoshperic Bacteria in styrofoam feeding trials*" Project No: PSF/NSLP/KP-UAP (962) (ongoing) **(3.02M PKR)**

PRESENTATIONS AT NATIONAL & INTERNATIONAL CONFERENCES/ WORKSHOP

- **As Resource Person**
Mendeley: Reference Management Tool (Hands-on Training) held at PASTIC sub-center ,PFI-University campus Peshawar, Pakistan, 23-24 February 2023.

Mendeley: Reference Management Tool (Hands-on Training) held at National center of Excellence in Physical Chemistry , University of Peshawar, Pakistan, 21-22 November 2021.

- **As Oral Presenter:**

1st National Conference on Microbiology and Infectious Diseases and Health safety held at University of Swabi, Swabi, Pakistan, April 4-5, 2019.

1st International Conference on Biotechnology and Informatics held at Balochistan University of Information Technology and Management Sciences, Quetta, Pakistan on 10th – 12th April, 2006.

8th Biennial National Conference of Pakistan Society (2005) for Biochemistry and Molecular Biology

held at Department of Biochemistry, University of Karachi, Pakistan on 7th – 9th March, 2005.

- **As Poster Presenter:**

18th FAOBMB Symposium on Genomics and Proteomics in Health and Agriculture held at School of Biological Sciences, University of Punjab, Lahore, Pakistan on 20th – 23rd November, 2005.

FELLOWSHIPS

Awarded

- **Talented young scientist Fellowship (TYSP)** by Ministry of Science and Technology ,China (2016)
- **International Center for Genetic Engineering & Biotechnology (ICGEB) Italy, Ph.D. Research Fellowship.** (Sandwich Fellowship 2008)

CONFERENCES/SEMINARS & WORKSHOPS ATTENDED

- One day program on **Critical Thinking and innovation in Biotech Space** on 3rd Oct 2025 held by Genomac.
- Two weeks online crash course on “ **Metagenomics and R programming**”, from 30 June 2025-14 July 2025, held by Omics-nexus
- Three days International conference on “**Emerging Technologie innovations for sustainable development goals** , held in Bahrain, Swat from Sep 09-11,2024.
- 7 days online Workshop on “**Basics of Bioinformatics and Bigdata Analysis, Concepts and approaches**” jointly organized by Pine.Bio US and Tauber bioinformatics research center held from 19-25 Aug 2023.
- 3 days National conference on “**Recent Trends in Biosciences**” organized by the department of Forensic sciences , center of biotechnology and microbiology held from 21-23 June 2023 at The University of Swat,Swat.
- 3 days Hands on “**Training workshop on development of software tools for AI based variable rate spraying technologies**” jointly organized by PMAS-AAUR and AUP held from 2-4 December 2021 at The University of Agriculture Peshawar.
- 11 days Online conference of “**OWSD 6th GENERAL ASSEMBLY AND INTERNATIONAL CONFERENCE Women, science and development**” held from 8-19 November 2021 at OWSD Secretariat, Trieste, Italy.
- One day **ONLINE training workshop on “Basic Data Analysis Through “ R ” Software**” held on 29 Oct 2020 at PASTIC Karachi.
- One day **ONLINE Workshop on “Make your Research Life Easier with Mendeley Tool**”, held

- on 06 September 2020, at PASTIC Islamabad.
- One day Training workshop on “ **HEC Plagiarism policy and effective usage of Turnitin Service**” held on 17 July 2020, at PASTIC Karachi.
 - Two days ONLINE training workshop on “**Data Analysis Through Stata Software**” , held on 26-27 February 2020, at PASTIC Karachi.
 - Two days Workshop on **SPSS**, held on October 24-25, 2019, at UET Peshawar.
 - Awareness session on “**the protection against women harassment at workplace Act 2010**” held on September 3 2019, at The University of Agriculture, Peshawar, Pakistan.
 - Two days training on “**incineration and other waste treatment methods**”, held on February 21-22, 2019 at Center of Excellence in Molecular Biology, University of Punjab, Lahore ,Pakistan.
 - 1st International **basic medical science conference : challenges and opportunities**, held on 23-25 Oct 2018 at KMU Peshawar.
 - One day workshop on “**Hands On Programming with R**” held on 22 Oct 2018 at Khyber Medical University, Peshawar
 - One day workshop on “**Biosafety and Biosecurity for young scientist**” held on 20 March 2018 at IBGE, The University of Agriculture, Peshawar Pakistan
 - One day workshop on “ **Research methodologies and scientific writing**” held on 06 Feb, 2018 at IBGE, The University of Agriculture, Peshawar Pakistan
 - One day workshop on “**python programing for life scientist**” held on April 4th, 2017 at shaheed Benazir Bhutto women university Peshawar, Pakistan.
 - Two days international conference on “**Innovations in Agriculture**” held on 28-29 March 2017 at IBGE, The University of Agriculture, Peshawar Pakistan.
 - Seminar on “**Visual presentation of evidence in scientific talks and papers**” by Gabor L. Lovei held on November 28, 2016 at Institute of Plant protection, chinese academy of Agricultural sciences ,Beijing china.
 - Seminar on “**From conventional approach to the Omics era in entamology**” by Frederic Francis held on November 25th 2016 at Institute of Plant protection , chinese academy of Agricultural sciences ,Beijing china.
 - Seminar on “**Maize gene expression networks**” by Steven P. Briggs, University of California held on July 28th 2016 at Institute of Plant protection, chinese academy of Agricultural sciences ,Beijing china.
 - Seminar on “**Mycotoxins and toxigenic fungi: a concern at global level**” by Antonio Logrieco, NRC Italy held on June 27th 2016 at Institute of Plant protection , chinese academy of Agricultural sciences ,Beijing china.
 - Seminar on “**current status and future prospects of insecticide resistance management**” by Si Hyeock Lee held on June 3rd 2016 at Institute of Plant protection, chinese academy of Agricultural sciences ,Beijing china.
 - Seminar on “**Resistance gene identification in Brassica Napus: A Pan genome approach**” by jacqueline Batley held on May 11th 2016 at Institute of Plant protection, chinese academy of Agricultural sciences ,Beijing china.
 - Seminar on “**cellular compartmentalization of Fusarium mycotoxin synthesis and export**” by Harold corby Kistler, university of Minnisota held on May 9th , 2016 at Institute of Plant protection , chinese academy of Agricultural sciences ,Beijing china.
 - Conference on **Advances in Bioinformatics in Post Genomic Era** 6th Nov, 2014 at quaid-e-azam university Islamabad, Pakistan.
 - Workshop on **Next Generation Sequencing (NGS) data Analysis** on 28th Oct 2014 at

COMSATAS Institute of Information Technology Islamabad Pakistan.

- **2nd Annual Computational Science Conference**, held on October 20 – 25, 2013, at International Islamic University, Islamabad.
- Conference on **Emerging Trends in Bioinformatics and Computational biology** held on May 25, 2013, at Muhammad Ali Jinnah University Islamabad.
- **4th One day workshop on Bioinformatics** held on May 4th, 2013 by Muhammad Ali Jinnah University Islamabad.
- **One day Awareness Seminar on Bioinformatics future prospects** held on 16 March 2012, at Shaheed Benazir Bhutto Women University Peshawar.
- Workshop on **Characterization of proteins** held during Jan 15-22, 2007, at the international centre for chemical and biological sciences, H.E.J research institute of chemistry university of Karachi, Karachi.
- **9th international symposium on protein structure function relationship** from 11-14 Jan 2007, at the international centre for chemical and biological sciences, H.E.J research institute of chemistry university of Karachi, Karachi.
- Workshop on **Computational Chemistry & its Application** from 26th-28th June, 2006 organized by Dr. Panjwani Centre for Molecular Medicine & Drug Research, International Centre for Chemical Sciences, University of Karachi, Karachi, Pakistan.
- **1st Meeting of Nobel Laureates** with Pakistani students/young scholars held in Islamabad/Lahore, Pakistan from March, 27-31, 2006.
- Workshop on **Problem-based learning** held on November 19, 2005 at School of Biological Sciences, University of Punjab, Lahore, Pakistan.
- **Pre-18th FAOBMB Satellite Symposium on Bioinformatics** held at National Centre of Excellence in Molecular Biology, Lahore Pakistan, from 17-19 November 2005.
- Workshop on **Genetic Engineering Techniques** organized by Hazara University, Mansehra, N.W.F.P, Pakistan from 1-3 December 2004.
- **1st International and 11th National chemistry Conference 2000** organized by Department of Chemistry, University of Peshawar, Pakistan from 10-14 April 2001.

CONFERENCES/SEMINARS & WORKSHOPS ORGANIZED/ CONDUCTED

➤ As Resource Person:

- One day online Webinar on **“How to insert in text citation and create Bibliography using ENDNOTE”** held on April 22, 2022 jointly organized by PASTIC Peshwar and IoBM Karachi.
- One day online Webinar on **“MENDELEY: Make your research life Easier”** held on Feb 24, 2022 jointly organized by PASTIC Peshwar and IoBM Karachi.
- 2 days training workshop on **“MENDELEY”** held from 23-24 November 2021, at NCE in Physical Chemistry, University of Peshawar.

➤ As Organiser:

- International conference on **“ Biofortification of staple food crops”**, held on 24-26, Sep 2018 at The university of Agriculture Peshawar, Pakistan.
- One Day workshop on **“ Research tools and Techniques: Citation Management using ENDNOTE**, held on 06 Dec, 2017 at IBGE, The University of Agriculture, Peshawar, Pakistan.
- ☐ Three days International Conference on **Climate Change and threats to Agriculture and Food security** held on 22-24 Nov, 2017 at The University of Agriculture, Peshawar

CERTIFICATES OF APPRICIATION

- Certificate course on an **introduction to Bioinorganic and medicinal chemistry of metals** at Department of Chemistry, University of Peshawar – N.W.F.P. Pakistan. May 23-32, 2006.
- **Science & Cultural Fair** organized by Edwards College, Peshawar – N.W.F.P. Pakistan. 23-24 February 2000.
- **Social Work Program** organized by Govt. Girls Degree College, Nowshera Cantt – N.W.F.P. Pakistan. 1999-2000.
- **Certificate of Red Hat Linux System Administration**, From Sarhad University – Hayatabad, Peshawar.

TEACHING/ADMINISTRATIVE EXPERIENCE

Associate Professor, (jun 2023-till date)
 Division of Genomics and Bioinformatics
 Institute of Biotechnology and Genetic Engineering
 The University of Agriculture Peshawar.

Assistant Professor, (jun 2014-June 2023)
 Division of Genomics and Bioinformatics
 Institute of Biotechnology and Genetic Engineering
 The University of Agriculture Peshawar.

Program Coordinator BS Bioinformatics (Aug 2021-till date)
 Institute of Biotechnology and Genetic Engineering
 The University of Agriculture Peshawar.

Class Coordinator (IBGE) (Jan 2019- till date)
 Institute of Biotechnology and Genetic Engineering
 The University of Agriculture Peshawar.

Staff proctor (AUP) & Member Protorial Board (IBGE)(Nov 2014-till date)
 Division of Genomics and Bioinformatics
 Institute of Biotechnology and Genetic Engineering
 The University of Agriculture Peshawar.

Head of Biochemistry Department (Jan 2012-Jun 2014)
 Department of Biochemistry
 Shaheed Benazir Bhutto Women University, Town Campus, Peshawar.KPK. Pakistan.

Lecturer of Bioinformatics and Biochemistry (Aug2009- june2014)
 Department of Bioinformatics /Microbiology/Biochemistry
 Shaheed Benazir Bhutto Women University, Town Campus, Peshawar. KPK. Pakistan.

Lecturer of Bioinformatics (Sep 2005 – May2006)
 Department of Biotechnology
 Sarhad University of Information Technology, Hayatabad, Peshawar. KPK. Pakistan.

COMMITTEE MEMBERSHIP

- Member Pakistan Forest Institute Peshawar Technical Committee since 2026
- Member Pakistan Science Foundation Islamabad
Project Screening and Technical Committee. Since 2025
- Member Board of studies IBGE,AUP Since 2023
- Graduate study committee member SBBWU Peshawar since 2020
- Subject expert for post of lecturer SBBWU Peshawar since 2021
- Member Graduate study committee Abasyn University Peshawar since 2021
- Member Board of studies Institute of Integrative Biosciences, CECOS university of
IT and Emerging Sciences, Peshawar since 2015

SOCIETY MEMBERSHIP

- Full Member Asian Federation of Biotechnology (Jan 2023)
- Full member Organization for women in science for the developing world (OWSD) (jun 2018)
- Life Member Pakistan society of Computational biology (PSCB)
- Life Member Pakistan society of Biochemistry and Molecular Biology (PSBMB)
- Member Executive council PSBMB KPK region.
- Member International Association of Engineers

