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**Academic Education**

- ✓ Ph.D in Chemistry (**Biochemistry**) from **Lahore College for Women University (LCWU), Lahore**, Pakistan. 2018.
- ✓ Master of Science (Hons) in **Biochemistry** from **University of the Punjab, Lahore, Pakistan**. 2007 (**CGPA 3.77/4.0**).
- ✓ Bachelor of Science (Hons) in **Biochemistry** from **University of the Punjab, Lahore, Pakistan**. 2004 (**CGPA 3.68/4.0**).
- ✓ F.Sc. (Pre-medical) Govt.Samanabad College for Women Lahore. 2001 (**Grade-A**).
- ✓ Matriculation (Science), from Lady MacLagon Govt. Girls High School. 1998 (**Grade-A**).

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**Publications****Published**

- ✓ Tasadduq R, Shahid S, Younus A, Ajmal L, Ajmal S, Chaudhry KA, Younas H, Naveed H. Effect of Caffeine and Soda Consumption on the Level of Serum Electrolytes and Hepatic Enzymes in Healthy Population of Punjab: A Cross-Sectional Analysis. Current Nutrition and Food Science. **ISSN: 1573-4013 / 2212-3881**
- ✓ Nathaniel. S, Tabinda. N, Aslam. S, Younus. A, Muhammad. A, Younas. H, Saleem. R. Association of angiotensinogen gene polymorphisms (M235T and T174M) with preeclampsia among Pakistani women. Discover Medicine. 2024. 1:135. <https://doi.org/10.1007/s44337-024-00163-y>. impact factor 2.0. 2<sup>nd</sup> December published
- ✓ Faiz M, **Younus A**, Yasmin A. Serum Vitamin D status and VDR (FokI) polymorphism association study in Pakistani females with breast cancer. Journal of Cancer Research and Therapeutics. 2023.19:S87-92. DOI: 10.4103/jcrt.JCRT\_1364\_20. Impact 1.3.ISSN: **0973-1482 / 1998-4138**
- ✓ Mahmood S, **Younus A**, Nathaniel S & Younas H. MTHFR A1298C polymorphism: a predictor of reduced risk of preeclampsia in Punjab, Pakistan. Hypertension in Pregnancy. 2023 42:1-10. DOI: 10.1080/10641955.2023.2187621.ISSN: **1064-1955 / 1525-6065**
- ✓ Tahir H, Faiz M, **Younus A**, Shahid AB, Larayb H, Aslam S, Gill S. ABO and Rh blood group phenotype frequency in healthy blood donors. Asian Journal of Transfusion Science. 2022. 1-5. DOI: 10.4103/ajts.ajts\_141\_21.ISSN: **0973-6247 / 1998-3565**
- ✓ Faiz. M, **Younus.A**, Yasmeen A. Genetic Diversity and Distribution of Vitamin D Receptor (VDR) Genotypes in Breast Cancer Cases from Pakistan. Asian Pacific Journal of Cancer Biology. 2021.6.(4).243-248. DOI [10.31557/APJCB.2021.6.4.243-248](https://doi.org/10.31557/APJCB.2021.6.4.243-248)

- ✓ Mehmood S, Younas H, **Younus A**, Nathaniel S. A narrative review on role of folate-mediated one-carbon metabolism and its associated gene polymorphisms in posing risk to preeclampsia. *Journal of Clinical and Experimental Hypertension*. 2021.1-18. doi: 10.1080/10641963.2021.1916942. ISSN: **1064-1963 / 1525-6006**
- ✓ **Younus A.**, Faiz M., Yasmeen A. Breast Cancer Prognostic Indicators and Vitamin D Receptor Gene Polymorphism (FokI and TaqI) in Pakistani Women. *Journal of Zoology*. 2019 51(3): 1059-1066. doi:<http://dx.doi.org/10.17582/journal.pjz/2019.51.3.1059.1066>. ISSN: **0952-8369 / 1469-7998**
- ✓ **Younus A.**,\*Faiz M., Yasmeen A. Association of Vitamin D Receptor FokI and TaqI Gene Polymorphisms in Pakistani Women with 25(OH)D Levels. *Journal of Food and Nutrition Research*. 2017 5(7): 475-480. DOI: 10.12691/jfmr-4-12-10. ISSN: **1336-8672 / 1338-4260**
- ✓ **Younus A.**,\*Faiz M., Yasmeen A. Serum Vitamin D in Women with Pre and Post Menopausal Newly Diagnosed Breast Cancer in Pakistan. *Journal of Food and Nutrition Research*. 2016 4(12): 828-833. ISSN : **1336-8672 / 1338-4260**
- ✓ Safdar S., **Younus A.** ,Faiz M. Estimation of Serum Calcium and Inorganic Phosphorous in Breast Cancer Patients. *Journal of Biochemistry, Biotechnology and Biomaterials*. 2016 1(1): 52-57. ISSN: 2633-8920 DOI: 10.35840/2633-8920.
- ✓ Saghir S., Faiz M., Saleem M., **Younus A.**, Aziz H. Characterization and Antimicrobial Susceptibility of Gram Negative Bacteria Isolated From Bloodstream Infections of Cancer Patients on Chemotherapy in Pakistan. *Indian Journal of Medical Microbiology*. 2009 27(4): 341-7. doi: 10.4103/0255-0857.55454. ISSN: **0255-0857 / 1998-3646**
- ✓ **Younus A\***,Faiz M., Saleem M., Saghir S. Antimicrobial Susceptibility Patterns and Characterization of Clinical Isolates of *Staphylococcus aureus* in Immunocompromised Cancer Patients undergoing Chemotherapy in Pakistan. *Journal of Chemotherapy*. 2009 21(1): 31-35. doi: 10.1179/joc.2009.21.1.31 ISSN: **1120-009X / 1973-9478**

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## Work Experience

- ✓ Teaching as a Biochemistry Assistant Professor at Kinnaird College for Women Lahore since 28<sup>th</sup> September 2009 to till today.
- ✓ Worked as a research officer/Biochemist at Institute of Molecular Sciences and Bioinformatics (IMSB) from 16<sup>th</sup> March 2009 to 26<sup>th</sup> September 2009.
- ✓ Worked as internee in Pathology Department of King Edward Medical University under National Internship Program from September 2007 to August 2008.
- ✓ Worked as a research student to present different research papers in poster format and also in seminars held at Institute of Biochemistry and Biotechnology University of the Punjab Lahore.
- ✓ Worked as a research student in Institute of Nuclear Medicine and Oncology

Lahore (INMOL).

#### AWARDS/ HONORS/ MEMBERSHIPS

- ✓ Merit scholarship in BSc (Hons) Biochemistry.
- ✓ Awarded with certificate of Professional Competency Enhancement Program for Teachers (PCEPT) conducted by Higher Education Commission
- ✓ Member of Inventory Committee , Kinnaird College for Women Lahore, 2013
- ✓ Member of Defense Committee, Kinnaird College for Women, Lahore, June 2016 till date.
- ✓ Member of Zoology Faculty Recruitment Committee, Kinnaird College for Women Lahore.
- ✓ External Examiner for Thesis Defense of BEMS students from Qarshi University and BS and M.Phil. students from Lahore College for Women University (LCWU).
- ✓ HEC Approved Supervisor in discipline of Biological Sciences, dated 24-Nov-2022.
- ✓ Awarded with 'Certificate of excellence in reviewing' by International Journal of Biochemistry Research & Review dated 2-Dec-2022.
- ✓ Awarded with 'Certificate of excellence in reviewing' by Biomolecules and Biomedicine dated 17<sup>th</sup> March 2023.
- ✓ Awarded with 'Certificate of reviewing' by Advances in Life dated 12<sup>th</sup> July 2023.
- ✓ Awarded with 'Certificate of reviewing' by International Journal of Plant and Soil Science 9<sup>th</sup> August 2023.
- ✓ Awarded with 'Certificate of reviewing' by European Journal of Nutrition & Food Safety dated 15<sup>th</sup> April 2024.
- ✓ Awarded with 'Certificate of reviewing' by European Journal of Nutrition & Food Safety dated 29<sup>th</sup> May 2024.
- ✓ Name in AD scientific Index 2024 ranking for scientist.  
<https://www.adscientificindex.com/?university=Kinnaird+College+for+Women>
- ✓ Awarded with "Certificate of reviewing" Book entitled "Characteristics of female and male Breast Cancer in Limpopo, South Africa" by BP International dated 19<sup>th</sup> Nov 2024.

#### PAPER/POSTER PRESENTED

- ✓ Oral Presentation on '**Prevalence of Angiotensin Gene polymorphism T174M Among Pakistani Pregnant Females**' in Kinnaird's '**3rd International Conference on 'Science, Technology and Innovation'**' at Kinnaird College for Women Lahore, Pakistan **from** 18<sup>th</sup> -20<sup>th</sup> February 2025.
- ✓ Participated in Poster Presentation on "Clinical Assessment of Factors Associated With Adverse Fetal outcome In Pakistani Population" in **Kinnaird Festival of Statistics and Data Science on May 7, 2024** .
- ✓ Oral Presentation on '**Risk Analysis of Vitamin D Receptor Gene Polymorphism (FokI) with Obesity-Induced Type 2 Diabetes Mellitus**' in Kinnaird's '**2<sup>nd</sup> International Conference on 'Science, Technology and Innovation'**' at Kinnaird College for Women Lahore, Pakistan **from** 8<sup>th</sup>-10<sup>th</sup> March 2023.

- ✓ Oral Presentation on '**Serum Vitamin D in Women with Pre and Post-Menopausal Newly Diagnosed Breast Cancer in Pakistan**' in Kinnaird's 1<sup>st</sup> International Conference On Science, Technology And Innovation (2<sup>nd</sup>-4<sup>th</sup> April, 2019). impact factor 1.32
- ✓ Tabinda Nadeem, Sadaf, AmnaYounus, SammarNathaniel, HooriaYounas. Association of M235T and T174M polymorphisms of angiotensinogen gene with preeclampsiaamong Pakistani females (Oral Presentation) at 1<sup>st</sup> International Conference on "Science, Innovation and Commercialization" on 2<sup>nd</sup>-4<sup>th</sup> April, 2019 Kinnaird College for Women.
- ✓ Komal Fatima, Sammar Nathaniel, Dr. Amna Younus, Dr. Shahzad Bhatti Assessment Of Thyrotropin With Ovarian Reserve Markers in association with Body Mass Index among Secondary Infertile Women (Poster) at 1<sup>st</sup> International Conference on "Science, Innovation and Commercialization" on 2<sup>nd</sup>-4<sup>th</sup> April, 2019 Kinnaird College for Women
- ✓ Sadia Mehmood, Sammar Nathaniel Dr. AmnaYounus Dr. Shahzad Bhatti. AMH as a Prognostic marker in relation to BMI among PCOS women undergoing Ivf/Icsi Cycles(Poster) at 1<sup>st</sup> International Conference on "Science, Innovation and Commercialization" on 2<sup>nd</sup>-4<sup>th</sup> April, 2019 Kinnaird College for Women
- ✓ Arshia Irfan, Dr.AmnaYounus, Sammar Nathaniel, Dr. Shahzad Bhatti, Evaluation Of Thyrotropin With Ovarian Reserve Markers In Primary Infertile Women Of Reproductive Age (Poster) at 1<sup>st</sup> International Conference on "Science, Innovation and Commercialization" on 2<sup>nd</sup>-4<sup>th</sup> April, 2019 Kinnaird College for Women

#### Conferences Attended

- ✓ Participated in '**3<sup>rd</sup> International Conference on Science, Technology and Innovation**' at Kinnaird College for Women Lahore, Pakistan **from** 18<sup>th</sup> to 20<sup>th</sup> February 2025.
- ✓ Participated as a Moderator in '**3<sup>rd</sup> International Conference On Science, Technology and Innovation**' at Kinnaird College for Women Lahore, Pakistan **from** 18<sup>th</sup> to 20<sup>th</sup> February 2025.
- ✓ Participated in '**2<sup>nd</sup> International Conference on Science, Technology and Innovation**' at Kinnaird College for Women Lahore, Pakistan **from** 8<sup>th</sup>-10<sup>th</sup> March 2023.
- ✓ Participated as a Moderator in '**2<sup>nd</sup> International Conference On Science, Technology and Innovation**' at Kinnaird College for Women Lahore, Pakistan **from** 8<sup>th</sup>-10<sup>th</sup> March 2023.
- ✓ Participated in '**First Virtual Pakistan Congress of Zoology**' organised by Zoological Society of Pakistan, on 17-19 December 2021.
- ✓ Participated in AMP Global 2019, **Global Congress on Molecular pathology** (May 16-18, 2019) Hong Kong China.
- ✓ Attended a 3 day Conference "**International Conference Punjab University, Recent Advances in Molecular Sciences**" at University of the Punjab during 6<sup>th</sup> - 8<sup>th</sup> November, 2019.

- ✓ Participated as a Moderator in **Kinnaird's 1<sup>st</sup> International Conference On Science, Technology And Innovation** (2<sup>nd</sup>-4<sup>th</sup> April, 2019).
- ✓ Participated as presenter in **Kinnaird's 1<sup>st</sup> International Conference On Science, Technology And Innovation** (2<sup>nd</sup>-4<sup>th</sup> April, 2019).
- ✓ Participated in the National Conference on **"Women, Religion and Politics in Pakistan"** held at Lahore on 21-22 May, 2010.

### **Workshops Attended**

- ✓ Organized a workshop entitled **"Consent and Ethics in Public Health Research"** on 29<sup>th</sup> April 2025 in collaboration with ORIC at Kinnaird College for Women Lahore.
- ✓ Participated in a workshop **"Workshop on Mental Health Matters"** on 14<sup>th</sup> Jan 2025 organized by campus counselor at Kinnaird College for Women Lahore.
- ✓ Organized a training workshop entitled **"Advances in molecular docking and drug designing"** on 16<sup>th</sup> Nov 2024 in collaboration with ORIC at Kinnaird College for Women Lahore.
- ✓ Participated in a training workshop **"The role of the arts and sciences in preparing women for entrepreneurship and financial security"** on 6<sup>th</sup> June.2024 organized by ORIC at Kinnaird College for Women Lahore.
- ✓ Participated in a workshop on **"Computational tools for Molecular Docking and molecular Dynamics simulation in Drug Discovery"** on 15<sup>th</sup> May 2024 at CEMB Lahore, Pakistan.
- ✓ Participated in a talk on **'Genome Editing by using CRISPR/Cas9 System'** Organized by the Department of Zoology, Kinnaird College for Women, Lahore, on 16<sup>th</sup> June 2023.
- ✓ Participated in **'Innovation in Control and Management of Arboviral Diseases in Pakistan'** organized by Kinnaird College for Women Lahore, Pakistan on 9<sup>th</sup> March 2023.
- ✓ Participated in **'Multi-Omics Big Data analysis of Boot Camp'** organized by School of Biochemistry and Biotechnology, University of the Punjab, Lahore from 7<sup>th</sup> -9<sup>th</sup> December 2022.
- ✓ Participated In hands on training workshop on **'Edible gardens and entrepreneurship'** organized by ORIC and green youth movement club.at Kinnaird College for women Lahore on 4<sup>th</sup> October 2022.
- ✓ Participated In one week training session of **'Undergraduate STEM Education In Pakistan'** by British Council and ORIC at virtual University from 14<sup>th</sup> -18<sup>th</sup> March 2022.
- ✓ Participated in Online Workshop on **'Data Analytics using SPSS'** on January 30, 2021 at Kinnaird College for Women Lahore.
- ✓ Organized and participated in one day workshop on **'Biosafety Training for Young Researchers'** on 22<sup>nd</sup> February 2020 held at Kinnaird College For Women Lahore.

- ✓ Participated in one day workshop on **'Steps to take before, during and after preparing a manuscript for submission'** on 18<sup>th</sup> September 2019 held at Kinnaird College For Women Lahore.
- ✓ Participated in one day workshop on **'D-Seeking Collaboration with non-pakistan Universities applying for Grant Funding'** on 18<sup>th</sup> September 2019 held at Kinnaird College For Women Lahore.
- ✓ Participated in one day workshop on **'Data Analytics using non parametric statistics'** on 28<sup>th</sup> August 2019 held at Kinnaird College For Women Lahore.
- ✓ Participated in one day workshop on **SPSS Training Workshop Quantitative Data Analysis Using SPSS on** 2<sup>nd</sup> Mar 2018 held at Kinnaird College For Women Lahore.
- ✓ Organized and Participated one day workshop **'Application of Statistics in Biological Research: A Training Workshop'** at Kinnaird College for Women on 3<sup>rd</sup> November 2018
- ✓ Participated in **'SPSS-Module1'** organized by QEC at Kinnaird College for women Lahore on March 17<sup>th</sup> 2017.
- ✓ Organized workshop on **'Bioinformatics and computational drug designing'** by Department of biochemistry Kinnaird College for women Lahore. 27-28 January 2017.
- ✓ Attended workshop on **"Statistical Package for Social Sciences – Module I"** organized by Quality Enhancement Cell (QEC) on 4<sup>th</sup> March 2016
- ✓ Attended workshop on **"Statistical Package for Social Sciences – Module II"** organized by Quality Enhancement Cell (QEC) on 18<sup>th</sup> May 2016
- ✓ Participated in **'Article writing Workshop'** held on April 25<sup>th</sup>, 2013, organized by Nur center for research and policy.
- ✓ Participated in workshop on **"How to develop a Research Culture in an Educational Institution of a Developing Country"** rendered by Dr. Marina Meila on September 4<sup>th</sup>-8<sup>th</sup>, 2012 held at Kinnaird College for Women Lahore.
- ✓ Participated in workshop on **"Latex Software"** rendered by Dr. Kevin J. Keen on March 22, 2012 held at Kinnaird College for Women Lahore.
- ✓ Participated in workshop on **"MATLAB Software"** rendered by Dr. Imran Akhtar on 25<sup>th</sup> February, 2012 held at Kinnaird College for Women Lahore.
- ✓ Participated in workshop on **"Latex Software"** conducted by Kinnaird College for Women, Lahore on 12<sup>th</sup> November, 2011.
- ✓ Participated in Workshop on **"Professional Competency Enhancement Program for Teachers (PCEPT)"** under Higher Education Commission held at Kinnaird College for Women, Lahore on May 23<sup>rd</sup> to June 23<sup>rd</sup> 2011.
- ✓ Participated in Workshop on **"Immunoassays"** under the Inspire Strategic Partnership program of British Council organized by the Centre of Pakistan Medical Research Council NHRC and Barts and the London UK held at Shiekh Zayed Medical Complex Lahore on 23<sup>rd</sup>-26<sup>th</sup> February 2011.
- ✓ Participated in Workshop conducted by HEC, British Council and UVAS on **"Development of Sustainable and Collaborative Research Networks Talented**

**Researcher Exchange Programme-INSPIRE Pakistan** held at Kinnaird College for Women, Lahore on 8<sup>th</sup> to 9<sup>th</sup> December 2010.

- ✓ Participated in International Workshop on **“Male Genitourinary System”** at the Department of Pathology King Edward Medical University Lahore on 11<sup>th</sup> & 12<sup>th</sup> April, 2008.
- ✓ Participated in First International Workshop on **“Renal pathology”** at the Department of Pathology King Edward Medical University Lahore on 22<sup>nd</sup> & 23<sup>rd</sup> March, 2008.

#### ▪ **SEMINARS**

- **Dr. Amna Younus** delivered a talk on “Healthy Diet: A Way To Breast Cancer Prevention” in a seminar entitled Promoting Breast Cancer awareness on 7<sup>th</sup> Feb 2025 at Jamia Sirajia Naeemia Madrasa.
- Organized a seminar on **“Preconception Care and Precision Medicine”** on 22<sup>nd</sup> November 2023 at Kinnaird College for Women.
- Organized a seminar on **Bacteriophage Therapy: An Innovative and Sustainable Approach to Combat Antimicrobial Resistance** on 8<sup>th</sup> May 2024 at Kinnaird College For Women.

#### ▪ **WEBINARS**

- ✓ Webinar ‘ON SELF ASSESSMENT REPORT (SAR) WRITING’ on 29<sup>th</sup> January 2022.

#### ▪ **GRANTS**

Application No.	Application Type	Date	Status
ID: 18740	Research Grant Application(NRPU) As principal investigator (PI)	06/10/2021	Rejected
ID:	Research Grant Application(NRPU)AS PI		
ID: 0000000252	Gates Foundation Research Grant “Reducing the Burden of Preeclampsia” As Co-PI	25/3/2025	

#### **Theses Supervised**

- ✓ BS **68** theses supervised
- ✓ BS currently allotted students .....**3**
- ✓ M.Phil **12** thesis supervised
- ✓ M.Phil **1** thesis co-supervised
- ✓ M.Phil Currently allotted students .....**2**

#### **Courses Taught to Undergraduate Classes**

- ✓ Introductory Biochemistry
- ✓ Introduction to Biochemistry
- ✓ Amino Acids and Proteins
- ✓ Carbohydrates, Lipids and Membranes
- ✓ Enzymology
- ✓ Cell Biology
- ✓ Intermediary Metabolism I (Carbohydrates and Lipids)
- ✓ Intermediary Metabolism II (Amino acids, Proteins and Nucleic acid)
- ✓ Biochemical Techniques
- ✓ Biochemical Communication
- ✓ Molecular Physiology
- ✓ Clinical Biochemistry
- ✓ Water and Food Borne Diseases

#### **Course Taught to M.phil Classes**

- ✓ Chemistry of Biomolecules

#### **Technique Expertise**

Clinical Chemistry analyzer (To evaluate biochemical parameters), Genomic DNA isolation, Agarose Gel electrophoresis, Polymerase chain reaction (PCR), Restriction fragment length polymorphism (RFLP), ARMS/Allele-specific PCR. Primer designing by using designing tools e.g Batch primer 3, SDS-PAGE, UV/Visible-Spectroscopy, Ultracentrifugation, Microbial culturing techniques, ELISA Technique.

#### **Academic and non-academic responsibilities**

- ✓ Curriculum development in alignment with the latest developments in the subjects according to HEC Policy
- ✓ Member of SAR undergraduate Program
- ✓ Former member of Zoology faculty recruitment committee
- ✓ Former member of Science block inventory committee

#### **Additional skills**

- ✓ MS Office, Internet, Software Installation