

## ***Resume***

<b>Personal Detail</b>	<p>Name                Dr. Amna Yousaf</p> <p>Designation        Assistant Professor</p> <p>Department of Chemistry</p> <p>Kinnaird College for Women, Lahore</p>
<b>Academic Qualification</b>	<p>Ph.D     Applied Chemistry     2019 University of the Punjab</p> <p>M.S     Applied Chemistry     2012 University of the Punjab</p> <p>B.S     Chemistry                2010 University of the Punjab</p>
<b>Experience</b>	<ul style="list-style-type: none"> <li>• Currently working as an Assistant Professor (KC-19) at Kinnaird College for Women, Lahore (<b>April 2019 to date</b>)</li> <li>• Lecturer (KC-18) of Chemistry at Kinnaird College for Women (<b>Aug 2015 to March 2019</b>)</li> <li>• Adhoc Lecturer at Kinnaird college for women (<b>Aug 2014 to March 2015</b>)</li> <li>• Working experience as Chemist in SGS pvt (LTD), a multinational company for analysis and documentation ( <b>Oct 2011-Aril 2012</b>)</li> </ul>
<b>Honor and Awards (Academia)</b>	<ul style="list-style-type: none"> <li>• Second Position in MS Chemistry</li> <li>• Punjab University Merit Scholarship (MS Chemistry), 2011</li> <li>• Punjab University Merit Scholarship (BS Chemistry), 2006</li> </ul>
<b>Honor and Awards (Professional)</b>	<ul style="list-style-type: none"> <li>• Participated and received an appreciation letter in 10<sup>th</sup> invention to innovation summit on winning 1<sup>st</sup> Price for project “hope for Paw” organized by ORIC University of the Punjab on 23-24 April 2025.</li> <li>• Received the appreciation letter from Prime Minister of Pakistan for being the active member of green youth moment (GYM) 2024</li> </ul>
<b>Workshops and Conferences</b>	<ul style="list-style-type: none"> <li>• Participated in a seminar on World Environment Day organized by Department of Environmental Science and Department of Botany in collaboration with SOSF on 5<sup>th</sup> June 2025</li> <li>• Organized Floral Fiesta 25 (The Aesthetics of Growth: Bonsai as a Lens on Millennial and Gen Z Experiences) as insight committee member of green youth movement on 7<sup>th</sup> May 2025 in Kinnaird College for Women, Lahore</li> <li>• Attended 1<sup>st</sup> virtual international conference for young researchers on applied chemical and biological sciences” arranged by Government College University Faisalabad (GCUF) on 25<sup>th</sup>-26<sup>th</sup> Feb 2025</li> <li>• Participated in Prime Minister Youth Program (PNY) Beyond the Youth Festival as insight committee member of green youth movement (GYM) Kinnaird College for</li> </ul>

	<p>Women on 23<sup>rd</sup> Feb 2025 in Aiwan-e-Iqbal</p> <ul style="list-style-type: none"> <li>• Attended a seminar titled “Iridium Catalyzed Aromatic C-H activation-Borylation” on 18<sup>th</sup> Feb 2025 in Kinnaird College for Women, Lahore</li> <li>• Attended 3<sup>rd</sup> International Conference on Science, Technology and Innovation on 18-20<sup>th</sup> February 2025 and organized a technical session of Department of Chemistry as moderator</li> <li>• Attended a seminar “Empowering Chemists in Pakistan with ACS Pakistan Chapter: High-impact Publishing, Science Outreach, and Entrepreneurship” on 23<sup>th</sup> Jan 2025 arranged by FCCU, Lahore.</li> <li>• Attended 4<sup>th</sup> International Conference on Chemical and Pharmaceutical Science: Innovation to Commercialization on 22-24 Jan, 2025 organized by Department of Chemistry, Forman Christian College, A chartered University, Lahore</li> <li>• Participated as management committee member in KC SciFest-25 arranged by Kinnaird Science Club on 21<sup>st</sup> Jan 2025 in Kinnaird College for Women, Lahore</li> <li>• Attended a seminar entitled “Academic Motivation, Learning and the Institutions of Higher Education” arranged by Department of Education in Collaboration with ORIC on 30<sup>th</sup> Jan 2025, in Kinnaird College for Women</li> <li>• Participated in Prime Minister Youth Program (PNY) Conference 2025 as an insight committee member of green youth movement (GYM) Kinnaird College for Women on 18<sup>th</sup> Jan 2025 in Royal Palm Golf and Country Club, Lahore.</li> <li>• Attended “Empowering Women to transition from disposable sustainable practices enhancing the health of our Planet” as oversight committee members of green youth moment (GYM) on 25<sup>th</sup> Nov 2024</li> <li>• Attended a seminar entitled “Smog: an Environmental Threat” as an organizer on 14<sup>th</sup> Nov 2024 arranged by Chemistry department in collaboration with ORIC</li> <li>• Participated in international plastic, printing and packaging exhibition in Expo centre on 5-7 Sep 2024</li> <li>• Participated as a member of organizing committee in seminar entitled “Navigating the professional committee” on 7<sup>th</sup> May 2024</li> <li>• Participated in “Climate Change Conference” at Kinnaird College for Women, Lahore, on 5<sup>th</sup> Dec 2023.</li> <li>• Participated as an organizer in hands-on-training entitled “Organizing references and citations with Mendeley software” on 22<sup>nd</sup> Nov 2023</li> <li>• Attended an online workshop entitled “Research beyond academia: strategies for real world impact” arranged by Taylor and Francis group on 10<sup>th</sup> August 2023</li> <li>• Attended an online workshop entitled “Show me the code: How to publish your</li> </ul>
--	--

	<p>research software” arranged by Taylor and Francis group on 27<sup>th</sup> July 2023</p> <ul style="list-style-type: none"> <li>• Participated in workshop on “Chemistry lab safety workshop” arranged by Department of Chemistry, FCCU in collaboration with American chemical society (ACS-Pakistan chapter), Lahore on 13<sup>th</sup> March 2023</li> <li>• Participated as an Attendee seminar entitled “Ionic liquids as designer green solvents and their widespread applications” arranged by chemistry department in collaboration with Oric on 9<sup>th</sup> March 2023.</li> <li>• Participated in one day workshop on “Patent drafting and filing procedure” arranged by IHSD on 25<sup>th</sup> Feb 2023</li> <li>• Attended online workshop on ‘How to influence policy and practice with your research” arranged by Taylor and Francis Group F1000 on 16<sup>th</sup> Feb 2023.</li> <li>• Participated as an Attendee seminar entitled “Navigating the pathway of publishing in high quality journals by using Scopus” arranged by higher education commission Pakistan on 15<sup>th</sup> November 2022.</li> <li>• Participated as an organizer in workshop entitled “Hands-on training on basics of computational chemistry” organized by Kinnaird College for Women on 12<sup>th</sup> November 2022</li> <li>• Participated as an organizer in seminar entitled “Applications and Optimization of reaction parameters for the synthesis of nanomaterials” organized by Kinnaird College for Women on 30<sup>th</sup> May 2022</li> <li>• Participated in international conference entitled international conference on ionic liquids for sustainable future held in University of the Punjab on 10<sup>th</sup> March 2022</li> <li>• Participated in Webinar Introduction to analytical and toxicological assessments arranged by Modern testing service on 18<sup>th</sup> Jan 2022</li> <li>• Participated as speaker in seminar titled water pollution and smog along with awareness walk organized by University of Education, bank road, Lahore on 2<sup>nd</sup> Dec 2021</li> <li>• Participated in ACD/Chemsketch workshop organized by Chemistry Department collaboration with Oric Kinnaird college for women on 20<sup>th</sup> Nov 2021</li> <li>• Participation in Emerging Scientist Season II organized by Asian Council of Science Editors on 20 March 2020</li> <li>• Seminar on “Molecular and Functional Nanomaterials by Kinnaird college for women Lahore on 30<sup>th</sup> Nov, 2019</li> <li>• Toxicology Screenings in the Process of New Drug Development by Kinnaird college for women Lahore on 4<sup>th</sup> April, 2019</li> <li>• Three Days Kinnaird’s 1st International Conference of Science, Technology and</li> </ul>
--	--

	Innovation by Kinnaird college for women Lahore (Moderator and participant) on 2nd-4th April, 2019
<b>Undergraduate Thesis List</b>	<ul style="list-style-type: none"> <li>• Spectrophotometric determination of formaldehyde in dyed fabric. <b>(2016)</b> assay of heavy metals in selected commercially available noodles in Lahore, Pakistan <b>(2016)</b></li> <li>• Biosorption Studies for the Removal of <math>\text{Ni}^{+2}</math> and <math>\text{Pb}^{+2}</math> from Aqueous solution by using Thiourea modified <i>Pennisetum glauccum</i> <b>(2017)</b></li> <li>• Thermodynamic and kinetic studies for the removal of <math>\text{Ni}^{2+}</math> and <math>\text{Pb}^{2+}</math> from aqueous solution by using <i>Pennisetum Glauccum</i> as Biosorbent <b>(2017)</b></li> <li>• Modifications of Dead Biomass for the removal of <math>\text{Co}^{+2}</math> and <math>\text{Cd}^{+2}</math> from Waste Water <b>(2017)</b></li> <li>• Estimation of arsenic concentration in groundwater from selected areas in Lahore <b>(2018)</b></li> <li>• Water quality index of water consumed by slum houses in selected areas of Lahore <b>(2018)</b></li> <li>• Biosorption of Nickel (II) and Cadmium (II) from aqueous solution by using Leaves and Roots of <i>Ficus benghalensis</i> <b>(2019)</b></li> <li>• Equilibrium and kinetic studies for the biosorptive removal of Ni (II), Cd (II) and Co (II) by using modified <i>Ficus benghalensis</i> <b>(2020)</b></li> <li>• Characterization and kinetic studies of leaves of <i>Ficus benghalensis</i> for the biosorption of Ni (II) and Cd (II) from aqueous solution <b>(2020)</b></li> <li>• Study of selected electrolytes disturbance in some patients with acute stroke in Lahore, Pakistan <b>(2021)</b></li> <li>• Assessment of selected heavy metals in the blood serum of few female diabetic patients in Lahore, Pakistan <b>(2021)</b></li> <li>• Determination of <math>\text{Co}^{+2}</math>, <math>\text{Cu}^{+2}</math> and <math>\text{Ni}^{+2}</math> in selected samples of milk, soft drinks, juices and water in plastic bottles from local markets of Lahore <b>(2021)</b></li> <li>• Quantitative estimation of nicotine and selected heavy metals (<math>\text{Cr}^{+2}</math>, <math>\text{Cd}^{+2}</math>, and <math>\text{Ni}^{+2}</math>) in different nicotine products available in Lahore, Pakistan <b>(2022)</b></li> <li>• Determination of selected heavy metals and formaldehyde in leather samples <b>(2022)</b></li> <li>• Quantitative estimation of nicotine and selected heavy metals (<math>\text{Cr}^{+2}</math>, <math>\text{Cd}^{+2}</math>, and <math>\text{Ni}^{+2}</math>) in different nicotine products available in Lahore <b>(2023)</b></li> <li>• Green synthesis of Cobalt nanoparticles by using leaves of <i>Cassia fistula</i> and their applications in dye degradation <b>(2024)</b></li> <li>• Synthesis of Zinc Oxide nanoparticles and their application in paint formation <b>(2024)</b></li> <li>• Synthesis and characterization of ZnO nanoparticles by using <i>Cassia fistula</i> and</li> </ul>

	<p>their applications in the removal of toxic organic dye degradation from aqueous solution (2025)</p> <ul style="list-style-type: none"> <li>• Synthesis and characterization of Fe-ZnO nanoparticles by using <i>Cassia fistula</i> and their applications in the removal of toxic organic dye degradation from aqueous solution (2025)</li> <li>• Extraction of starch from different plant sources and their application in starch spray (2025) (Co-Supervisor)</li> </ul>
<b>Social Service Activity</b>	Active citizenship project (ACP) facilitator since 2015, trained by British Council
<b>Committee Member</b>	<ul style="list-style-type: none"> <li>• Member of PM's Green Youth Movement (GYM) in Kinnaird College for Women</li> <li>• Member of Curriculum Committee, Department of Chemistry, Kinnaird College for Women</li> </ul>
<b>International Publications</b>	<ol style="list-style-type: none"> <li>1. Yousaf A, Hayat A, Fatima U, Naseem L, Usma A, Huma R, Munir R. Comparative assessment of nicotine content, toxicity, and IC50 values in nicotine products: public health implications Journal of toxicology (2025) 2025(1) 7271677. (I.F = 3)</li> <li>2. Mahmood A, Yousaf A, Khaleeq A, Saddiqa A, Mudassar.. Chemometric analysis and human health implications of trace and heavy/non-essential metals through ingestion of carbonated and non-Carbonated beverages. Biological Trace Element Research (2024) 16 May: 1-22 (IF = 4.74)</li> <li>3. Munir R, Zaib S, Khan I, Yousaf A, McAdam CJ, Yeow CH, White JM, Hökelek T, Awwad NS, Ibrahim HA, Frontera A. Cooperative assemblies featuring hydrogen bonding and CH... <math>\pi</math> interactions in 2-(methanesulfonamido) benzohydrazide derivatives: Experimental, computational and biochemical assessment. Journal of Molecular Structure. (2024) 136752. (I.F= 4.06)</li> <li>4. Yousaf A, Salman M, Saleem F, Razzaq M, Hayat A. Mobilization and scavenging of <math>\text{Ni}^{+2}</math> and <math>\text{Cd}^{+2}</math> from binary metal ions mixture to study the influence of co-cation on biosorption. Green Chemistry Letters and Reviews. 2023 Jul 2;16(1):2233988. (I.F=4.74)</li> <li>5. Rehman S, Javaid S, Tahir A, Yousaf A, Zulfiqar S, Raza MA, Javed F. Spectrophotometric determination of formaldehyde concentration from dyed fabrics from Lahore, Pakistan. Tobacco regulatory science. 2022;8(1):927-938. (I.F=2.02)</li> <li>6. Huma R, Mahmud T, Awan SJ, Ashraf M, Khan SU, Rasheed H, Hasany SM, Yousaf A. Thermal and spectroscopic studies of some metal complexes with a new enaminone ligand 3-chloro-4-((4-methoxyphenyl) amino) pent-3-en-2-one and their investigation as anti-urease and cytotoxic potential drugs. Arabian Journal of Chemistry. 2022 Mar 1;15(3):103640. (I.F=4.92)</li> <li>7. Yousaf A, Salman M, Rehman R, Farooq U. Detoxification of toxic cations Pb (II) and</li> </ol>

	<p>Cd (II) from liquid phase by employing Pennisetum glaucum biowaste: a kinetic investigation. International Journal of Phytoremediation. 2022 Jan 28;24(2):110-117. (I.F= 2.94)</p> <p>8. Yousaf A, Makshoof A, Muhammad S, Umar F, Nouman M, Zoya Z, Mahnoor S. Biosorptive removal of cobalt from aqueous solution by using native and thiourea modified Pennisetum glaucum. Desalination and Water Treatment. 2018;103:199-207. (I.F= 1.25)</p> <p>9. Yousaf A, Athar M, Salman M, Farooq U, Chawla FS. Biosorption characteristics of Pennisetum glaucum for the removal of Pb (II), Ni (II) and Cd (II) ions from aqueous medium. Green Chemistry Letters and Reviews. 2017 ;10(4):462-70. (I.F= 4.74)</p> <p>10. Salman M, Shafique U, Zaman WU, Rehman R, Yousaf A, Azhar F, Anzano JM. A rapid method for measurement of nickel and chromium at trace level in aqueous samples. Journal of the Mexican Chemical Society. 2011;55(4):214-7.</p>
<b>International Book Chapter</b>	<p>(Accepted) A book chapter entitled “Chapter 25: A Roadmap to Achieving Net-Zero Emissions, A blueprint for global sustainability”</p> <p>Um-e-Habiba, Amna Yousaf, Ijaz Ahmed, Muhammad Rehan</p> <p>Muhammad Khalid</p> <p>Publisher: Elsevier</p>
<b>International Recognition</b>	<p>Recognized as reviewer in International Journals</p> <ul style="list-style-type: none"> <li>Asian Journal of Environment and ecology</li> <li>Journal of water and health</li> <li>RSC Sustainability</li> </ul>
<b>Professional Presentations/ Activities</b>	<ul style="list-style-type: none"> <li>Appointed as an external examiner for three BS Chemistry students of School of Chemistry, University of Punjab on 2024, 2025.</li> <li>Reviewed Chemistry Practical notebook written by Dr. Rubina Munir, Kinnaird College for Women, Lahore. Copy is available in Market Aug 2024</li> <li>Participated as a panelist in a seminar titled “Celebrating Women’s empowerment &amp; entrepreneurship” arranged by political science department, Kinnaird College for Women, Lahore on 8<sup>th</sup> Mar 2024</li> <li>Participated in Photography Competition as a Judge in Kinnaird Scienceporium 2022</li> <li>Participated as speaker in seminar titled “Water pollution and Smog” along with awareness walk organized by University of Education, bank road, Lahore on 2<sup>nd</sup> Dec 2021</li> </ul>
<b>Professional Training</b>	<ul style="list-style-type: none"> <li>Completed global outreach event (7 Modules) training by American chemical</li> </ul>

	<p>society (ACS) on 24<sup>th</sup> Jan 2025</p> <ul style="list-style-type: none"> <li>• Attended Two-days workshop on advanced characterization techniques in nanotechnology on 23-24 Oct 2024 in Punjab University</li> <li>• Participated in a training session organized by OQAIE on “Outcome based education (OBE)” on 17<sup>th</sup> Aug 2024</li> <li>• Hands-on Training Workshop on ACD/Chemsketch Software by Department of Chemistry Kinnaird College for Women Lahore on 24- Nov-2018</li> <li>• Two days training on writing winning research proposal by Comsats Institute Of Information Technology, Islamabad on January 30-31,2017</li> </ul>
<b>Consultancy</b>	<ul style="list-style-type: none"> <li>• Consultancy for a Lahore based testing company “Alpha quality testing services (AQTS) regarding water and textile testing (2025)</li> </ul>