

Dr. Munir Ahmad

munir_pu@yahoo.com

+923334973275

<p>QUALIFICATION</p>	<p>PhD in Biological Sciences (2015), School of Biological Sciences, University of the Punjab, Quaid-e Azam Campus, Lahore. Master in Chemistry (2002-2004), University of the Punjab, Lahore. Bachelor in Science (Botany, Zoology, Chemistry) (2002), University of the Punjab, Lahore. F.Sc. (Pre-Medical) (1994-1996), Board of Intermediate and Secondary Education, Faisalabad Matriculation (Science Subjects) (1994), Board of Intermediate and Secondary Education, Faisalabad</p>
<p>PERSONAL INFORMATION</p>	<p>Father's Name Bashir Ahmad Domicile Faisalabad(Punjab) Date of Birth 30th July, 1978 Nationality Pakistani Phone No. +9233334973275, +923154334656 Postal Address School of Biological Sciences, University of the Punjab, Quaid-e-Azam Campus, Lahore, Pakistan. 54590. Permanent Address House No P-615, Ghulam Muhammad Abad No. 1, Faisalabad. 38900</p>
<p>RESEARCH TITLE IN M.Sc</p>	<p>Spectrophotometric determination of nicotine in different varieties of tobacco of district Mardan (NWFP)</p>
<p>RESEARCH TITLE IN PhD</p>	<p>Optimization of conditions for the folding and bioprocessing of different derivatives of human insulin</p>
<p>PUBLICATIONS</p>	<ol style="list-style-type: none"> Munir Ahmad, Qurra-tul-Ann Afza Gardner, Naeem Rashid and Muhammad Akhtar, 2017. Designing structural motifs for the preparation of acylated proinsulin and their regiospecific conversion into insulin modified at Lys (K²⁹). <i>Journal of Bioorganic Chemistry</i>, 73 (2017) 147-153. Munir Ahmad, Hina Zain, Qurra-tul-Ann Afza Gardner and Muhammad Akhtar, 2015. Hierarchy of N-acylation Sites in Human Insulin Studied by RP-HPLC and Mass Spectrometry <i>Journal of Chemical Society of Pakistan</i>, 37(6): 1260-1267. Rooma Adalat, Faiza Saleem, Aftab Bashir, Munir Ahmad, Soumble Zulifiqar, Abdul Rauf Shakoori, 2018. Multiple upstream start codons (AUG) in 5' untranslated region enhance translation efficiency of cry2Ac11 without helper protein. <i>Journal of Cellular Biochemistry</i>. DOI: 10.1002/jcb.27534 Mansoor Ahmed Charjo, Fahad Nazir Khoso, Imran Katri, Jamal U Din Hajano, Abdul Mubeen Lodhi, Sohail Otho, Imtiaz Ahmed Nizamani, Munir Ahmad, Anser Ali 2018. Chemotaxis of fruit fly species against Methyl eugenol in the presence of different food flavours in a guava orchard. <i>Journal of Pure and Applied Biology</i> Noor Ul Ain, Saba Riaz, Samyyia Abrar, Munir Ahmad, Zaeem Khan, Saleha Hafiz, Shahida Hussain, Muhammad Hayat Haider 2017. Horizontal Gene Transfer and Antibacterial Effect of <i>Allium sativum</i> (GARLIC) on Methicillin-Resistant <i>Staphylococcus aureus</i>

	<i>Anal. of PIMS.</i>
	<p>6. Najeebullah Khoso, Jan Muhammad Marri, Fahad Nazir Khoso, Bhai Khan Solangi, Agha Mushtaq Ahmed, Yasir Iftikhar, Anseer Ali, Jamal U Din Hajano, Munir Ahmad, Kirshan Chand, Taimur Ur Rehman 2017. Assessment of botanical insecticides against onion thrips, <i>Thrips tabaci</i> (L.) (Thysanoptera: Thripidae. <i>Journal of Entomology and Zoology Studies</i></p> <p>7. Sadia Aslam, Muhammad asgher, Nasir Ahmad Khan, Zinnayyer Subhani, Farina Jamil, Tanzila Sahar, Sobia Aleem, Riffat Iqbal, Naila Abdul Sattar, Nusrat Shafiq, Munir Ahmad, 2018. STATISTICAL OPTIMIZATION OF FUNGAL LACCASE PRODUCED BY SOLID STATE FERMENTATION <i>Research journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical sciences</i></p> <p>8. Alisha Khalid, Muhammad Tayyab, Abdul Rauf Shakoori, Abu Saeed Hashmi, Tahir Yaqub, Ali Raza Awan, Muhammad Wasim, Sehrish Firyal, Zaheer Hussain and Munir Ahmad, 2019. Cloning, Expression and characterization of Highly Active Recombinant Thermostable Cellulase from <i>Thermotoga naphthophila</i>. <i>Pakistan Journal of Zoology</i> 51 (3): 925-34.</p> <p>9. Asmat Ullah, Abad Khan, Zafar Iqbal, Ismail Khan, Lateef Ahmad, Waqar Ahmad Kaleem, Mirina Shaki, Saqib Jahan, Munir Ahmad, 2019. Effect of Chronic Hashish consumption on liver function and coagulation profile in hashish users. <i>J Postgrad Med Inst</i>; 33 (2): 117-21.</p> <p>10. Asmat Ullah, Abad Khan, Zafar Iqbal, Ismail Khan, Lateef Ahmad, Waqar Ahmad Kaleem, Mukhtar Alam, Naveed Ullah, and Munir Ahmad, 2019. A clinical case control study to evaluate oxidative stress in heroin addicts. <i>Journal of Heroin addiction & Related Clinical Problems</i> 21 (x): xx-xx.</p>
TECHNIQUES USED	<ul style="list-style-type: none"> ❖ HPLC, FPLC ❖ UV/Visible-Spectroscopy ❖ SDS-PAGE ❖ Enzymes (Extraction, Isolation and Purification) from various tissues and their purifications by different purification techniques ❖ Enzymes Kinetics ❖ RNA, Plasmid and Genomic DNA Isolation ❖ PCR, Cloning and Expression of genes encoding therapeutic proteins ❖ Refolding of proteins ❖ Modifications of proteins for enhancement of shelf life ❖ Purification of Proteins by different Chromatographic Techniques including Ion Exchange and Size Exclusion Chromatography
EXPERIENCE	<ul style="list-style-type: none"> ❖ Senior Experimental Officer (BS-18) in School of Biological Sciences, University of the Punjab, Lahore from 13-05-2016 to date ❖ Experimental officer (BS-17) in School of Biological Sciences, University of the Punjab, Lahore from 03-12-2013 to 12-05-2016
COURSES TAUGHT	<p>Enzymology (MS and PhD) Extraction, Isolation and purification of various enzymes (Carboxypeptidase B, Malate Dehydrogenase etc.) from various tissues (Pancreases, Liver, Heart) and their purification by using different techniques of chromatography</p> <p>Enzyme Kinetics (MS and PhD) Different kinetic experiments with various amino acids and enzymes using</p>

	Spectrophotometer for the calculation of V_{max} , K_m and K_{cat} .
M.Phil STUDENTS Co-SUPERVISED	<ol style="list-style-type: none"> 1. Quratulain Amjad: Impact of loop residues of the receptor-binding domain of <i>Bacillus thuringiensis</i> Cry2Ac11 toxin on insecticidal activity (MS Biotechnology, 2014). Lahore College for Women University, Lahore. 2. Zainab Khalid: comparative analysis of Cry2Ac and Cry2Ad type insecticidal proteins of <i>Bacillus thuringiensis</i> (MS Biotechnology, 2014). Lahore College for Women University, Lahore. 3. Kashaf Jamil. Expression analysis of human proinsulin gene in <i>Bacillus subtilis</i> KO7 strain. (MS Biotechnology, 2017). Lahore College for Women University, Lahore. 4. Sana Saleem Dar. Implication of additional ATG in the 5'UTR on expression level of <i>cry3A</i> gene in acrySTALLIFEROUS <i>Bacillus thuringiensis</i> strain 4Q7 (MS Biotechnology, 2017). Lahore College for Women University, Lahore.
PhD STUDENTS Co-SUPERVISED	Uzma Nisar. Bacillus subtilis cell factory for heterologous expression of human therapeutic peptides (PhD Biotechnology session fall 2016). Lahore College for Women University, Lahore. (Continue)
SCHOLARSHIPS	HEC indigenous PhD scholarship for M.Phil leading to PhD in 2006
EXTRA QUALIFICATION	Spoken English course , Department of English, University of the Punjab Quaid-e-Azam Campus, Lahore.
REFERENCES	<ol style="list-style-type: none"> 01. PROFESSOR M. AKHTAR FRS Ex: Director General, School of Biological Sciences, University of the Punjab, Quaid-e Azam Campus, Lahore. 02. PROFESSOR NAEEM RASHID Acting Director General, School of Biological Sciences, University of the Punjab, Quaid-e Azam Campus, Lahore.