



Faculty Resume

Name:	Dr. Imran Ali																				
Personal:	Father's Name: Ali Ahmed CNIC No. 38403-2165983-5 Cell No. +92 (346) 4048255 E-mail: aliiimran@must.edu.pk Address: Department of Biotechnology, Mirpur University of Science and Technology (MUST), Mirpur-10250 (AJK), Pakistan																				
Qualification	Ph.D. in Biotechnology Specialization: Industrial Biotechnology																				
Experience	<p>17/05/2012- Present Assistant Professor (BPS-19) Department of Biotechnology Mirpur University of Science and Technology (MUST) Mirpur, 10250 (AJK), Pakistan</p> <p>23/02/2011- 16/05/2012 Lecturer (BPS-18) Department of Biotechnology Mirpur University of Science and Technology (MUST) Mirpur, 10250 (AJK), Pakistan</p> <p>01/03/2008-22/02/2011 Research Officer (BPS-17) School of Biological Sciences University of the Punjab, Lahore, Pakistan</p> <p>01/01/2006 – 31/12/2007 Research Officer (BPS-17) National Centre of Excellence in Molecular Biology University of the Punjab, Lahore, Pakistan</p>																				
Honors and Awards	N/A																				
Memberships	N/A																				
Graduate Students	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Name of Student</th> <th style="width: 25%;">Degree</th> <th style="width: 25%;">Year</th> </tr> </thead> <tbody> <tr> <td>Ayesha Islam</td> <td></td> <td>2018</td> </tr> <tr> <td>Faiza Khalique</td> <td></td> <td>2018</td> </tr> <tr> <td>Shastah Sultan</td> <td></td> <td>2017</td> </tr> <tr> <td>Irsa Liaquat</td> <td></td> <td>2017</td> </tr> <tr> <td>Madiha Zafar</td> <td>M.Phil</td> <td>2015</td> </tr> </tbody> </table>			Name of Student	Degree	Year	Ayesha Islam		2018	Faiza Khalique		2018	Shastah Sultan		2017	Irsa Liaquat		2017	Madiha Zafar	M.Phil	2015
Name of Student	Degree	Year																			
Ayesha Islam		2018																			
Faiza Khalique		2018																			
Shastah Sultan		2017																			
Irsa Liaquat		2017																			
Madiha Zafar	M.Phil	2015																			

	Kazima Ishaq	M.Phil	2015
	Uqba Niaz	M.Phil	2015
	Haseena Rashid	M.Phil	2014
	Faiza Bashir	M.Phil	2014
	Aimen Saeed	M.Phil	2013
	Waqar Haider	M.Phil	2013
Service Activity	Teaching, Supervision and establishment of Biotechnology research laboratory		
Research Interests	<ol style="list-style-type: none"> 1. Expression and engineering of industrial enzymes for enhanced characteristics 2. Culturing and identification of industrially important microbes 		
Publications	<p>International:</p> <ol style="list-style-type: none"> 1. Ali, I., Asghar, Rehana., Ahmed, S., Akhtar, M.W., 2018. Engineering of Endoglucanase (Cel6A) of <i>Thermobifida fusca</i> for application in bioethanol production. (Submitted). 2. Latif Z, Chakchouk I, Schrauwen I, Lee K, SantosCortez RLP, Abbe I, Acharaya A, Jarral A, Ali I, Ullah I, Khan MN, Ali G, Tahir TH, Bamshad MJ, Nickerson DA, Ahmed W, Ansar M, Leal SM. Confirmation of the role of <i>DHX38</i> in the etiology of early-onset retinitis pigmentosa. Invest Ophthalmol Vis Sci. 59(11) : 4552-4557. Impact factor: 3.303 3. Ahmed R, Tariq M, Ali I, Asghar R, Noorunnisa Khanam P, Auqustine R, Hasan A., 2018. Novel electrospun chitosan/polyvinyl alcohol/zinc oxide nanofibrous mats with antibacterial and antioxidant properties for diabetic wound healing. Int. J. Bio. Macromol. 12(120):385-393. Impact factor: 3.909 4. Haroon M, Akhtar T, Tahir MN, Ali I, Hameed S., 2017. Synthesis, Crystal Structure and Biological Evaluation of 5-Arylidine derivatives of 3-Phenyl-2-(phenylimino)thiazolidin-4-one. J.Chem.Soc.Pak. 39 (4): 614-618. Impact factor: 0.327 5. Ali I, Asghar R, Ahmed S, Sajjad M, Tariq M, Akhtar MW., 2015. mRNA secondary structure engineering of <i>Thermobifida fusca</i> endoglucanase (Cel6A) for enhanced expression in <i>Escherichia coli</i> . <i>World J Microbiol Biotechnol.</i> 31(3):499-506. Impact factor: 1.779 6. Khan, M.I.M., Sajjad, M., Ali, I., Ahmed, S., Akhtar, M.W., 2010. Influence of transposition and insertion of additional binding domain on expression and characteristics of xylanase C of <i>Clostridium thermocellum</i>. J. of Biotechnology. 150, 1-5 . Impact factor: 2.970 7. Sajjad, M., Khan, M.I.M., Akbar, N.S., Ahmed, S., Ali, I., Akhtar, M.W., 2010. Enhanced expression and activity yields of <i>Clostridium thermocellum</i> xylanases 		

without non-catalytic domains. J. of Biotechnology. 145, 38-42. **Impact factor: 2.970**

8. Rehman, M., **Ali, I.**, Husnain, T., and Riazuddin, S. 2008. RNA interference: The story of gene silencing in plants and humans. (Review) Biotechnology Advances. 26 (3): 202-209. **Impact factor: 5.236**

9. Khan, Barozai M.Y., Irfan, M., Yousaf, R. **Ali, I.**, Qaiser, U., Maqbool, A., Zahoor, B., Husnain, T., and Riazuddin, S. 2008. Identification of microRNAs in cotton. Plant Physiol Biochem. 46 (8-9): 739-51. **Impact factor: 1.905**

HEC recognized non-impact factor Journals:

10. **Ali, I.**, Ahmed, W., Tariq, M., Asghar, R., Hussain, M. A., 2016. Therapeutic Potential of Ethanolic Extract of *Solanum nigrum* for Lipofundin-induced Hyperlipidemia in rabbits. Pure Appl. Biol., 5(1): 85-90

11. **Ali, I.**, Abbassi, A. A., Niaz, U., Asghar, R., Ishaq, K., Aziz, T., Hussain, M. A. 2016. Molecular Analysis of Families Afflicted with Autosomal Recessive Occulocutanious Albinism From Azad Jammu And Kashmir. Pure Appl. Biol., 5(1): 107-113

12. Hussain, M. A., Khan, M. Q., **Ali, I.**, Dar, M. E. U. I., Habib, T. 2015. Antifungal potential of different parts of *Olea europaea* and *Olea cuspidata* growing in Azad Jammu and Kashmir. Pure Appl. Biol., 4(2): 204-216

13. Ahmad, Z., Afreen, A., Mehmood, M., **Ali, I.**, Asghar, R., Aziz, M. 2015. One-step synthesis of Ag nano-assemblies and study of their antimicrobial activities. J Nanostruc Chem. 5: 325-331.

14. Akram, N., Hussain, M. A., **Ali, I.** 2015. Biochemical and Morpho-Genetic Characterization of Wild and Cultivated Pomegranate (*Punica granatum L.*). Pure Appl. Biol., 4(4): 636-649

Research Grants and Contracts	Title and Place of Research	Donor Agency	Amount (Rs/\$)	Duration	
	Co-PI			From	To

	<p>“Effect of Non-catalytic Domain on Characteristics of Endoglucanase (Cel9A) from Locally Isolated <i>Bacillus licheniformis</i>.”</p>	PSF	Rs. 2.0 Million	Mar 2017	Mar. 2018
<p>Selected Professional Presentations</p>	<ul style="list-style-type: none"> • Oral presentation in “38th Pakistan Congress of Zoology (International)” University of the Punjab, Lahore. February 27-March 1, 2018. • Oral presentation in Awareness Workshop on Minamata Initial Assessment. AJK Environmental Protection Agency, Muzafarabad. 31st January 2017. • Oral presentation in 1st International Seminar on “Environment and Science”, Mirpur University of Science & Technology (MUST), Mirpur, AJK, Pakistan. April 1, 2014. • Oral presentations in “5th international conference on Agriculture, food security and climate change” The University of Poonch, Rawalakot, Azad Kashmir. September 18-20, 2014. • Oral presentations in “International Conference on Himalyan Biodiversity and Climate change”, University of Azad Jammu & Kashmir, Muzafarabad, Azad Kshmir. February 9-11, 2014. • Oral presentations in International seminar entitled “Adaptation Options in Agriculture to Climate Change”, Mirpur University of Science and Technology (MUST), Mirpur-10250, AJK, Pakistan. May 2-3, 2014. • Oral presentations in “1st International Conference on Applied Chemical, Biological and Agricultural Sciences”, Gov’t College University, Faisalabad. February 18-20, 2014. • Oral presentations in International Conference On Advances in Agriculture: Prospects And Potentials Of Natural Resources In Food Security, University of Azad Jammu & Kashmir Faculty of Agriculture, Rawalakot Azad Kashmir. July 13-15, 2011. • Poster presented in 11th Biennial Conference of PSBMB held at School of biological Sciences, University of the Punjab, Lahore. Dec. 25-28, 2014. • Poster presented in 10th Biennial Conference held at Karachi institute of Biotechnology and Genetic Engineering (KIBGE), Karachi University. 				

	<p>December 1-4, 2010.</p> <ul style="list-style-type: none"> • Poster presented in 9th Biennial Conference held at Department of Biochemistry PMAS Arid Agriculture University Rawalpindi. December 17-20, 2008.
<p>Workshops and Trainings</p>	<ul style="list-style-type: none"> • Participated in Training workshop on “ASM Grant Writing Institute” 30 Sep-04 Oct. 2018 at Abu Dhabi, United Arab Emirates. • Participated in Training workshop on “National Summer School on CRISPR-Cas9 Genome Editing” July 19-22, 2018 at Codon Corps community lab, Rawalpindi, Pakistan. • Participated in International Seminar and Training Workshop on “CRISPR/ Cas based Genome Editing” September 19-20, 2017 at Chair Biotechnology, U.S.-PCAS-AFS, UAF. • Participated in 2 days National Workshop on “HPLC Hands on Training for Biomolecule Analysis” April 19-20, 2017 at University of Gujrat. • Participated in the 41st International Nathiagali Summer College on Physics and Contemporary Needs, Quaid-e-Azam University Islamabad, Pakistan. 18-30 July 2016. • Participated in the “International Workshop on X-ray Crystallography in Structural Biology” November 12-14, 2015 at NIBGE, Faisalabad. • Participated in the “NASIC Workshop on Modern Spectroscopic Techniques and Their Applications in Structure Determination”, International Centre for Chemical and Biological Sciences, University of Karachi Pakistan. Dec. 1-3, 2014. • Participated in the “International Workshop on Modern Techniques in Structural Biology”, International Centre for Chemical and Biological Sciences, University of Karachi Pakistan. Dec. 13-14, 2013. • Participated in the 11th National Training Course on “Modern Techniques in Biotechnology” February 11-15, 2013 at NIBGE, Faisalabad. • Participated in international workshop on “Advancement in Genetic Engineering of Plants” December 20-22, 2011. COMSTECH, Islamabad. • Participated in “11th National Training Course On Modern Techniques in

	<p>Biotechnology” Febuary 11-15, 2013.</p> <ul style="list-style-type: none">• Participated in international workshop on “Advancement in Genetic Engineering of Plants” December 20-22, 2011. COMSTECH, Islamabad.
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